









SITE Woodford Phase 1 SI		CLIENT Avro Heritage Ltd			
PROJECT NUMBER A1065-00	CO-ORDINATES E - 389839.02 N - 381777.06	GROUND ELEVATION (mAOD) 88.110	HOLE DEPTH (m) 3.50	Sheet 1 of 1	TRIAL PIT TP52
PLANT	DIMENSIONS -	DATE 18/01/2012	LOGGED BY	CHECKED BY	SCALE 1:50


SAMPLES & TESTS				STRATA				LEGEND	WATER
TOP (mbgl)	BASE (mbgl)	TYPE	TEST RESULTS	LEVEL (mAOD)	BASE (THICKNESS) (mbgl (m))	DEPTH (mbgl)	DESCRIPTION		
0.10		D		(0.30)		0.30	MADE GROUND: Dark brown sandy clay with rare fine to coarse subangular to subrounded gravel and cobbles of mixed lithology including clinker and blaes.		
0.50		HV	1 - 56kPa						
0.50		HV	2 - 62kPa						
0.50		HV	3 - 64kPa						
0.50		D		(1.00)			Firm light grey CLAY with abundant pockets of orange brown sandy clay and some fine to coarse gravel and cobbles of mixed lithology.		
1.00		HV	1 - 70kPa	87		1			
1.00		HV	2 - 60kPa						
1.00		HV	3 - 58kPa			1.30			
1.00		D					Firm to stiff reddish brown CLAY with some pockets of orange brown and grey clay. Becoming sandy with some fine to coarse sub angular to sub rounded gravel and cobbles of mudstone from 2.1m.		
1.40		HV	1 - 56kPa						
1.40		HV	2 - 40kPa						
1.40		HV	3 - 82kPa						
1.40		D		86		2			
				(2.20)					
2.90		D		85		3			
						3.50	End of Trial Pit at 3.50 m		
				84		4			
				83		5			
				82		6			
				81		7			
				80		8			
				79		9			





GROUNDWATER DEPTH (m)      BEHAVIOUR	REMARKS Trial pit remained stable. No groundwater encountered. Trial pit backfilled with arisings.  Material logged in general accordance with BS 5930 (as amended) & BS EN ISO 14688	KEY B - Bulk disturbed sample      HV - In Situ Hand Vane Test D - Disturbed samples (plastic tub)      M - In Situ Mexecon CBR Test G - Disturbed sample (glass jar)      P - In Situ CBR Plate Test ES - Disturbed sample (tub and jar)      PID - Photo Ionisation Detector W - Water sample
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SITE Woodford Phase 1 SI		CLIENT Avro Heritage Ltd			
PROJECT NUMBER A1065-00	CO-ORDINATES E - 390039.32 N - 381777.22	GROUND ELEVATION (mAOD) 82.824	HOLE DEPTH (m) 3.00	Sheet 1 of 1	TRIAL PIT TP54
PLANT	DIMENSIONS -	DATE 19/01/2012	LOGGED BY	CHECKED BY	SCALE 1:50


SAMPLES & TESTS				STRATA				LEGEND	WATER
TOP (mbgl)	BASE (mbgl)	TYPE	TEST RESULTS	LEVEL (mAOD)	BASE (THICKNESS) (mbgl (m))	DEPTH (mbgl)	DESCRIPTION		
0.10		D		(0.30)		0.30	MADE GROUND: Brown sandy clay with occasional pockets of orange brown sandy clay, grey sand and subangular to subrounded gravel and cobbles of mixed lithology.		
0.50		HV	1 - 58kPa				Firm grey CLAY with abundant pockets of orange brown sandy clay and occasional plant remains. Becomes sandy from 1.0m. Lenses of medium grey sand from 1.4m.		
0.50		HV	2 - 68kPa						
0.50		HV	3 - 60kPa						
0.50		D							
1.00		HV	1 - 32kPa	82	(1.60)	1			
1.00		HV	2 - 52kPa						
1.00		HV	3 - 44kPa						
1.00		D							
2.10		D		81		1.90	Grey gravelly SAND with some plant remains.		
				(1.10)					
				80		3.00	End of Trial Pit at 3.00 m		
				79		4			
				78		5			
				77		6			
				76		7			
				75		8			
				74		9			


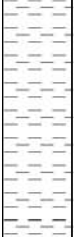

GROUNDWATER DEPTH (m)      BEHAVIOUR	REMARKS Trial pit remained stable. No groundwater encountered. Trial pit backfilled with arisings.  Material logged in general accordance with BS 5930 (as amended) & BS EN ISO 14688	KEY B - Bulk disturbed sample      HV - In Situ Hand Vane Test D - Disturbed samples (plastic tub)      M - In Situ Mexecon CBR Test G - Disturbed sample (glass jar)      P - In Situ CBR Plate Test ES - Disturbed sample (tub and jar)      PID - Photo Ionisation Detector W - Water sample
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SITE Woodford Phase 1 SI		CLIENT Avro Heritage Ltd			
PROJECT NUMBER A1065-00	CO-ORDINATES E - 389788.01 N - 381690.99	GROUND ELEVATION (mAOD) 85.440	HOLE DEPTH (m) 3.30	Sheet 1 of 1	TRIAL PIT TP56
PLANT	DIMENSIONS -	DATE 17/01/2012	LOGGED BY	CHECKED BY	SCALE 1:50


SAMPLES & TESTS				STRATA				LEGEND	WATER
TOP (mbgl)	BASE (mbgl)	TYPE	TEST RESULTS	LEVEL (mAOD)	BASE (THICKNESS) (mbgl (m))	DEPTH (mbgl)	DESCRIPTION		
0.10		D					MADE GROUND: Dark brown sandy clay with some fine to coarse subangular to subrounded gravel and cobbles of mixed lithology including rare clinker.		
0.40		D		(0.60)		0.60			
0.80		HV	1 - 80kPa				Firm to stiff orange brown CLAY with abundant pockets of pale grey clay and rare subangular to subrounded gravel and cobbles of mixed lithology.		
0.80		HV	2 - 64kPa	84	(0.60)	1			
0.80		HV	3 - 66kPa						
0.80		D				1.20	Firm grey sandy SILT with abundant pockets of orange brown sand.		
0.80		B							
0.80		D							
1.30		D		(1.10)		2			
				83					
2.50		HV	1 - 20kPa			2.30	Soft brown sandy CLAY with some subangular to subrounded gravel and cobbles of mudstone. Lenses of medium brown sand from 3.1m.		
2.50		HV	2 - 32kPa						
2.50		HV	3 - 18kPa	(1.00)		3			
2.50		D		82					
3.30		D				3.30	End of Trial Pit at 3.30 m		
				81		4			
				80		5			
				79		6			
				78		7			
				77		8			
				76		9			








GROUNDWATER DEPTH (m)      BEHAVIOUR	REMARKS Trial pit remained stable. No groundwater encountered. Trial pit backfilled with arisings.  Material logged in general accordance with BS 5930 (as amended) & BS EN ISO 14688	KEY B - Bulk disturbed sample      HV - In Situ Hand Vane Test D - Disturbed samples (plastic tub)      M - In Situ Mexecon CBR Test G - Disturbed sample (glass jar)      P - In Situ CBR Plate Test ES - Disturbed sample (tub and jar)      PID - Photo Ionisation Detector W - Water sample
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SITE Woodford Phase 1 SI		CLIENT Avro Heritage Ltd			
PROJECT NUMBER A1065-00	CO-ORDINATES E - 390004.83 N - 381693.05	GROUND ELEVATION (mAOD) 82.801	HOLE DEPTH (m) 2.90	Sheet 1 of 1	TRIAL PIT TP57
PLANT	DIMENSIONS -	DATE 19/01/2012	LOGGED BY	CHECKED BY	SCALE 1:50


SAMPLES & TESTS				STRATA				LEGEND	WATER
TOP (mbgl)	BASE (mbgl)	TYPE	TEST RESULTS	LEVEL (mAOD)	BASE (THICKNESS) (mbgl (m))	DEPTH (mbgl)	DESCRIPTION		
0.10		D		(0.30)	0.30		Firm brown sandy CLAY with some pockets of orange brown sandy clay and rare fine to coarse sub angular to sub rounded gravel and cobbles of mixed lithology.		
0.60		HV	1 - 58kPa				Firm grey CLAY with abundant pockets of orange brown sandy clay. Orange brown pockets absent from 1.2m, some plant remains from 1.2m. Lenses of medium light brown sand from 1.8m.		
0.60		HV	2 - 46kPa						
0.60		HV	3 - 52kPa						
0.60		D		82	1				
1.00		HV	1 - 36kPa	(1.80)					
1.00		HV	2 - 38kPa						
1.00		HV	3 - 30kPa						
1.00		D							
1.90		D		81	2.10	2	Light brown / grey SAND with occasional plant remains.		
2.50		D		(0.80)					
				80	2.90	3	End of Trial Pit at 2.90 m		
				79		4			
				78		5			
				77		6			
				76		7			
				75		8			
				74		9			







GROUNDWATER DEPTH (m)      BEHAVIOUR	REMARKS Trial pit remained stable. No groundwater encountered. Trial pit backfilled with arisings.  Material logged in general accordance with BS 5930 (as amended) & BS EN ISO 14688	KEY B - Bulk disturbed sample      HV - In Situ Hand Vane Test D - Disturbed samples (plastic tub)      M - In Situ Mexecon CBR Test G - Disturbed sample (glass jar)      P - In Situ CBR Plate Test ES - Disturbed sample (tub and jar)      PID - Photo Ionisation Detector W - Water sample
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SITE Woodford Phase 1 SI		CLIENT Avro Heritage Ltd			
PROJECT NUMBER A1065-00	CO-ORDINATES E - 389736.16 N - 381598.47	GROUND ELEVATION (mAOD) 86.196	HOLE DEPTH (m) 3.90	Sheet 1 of 1	TRIAL PIT TP58
PLANT	DIMENSIONS -	DATE 19/01/2012	LOGGED BY	CHECKED BY	SCALE 1:50


SAMPLES & TESTS				STRATA				LEGEND	WATER
TOP (mbgl)	BASE (mbgl)	TYPE	TEST RESULTS	LEVEL (mAOD)	BASE THICKNESS (mbgl)	DEPTH (mbgl)	DESCRIPTION		
0.60		D		(0.15)	0.15		MADE GROUND: Bitumious surfacing and concrete		
				(0.15)	0.30		MADE GROUND: Concrete subbase		
				(0.15)	0.45		MADE GROUND: Concrete subbase		
				(0.40)			Firm orange brown SILT/CLAY. Soil too friable for reliable hand vane.		
1.00		D		85		1	Orange medium SAND		
				(1.15)					
2.20		HV	1 - 80kPa	84	2.00	2	Firm orange SILT / CLAY		
2.20		HV	2 - 55kPa						
2.20		HV	3 - 48kPa	(1.00)					
2.20		D							
				83	3.00	3	Soft orange SILT		
3.40		D		(0.90)					
				82	3.90	4	End of Trial Pit at 3.90 m		
				81		5			
				80		6			
				79		7			
				78		8			
				77		9			


GROUNDWATER DEPTH (m)      BEHAVIOUR	REMARKS Trial pit remained stable. No groundwater encountered. Trial pit backfilled with arisings.  Material logged in general accordance with BS 5930 (as amended) & BS EN ISO 14688	KEY B - Bulk disturbed sample      HV - In Situ Hand Vane Test D - Disturbed samples (plastic tub)      M - In Situ Mexecon CBR Test G - Disturbed sample (glass jar)      P - In Situ CBR Plate Test ES - Disturbed sample (tub and jar)      PID - Photo Ionisation Detector W - Water sample
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SITE Woodford Phase 1 SI		CLIENT Avro Heritage Ltd			
PROJECT NUMBER A1065-00	CO-ORDINATES E - 389835.61 N - 381611.87	GROUND ELEVATION (mAOD) 84.347	HOLE DEPTH (m) 2.70	Sheet 1 of 1	TRIAL PIT TP59
PLANT	DIMENSIONS -	DATE 17/01/2012	LOGGED BY	CHECKED BY	SCALE 1:50

SAMPLES & TESTS				STRATA				LEGEND	WATER
TOP (mbgl)	BASE (mbgl)	TYPE	TEST RESULTS	LEVEL (mAOD)	BASE (THICKNESS) (mbgl (m))	DEPTH (mbgl)	DESCRIPTION		
0.10		D		(0.40)			MADE GROUND: Dark brown very sandy gravelly clay with some cobbles of mixed lithology including brick, clinker and concrete. Gravel is subangular to subrounded of mixed lithology including brick, clinker and concrete. Metal pipe section.		
0.30		D			0.40				
0.60		HV	1 - 64kPa						
0.60		HV	2 - 62kPa	(0.70)			MADE GROUND: Light brown reworked clay with abundant pockets of pale grey and orange brown clay. Abundant whole bricks between 0.6 and 1.0m at southwestern end of trial pit.		
0.60		HV	3 - 58kPa						
0.60		D		83		1			
1.00		HV	1 - 44kPa		1.10				
1.00		HV	2 - 34kPa	(0.30)					
1.00		HV	3 - 38kPa		1.40		Firm grey sandy SILT. Clay land drain encountered at 1.3m.		
1.30		HV	1 - 62kPa						
1.30		HV	2 - 48kPa	(0.60)			Medium brown clayey SAND.		
1.30		HV	3 - 50kPa						
1.30		D							
1.80		D		82		2	Medium brown SAND. Lenses of stiff brown clay from 2.2m.		
2.30		D		(0.50)					
2.70		D		(0.20)			Firm to stiff fractured reddish brown CLAY with some fine to coarse subangular to subrounded gravel and cobbles of mudstone.		
				81		3	End of Trial Pit at 2.70 m		
				80		4			
				79		5			
				78		6			
				77		7			
				76		8			
				75		9			

GROUNDWATER DEPTH (m)      BEHAVIOUR	REMARKS Trial pit remained stable. No groundwater encountered. Trial pit backfilled with arisings.  Material logged in general accordance with BS 5930 (as amended) & BS EN ISO 14688	KEY B - Bulk disturbed sample      HV - In Situ Hand Vane Test D - Disturbed samples (plastic tub)      M - In Situ Mexecon CBR Test G - Disturbed sample (glass jar)      P - In Situ CBR Plate Test ES - Disturbed sample (tub and jar)      PID - Photo Ionisation Detector W - Water sample
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SITE Woodford Phase 1 SI		CLIENT Avro Heritage Ltd			
PROJECT NUMBER A1065-00	CO-ORDINATES E - 389933.74 N - 381607.29	GROUND ELEVATION (mAOD) 83.778	HOLE DEPTH (m) 1.00	Sheet 1 of 1	TRIAL PIT TP60
PLANT	DIMENSIONS -	DATE 26/01/2012	LOGGED BY	CHECKED BY	SCALE 1:50

SAMPLES & TESTS				STRATA				LEGEND	WATER
TOP (mbgl)	BASE (mbgl)	TYPE	TEST RESULTS	LEVEL (mAOD)	BASE (THICKNESS) (mbgl (m))	DEPTH (mbgl)	DESCRIPTION		
0.30		D		(0.15)	0.15		MADE GROUND: Concrete		
0.60		D		(0.35)	0.50		MADE GROUND: Light brown sandy subrounded to subangular medium to coarse sandstone gravel.		
1.00		D		(0.30)	0.80		MADE GROUND: Grey sandy cobbly subangular medium to coarse gravel.		
				(0.20)	1.00	1	MADE GROUND: Dark grey sandy silt with an organic odour.		
End of Trial Pit at 1.00 m									
				83					
				82		2			
				81		3			
				80		4			
				79		5			
				78		6			
				77		7			
				76		8			
				75		9			


GROUNDWATER DEPTH (m)      BEHAVIOUR	REMARKS HC odour from 0.5m. Water ingress at 0.5m making it impossible to see base, pit terminated at 1m. Trial pit remained stable. Trial pit backfilled with arisings.  Material logged in general accordance with BS 5930 (as amended) & BS EN ISO 14688	KEY B - Bulk disturbed sample      HV - In Situ Hand Vane Test D - Disturbed samples (plastic tub)      M - In Situ Mexecon CBR Test G - Disturbed sample (glass jar)      P - In Situ CBR Plate Test ES - Disturbed sample (tub and jar)      PID - Photo Ionisation Detector W - Water sample
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SITE Woodford Phase 1 SI		CLIENT Avro Heritage Ltd			
PROJECT NUMBER A1065-00	CO-ORDINATES E - 389699.27 N - 381517.53	GROUND ELEVATION (mAOD) 85.435	HOLE DEPTH (m) 3.60	Sheet 1 of 1	TRIAL PIT TP61
PLANT	DIMENSIONS -	DATE 19/01/2012	LOGGED BY	CHECKED BY	SCALE 1:50

SAMPLES & TESTS				STRATA				
TOP (mbgl)	BASE (mbgl)	TYPE	TEST RESULTS	LEVEL (mAOD)	DEPTH (mbgl)	DESCRIPTION	LEGEND	WATER
				(0.15)	0.15	MADE GROUND: Bituminous surfacing		
				(0.15)	0.30	MADE GROUND: Concrete		
				(0.15)	0.45	MADE GROUND: Concrete subbase		
0.80		B				Orange medium SAND.		
0.80		D		84 (1.35)	1			
1.90		D			1.80	Soft to firm orange brown sandy SILT with pockets of medium slightly silty sand.		
				83 (0.90)	2			
3.30		D			2.70	Orange medium SAND		
				82 (0.90)	3			
					3.60	End of Trial Pit at 3.60 m		
				81	4			
					5			
				80	5			
					6			
				79	6			
					7			
				78	7			
					8			
				77	8			
					9			
				76	9			


GROUNDWATER DEPTH (m)      BEHAVIOUR	REMARKS Trial pit remained stable. No groundwater encountered. Trial pit backfilled with arisings.  Material logged in general accordance with BS 5930 (as amended) & BS EN ISO 14688	KEY B - Bulk disturbed sample      HV - In Situ Hand Vane Test D - Disturbed samples (plastic tub)      M - In Situ Mexecon CBR Test G - Disturbed sample (glass jar)      P - In Situ CBR Plate Test ES - Disturbed sample (tub and jar)      PID - Photo Ionisation Detector W - Water sample
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SITE Woodford Phase 1 SI		CLIENT Avro Heritage Ltd			
PROJECT NUMBER A1065-00	CO-ORDINATES E - 389786.55 N - 381543.91	GROUND ELEVATION (mAOD) 83.309	HOLE DEPTH (m) 3.70	Sheet 1 of 1	TRIAL PIT TP62
PLANT	DIMENSIONS -	DATE 19/01/2012	LOGGED BY	CHECKED BY	SCALE 1:50


SAMPLES & TESTS				STRATA				LEGEND	WATER
TOP (mbgl)	BASE (mbgl)	TYPE	TEST RESULTS	LEVEL (mAOD)	BASE (THICKNESS) (mbgl)	DEPTH (mbgl)	DESCRIPTION		
				(0.15)	0.15		MADE GROUND: Bitumen surfacing		
				(0.15)	0.30		MADE GROUND: Concrete		
				(0.15)	0.45		MADE GROUND: Concrete subbase		
0.60		HV	1 - 90kPa						
0.60		HV	2 - 110kPa	(0.55)			Firm orange brown mottled grey SILT / CLAY.		
0.60		HV	3 - 90kPa						
0.60		D		82	1.00	1	Soft orange brown mottled grey fine sandy SILT		
1.20		D							
				(1.20)					
				81	2.20	2	Soft orange brown SILT/CLAY. Becomes firmer with depth.		
2.40		HV	1 - 35kPa						
2.40		HV	2 - 54kPa						
2.40		HV	3 - 55kPa						
2.40		D		80	(1.50)	3			
3.70		HV	1 - 70kPa						
3.70		HV	2 - 50kPa						
3.70		HV	3 - 70kPa						
3.70		D		79	3.70	4	End of Trial Pit at 3.70 m		
				78		5			
				77		6			
				76		7			
				75		8			
				74		9			






GROUNDWATER DEPTH (m)      BEHAVIOUR	REMARKS Trial pit remained stable. No groundwater encountered. Trial pit backfilled with arisings.  Material logged in general accordance with BS 5930 (as amended) & BS EN ISO 14688	KEY B - Bulk disturbed sample      HV - In Situ Hand Vane Test D - Disturbed samples (plastic tub)      M - In Situ Mexecon CBR Test G - Disturbed sample (glass jar)      P - In Situ CBR Plate Test ES - Disturbed sample (tub and jar)      PID - Photo Ionisation Detector W - Water sample
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SITE Woodford Phase 1 SI		CLIENT Avro Heritage Ltd			
PROJECT NUMBER A1065-00	CO-ORDINATES E - 389887.84 N - 381534.84	GROUND ELEVATION (mAOD) 82.810	HOLE DEPTH (m) 2.70	Sheet 1 of 1	TRIAL PIT TP63
PLANT	DIMENSIONS -	DATE 26/01/2012	LOGGED BY	CHECKED BY	SCALE 1:50

SAMPLES & TESTS				STRATA				LEGEND	WATER
TOP (mbgl)	BASE (mbgl)	TYPE	TEST RESULTS	LEVEL (mAOD)	BASE THICKNESS (mbgl (m))	DEPTH (mbgl)	DESCRIPTION		
0.30		D		(0.10)	0.10		MADE GROUND: Bituminous surfacing.		
				(0.30)		0.40	MADE GROUND: Black sandy subangular medium to coarse gravel of bitumin, brick fragments and large cobbles.		
0.60		HV	1 - 105kPa	(0.50)			Firm to stiff light brown silty CLAY.		
0.60		HV	3 - 90kPa			0.90			
0.60		D		82		1	Soft light brown clayey SILT. Lenses of running sand.		
0.80		D							
1.10		HV	4 - 40kPa	(0.90)					
1.10		HV	5 - 35kPa			1.80			
1.10		HV	6 - 35kPa						
1.10		D							
2.00		D		81		2	Stiff light brown gravelly CLAY. Gravel is fine to medium subrounded to subangular of quartz. Running sand encountered at base of trial pit.		
				(0.90)					
2.70		D				2.70	End of Trial Pit at 2.70 m		
				80		3			
				79		4			
				78		5			
				77		6			
				76		7			
				75		8			
				74		9			

GROUNDWATER DEPTH (m)      BEHAVIOUR	REMARKS Trial pit remained stable. No groundwater encountered. Trial pit backfilled with arisings.  Material logged in general accordance with BS 5930 (as amended) & BS EN ISO 14688	KEY B - Bulk disturbed sample      HV - In Situ Hand Vane Test D - Disturbed samples (plastic tub)      M - In Situ Mexecon CBR Test G - Disturbed sample (glass jar)      P - In Situ CBR Plate Test ES - Disturbed sample (tub and jar)      PID - Photo Ionisation Detector W - Water sample
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SITE Woodford Phase 1 SI		CLIENT Avro Heritage Ltd			
PROJECT NUMBER A1065-00	CO-ORDINATES E - 389640.01 N - 381431.95	GROUND ELEVATION (mAOD) 84.437	HOLE DEPTH (m) 3.70	Sheet 1 of 1	TRIAL PIT TP64
PLANT	DIMENSIONS -	DATE 19/01/2012	LOGGED BY	CHECKED BY	SCALE 1:50


SAMPLES & TESTS				STRATA				LEGEND	WATER
TOP (mbgl)	BASE (mbgl)	TYPE	TEST RESULTS	LEVEL (mAOD)	BASE THICKNESS (mbgl (m))	DEPTH (mbgl)	DESCRIPTION		
				(0.15)	0.15		MADE GROUND: Bituminous surfacing		
				(0.15)	0.30		MADE GROUND: Concrete		
				(0.15)	0.45		MADE GROUND: Concrete subbase.		
0.80		D		(0.65)			Firm orange sandy SILT. Silt is friable.		
				83		1.10	Orange medium SAND		
1.30		D							
				82		2			
				(2.60)					
3.00		D		81		3			
						3.70	End of Trial Pit at 3.70 m		
				80		4			
				79		5			
				78		6			
				77		7			
				76		8			
				75		9			


GROUNDWATER DEPTH (m)      BEHAVIOUR	REMARKS Trial pit remained stable. No groundwater encountered. Trial pit backfilled with arisings.  Material logged in general accordance with BS 5930 (as amended) & BS EN ISO 14688	KEY B - Bulk disturbed sample      HV - In Situ Hand Vane Test D - Disturbed samples (plastic tub)      M - In Situ Mexecon CBR Test G - Disturbed sample (glass jar)      P - In Situ CBR Plate Test ES - Disturbed sample (tub and jar)      PID - Photo Ionisation Detector W - Water sample
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SITE Woodford Phase 1 SI		CLIENT Avro Heritage Ltd		<b>BAE SYSTEMS</b>	
PROJECT NUMBER A1065-00	CO-ORDINATES E - 389750.96 N - 381447.31	GROUND ELEVATION (mAOD) 82.414	HOLE DEPTH (m) 3.00	Sheet 1 of 1	TRIAL PIT TP65
PLANT	DIMENSIONS -	DATE 26/01/2012	LOGGED BY	CHECKED BY	SCALE 1:50


SAMPLES & TESTS				STRATA				LEGEND	WATER
TOP (mbgl)	BASE (mbgl)	TYPE	TEST RESULTS	LEVEL (mAOD)	BASE (THICKNESS) (mbgl)	DEPTH (mbgl)	DESCRIPTION		
0.30		D		(0.10) 0.10			MADE GROUND: Bituminous surfacing		
				(0.30) 0.40			MADE GROUND: Grey gravelly clay with large concrete boulders and brick fragments		
0.60		D		(0.60)			Firm to stiff orange brown mottled grey sandy CLAY.		
0.70		HV	1 - 60kPa						
0.70		HV	2 - 75kPa						
0.70		HV	3 - 90kPa						
1.10		HV	3 - 30kPa	81	1.00	1	Soft light brown sandy CLAY.		
1.10		HV	4 - 40kPa						
1.10		HV	5 - 30kPa						
		D		(0.80) 1.80			Light brown clayey fine to medium SAND		
2.20		D		(0.90) 2.70			Firm to stiff light brown sandy gravelly CLAY. Gravel is subrounded fine to medium of quartz.		
				(0.30) 3.00			End of Trial Pit at 3.00 m		
3.00		D		79	3.00	3			
				78		4			
				77		5			
				76		6			
				75		7			
				74		8			
				73		9			


GROUNDWATER DEPTH (m)      BEHAVIOUR	REMARKS Sidewalls unstable and collapsing from 1.8m. Trial pit backfilled with arisings.  Material logged in general accordance with BS 5930 (as amended) & BS EN ISO 14688	KEY B - Bulk disturbed sample      HV - In Situ Hand Vane Test D - Disturbed samples (plastic tub)      M - In Situ Mexecon CBR Test G - Disturbed sample (glass jar)      P - In Situ CBR Plate Test ES - Disturbed sample (tub and jar)      PID - Photo Ionisation Detector W - Water sample
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SITE Woodford Phase 1 SI		CLIENT Avro Heritage Ltd			
PROJECT NUMBER A1065-00	CO-ORDINATES E - 389824.23 N - 381435.16	GROUND ELEVATION (mAOD) 82.362	HOLE DEPTH (m) 0.15	Sheet 1 of 1	TRIAL PIT TP66
PLANT	DIMENSIONS -	DATE 19/01/2012	LOGGED BY	CHECKED BY	SCALE 1:50


SAMPLES & TESTS				STRATA				LEGEND	WATER
TOP (mbgl)	BASE (mbgl)	TYPE	TEST RESULTS	LEVEL (mAOD)	BASE THICKNESS (mbgl (m))	DEPTH (mbgl)	DESCRIPTION		
				(0.15)	0.15		MADE GROUND: Reinforced concrete. End of Trial Pit at 0.15 m		
				81		1			
				80		2			
				79		3			
				78		4			
				77		5			
				76		6			
				75		7			
				74		8			
				73		9			







GROUNDWATER DEPTH (m)      BEHAVIOUR	REMARKS Trial pit remained stable. No groundwater encountered. Trial pit backfilled with arisings.  Material logged in general accordance with BS 5930 (as amended) & BS EN ISO 14688	KEY B - Bulk disturbed sample      HV - In Situ Hand Vane Test D - Disturbed samples (plastic tub)      M - In Situ Mexecon CBR Test G - Disturbed sample (glass jar)      P - In Situ CBR Plate Test ES - Disturbed sample (tub and jar)      PID - Photo Ionisation Detector W - Water sample
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SITE Woodford Phase 1 SI		CLIENT Avro Heritage Ltd			
PROJECT NUMBER A1065-00	CO-ORDINATES E - 389935.70 N - 381437.53	GROUND ELEVATION (mAOD) 82.528	HOLE DEPTH (m) 1.10	Sheet 1 of 1	TRIAL PIT TP67
PLANT	DIMENSIONS -	DATE 19/01/2012	LOGGED BY	CHECKED BY	SCALE 1:50


SAMPLES & TESTS				STRATA				LEGEND	WATER
TOP (mbgl)	BASE (mbgl)	TYPE	TEST RESULTS	LEVEL (mAOD)	BASE THICKNESS (mbgl (m))	DEPTH (mbgl)	DESCRIPTION		
				82	0.15	1	MADE GROUND: Concrete		
0.55		D			0.30	0.45	MADE GROUND Concrete subbase with brick		
0.95		D			0.65	1	MADE GROUND: Grey black sandy silt/clay with some ash; hydrocarbon odour. concrete plinth at 1m, covering part of water pipe.		
				82		1.10	End of Trial Pit at 1.10 m		
				81		2			
				80		3			
				79		4			
				78		5			
				77		6			
				76		7			
				75		8			
				74		9			

GROUNDWATER DEPTH (m)      BEHAVIOUR	REMARKS Trial pit remained stable. No groundwater encountered. Trial pit backfilled with arisings.  Material logged in general accordance with BS 5930 (as amended) & BS EN ISO 14688	KEY B - Bulk disturbed sample      HV - In Situ Hand Vane Test D - Disturbed samples (plastic tub)      M - In Situ Mexecon CBR Test G - Disturbed sample (glass jar)      P - In Situ CBR Plate Test ES - Disturbed sample (tub and jar)      PID - Photo Ionisation Detector W - Water sample
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SITE Woodford Phase 1 SI		CLIENT Avro Heritage Ltd			
PROJECT NUMBER A1065-00	CO-ORDINATES E - 389710.95 N - 381366.47	GROUND ELEVATION (mAOD) 82.427	HOLE DEPTH (m) 3.90	Sheet 1 of 1	TRIAL PIT TP69
PLANT	DIMENSIONS -	DATE 19/01/2012	LOGGED BY	CHECKED BY	SCALE 1:50

SAMPLES & TESTS				STRATA				LEGEND	WATER
TOP (mbgl)	BASE (mbgl)	TYPE	TEST RESULTS	LEVEL (mAOD)	BASE (THICKNESS) (mbgl)	DEPTH (mbgl)	DESCRIPTION		
0.35		D		(0.05) 0.05 (0.10) 0.15 (0.05) 0.20 (0.45)			MADE GROUND Bitumen surfacing MADE GROUND: Concrete MADE GROUND: Concrete subbase Orange medium SAND.		
0.95		B		81 (0.65)		1	Soft grey brown mottled grey sandy SILT. dark grey at surface of strata.		
0.95		D					Soft orange brown with some grey mottling SILT		
1.50		D		(0.80)					
2.30				80		2	Firm orange brown mottled grey slightly laminated SILT/CLAY . visible plant remains at top of strata.		
2.30		HV	1 - 80kPa						
2.30		HV	2 - 76kPa	(0.80)					
2.30		B							
2.30		D							
3.00		D		79		3	Orange brown very silty fine SAND.		
				(1.00)					
3.90		D		78		4	End of Trial Pit at 3.90 m		
				77		5			
				76		6			
				75		7			
				74		8			
				73		9			

GROUNDWATER DEPTH (m)    BEHAVIOUR	REMARKS Trial pit remained stable. No groundwater encountered. Trial pit backfilled with arisings.  Material logged in general accordance with BS 5930 (as amended) & BS EN ISO 14688	KEY B - Bulk disturbed sample      HV - In Situ Hand Vane Test D - Disturbed samples (plastic tub)    M - In Situ Mexecon CBR Test G - Disturbed sample (glass jar)      P - In Situ CBR Plate Test ES - Disturbed sample (tub and jar)    PID - Photo Ionisation Detector W - Water sample
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SITE Woodford Phase 1 SI		CLIENT Avro Heritage Ltd			
PROJECT NUMBER A1065-00	CO-ORDINATES E - 389890.43 N - 381352.75	GROUND ELEVATION (mAOD) 82.196	HOLE DEPTH (m) 3.30	Sheet 1 of 1	TRIAL PIT TP71
PLANT	DIMENSIONS -	DATE 25/01/2012	LOGGED BY	CHECKED BY	SCALE 1:50

SAMPLES & TESTS				STRATA				LEGEND	WATER
TOP (mbgl)	BASE (mbgl)	TYPE	TEST RESULTS	LEVEL (mAOD)	BASE (THICKNESS) (mbgl)	DEPTH (mbgl)	DESCRIPTION		
				(0.20)	0.20		MADE GROUND: Bituminous surfacing		
				(0.70)			MADE GROUND: Yellow sandy cobbly angular medium to coarse stone.		
0.90		D		81 (0.10)	0.90 1.00	1	MADE GROUND: Dark grey organic SILT Light brown fine to medium SAND		
1.70		D		(1.20)		2			
2.50		D		(0.40)	2.20 2.60		Soft light brown sandy SILT. Dark brown medium gravelly SAND.	XXXXXX XXXXXX XXXXXX	
3.30		D		79 (0.70)	3.30	3	End of Trial Pit at 3.30 m		
				78		4			
				77		5			
				76		6			
				75		7			
				74		8			
				73		9			


GROUNDWATER DEPTH (m)      BEHAVIOUR	REMARKS Trial pit remained stable. No groundwater encountered. Trial pit backfilled with arisings.  Material logged in general accordance with BS 5930 (as amended) & BS EN ISO 14688	KEY B - Bulk disturbed sample      HV - In Situ Hand Vane Test D - Disturbed samples (plastic tub)      M - In Situ Mexecon CBR Test G - Disturbed sample (glass jar)      P - In Situ CBR Plate Test ES - Disturbed sample (tub and jar)      PID - Photo Ionisation Detector W - Water sample
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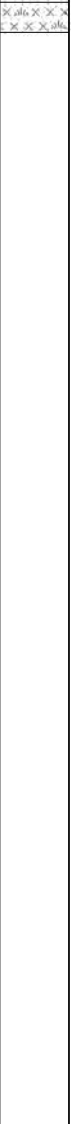


SITE Woodford Phase 1 SI		CLIENT Avro Heritage Ltd			
PROJECT NUMBER A1065-00	CO-ORDINATES E - 389701.46 N - 381314.94	GROUND ELEVATION (mAOD) 82.262	HOLE DEPTH (m) 3.00	Sheet 1 of 1	TRIAL PIT TP72
PLANT	DIMENSIONS -	DATE 27/01/2012	LOGGED BY	CHECKED BY	SCALE 1:50


SAMPLES & TESTS				STRATA				LEGEND	WATER
TOP (mbgl)	BASE (mbgl)	TYPE	TEST RESULTS	LEVEL (mAOD)	BASE (THICKNESS) (mbgl (m))	DEPTH (mbgl)	DESCRIPTION		
				(0.08)	0.08		MADE GROUND: Bituminous surfacing		
0.50		D		(0.82)			MADE GROUND: Dark grey sandy subangular gravel with whole bricks		
1.00		D		81 (0.40)	0.90	1	MADE GROUND: Light brown clayey silt with brick fragments.		
1.40		D			1.30		Soft light brown clayey SILT.		
				(1.00)					
2.30		D		80		2	Very soft light grey sandy clayey organic SILT		
				(0.60)					
3.00		D		79 (0.10)	2.90 3.00	3	Light brown silty fine SAND with organic material.		
End of Trial Pit at 3.00 m									
				78		4			
				77		5			
				76		6			
				75		7			
				74		8			
				73		9			









<b>GROUNDWATER</b> DEPTH (m)      BEHAVIOUR	<b>REMARKS</b> Trial pit remained stable. No groundwater encountered. Trial pit backfilled with arisings.  Material logged in general accordance with BS 5930 (as amended) & BS EN ISO 14688	<b>KEY</b> B - Bulk disturbed sample      HV - In Situ Hand Vane Test D - Disturbed samples (plastic tub)      M - In Situ Mexecon CBR Test G - Disturbed sample (glass jar)      P - In Situ CBR Plate Test ES - Disturbed sample (tub and jar)      PID - Photo Ionisation Detector W - Water sample
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SITE Woodford Phase 1 SI		CLIENT Avro Heritage Ltd			
PROJECT NUMBER A1065-00	CO-ORDINATES E - 389887.54 N - 381283.47	GROUND ELEVATION (mAOD) 82.244	HOLE DEPTH (m) 2.90	Sheet 1 of 1	TRIAL PIT TP73
PLANT	DIMENSIONS -	DATE 26/01/2012	LOGGED BY	CHECKED BY	SCALE 1:50


SAMPLES & TESTS				STRATA				LEGEND	WATER
TOP (mbgl)	BASE (mbgl)	TYPE	TEST RESULTS	LEVEL (mAOD)	BASE (THICKNESS) (mbgl (m))	DEPTH (mbgl)	DESCRIPTION		
0.30		D		(0.10)	0.10		MADE GROUND: Bituminous surfacing		
				(0.40)			MADE GROUND: Dark grey sandy clay with whole bricks.		
0.60		D		(0.30)	0.50		MADE GROUND: Light brown sandy clay with ash.		
1.00		D		81 (0.60)	0.80	1	MADE GROUND: Light brown reworked silty clay.		
1.70		D			1.40		Very soft light brown sandy CLAY.		
				80 (1.30)		2			
2.90		D		(0.20)	2.70		Very soft light grey sandy organic SILT.		
				79	2.90	3	End of Trial Pit at 2.90 m		
				78		4			
				77		5			
				76		6			
				75		7			
				74		8			
				73		9			






GROUNDWATER DEPTH (m)      BEHAVIOUR	REMARKS Trial pit remained stable. No groundwater encountered. Trial pit backfilled with arisings.  Material logged in general accordance with BS 5930 (as amended) & BS EN ISO 14688	KEY B - Bulk disturbed sample      HV - In Situ Hand Vane Test D - Disturbed samples (plastic tub)      M - In Situ Mexecon CBR Test G - Disturbed sample (glass jar)      P - In Situ CBR Plate Test ES - Disturbed sample (tub and jar)      PID - Photo Ionisation Detector W - Water sample
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SITE Woodford Phase 1 SI		CLIENT Avro Heritage Ltd			
PROJECT NUMBER A1065-00	CO-ORDINATES E - 389476.97 N - 381813.90	GROUND ELEVATION (mAOD) 85.243	HOLE DEPTH (m) 2.50	Sheet 1 of 1	TRIAL PIT TP74
PLANT	DIMENSIONS -	DATE 18/01/2012	LOGGED BY	CHECKED BY	SCALE 1:50


SAMPLES & TESTS				STRATA				LEGEND	WATER
TOP (mbgl)	BASE (mbgl)	TYPE	TEST RESULTS	LEVEL (mAOD)	BASE (THICKNESS) (mbgl (m))	DEPTH (mbgl)	DESCRIPTION		
0.10		D		(0.20)	(0.10) 0.20		MADE GROUND: Black fine to coarse sub angular to sub rounded sandy clayey gravel and cobbles of mixed lithology including abundant clinker.		
0.50		D		(0.40)	(0.20) 0.30		MADE GROUND: Dark brown slightly ashy reworked clay with abundant pockets of light brown sand and some fine to coarse sub angular to sub rounded gravel and cobbles of clinker.		
1.20		D		(0.20) 0.90	(0.40) 0.70	1	MADE GROUND: Dark brown clayey pseudofibrous peat with plant remains and pockets of grey clayey sand [reworked].		
1.80		D		(0.20) 1.30	(0.70) 1.50		MADE GROUND: Soft reddish brown sandy peaty clay. Clay land drain encountered at 0.8m.		
2.50		D		(0.70) 83	(0.30) 2.20	2	MADE GROUND: Medium light brown sand with abundant pockets of grey sand and occasional stiff grey clay [reworked].		
				(0.30) 2.50			Medium light brown SAND.		
							Soft grey sandy SILT with abundant lenses of medium light brown sand.		
							Medium light brown/grey SAND.		
						3	End of Trial Pit at 2.50 m		
						4			
						5			
						6			
						7			
						8			
						9			







GROUNDWATER DEPTH (m)      BEHAVIOUR	REMARKS Trial pit remained stable. No groundwater encountered. Trial pit backfilled with arisings.  Material logged in general accordance with BS 5930 (as amended) & BS EN ISO 14688	KEY B - Bulk disturbed sample      HV - In Situ Hand Vane Test D - Disturbed samples (plastic tub)      M - In Situ Mexecon CBR Test G - Disturbed sample (glass jar)      P - In Situ CBR Plate Test ES - Disturbed sample (tub and jar)      PID - Photo Ionisation Detector W - Water sample
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SITE Woodford Phase 1 SI		CLIENT Avro Heritage Ltd			
PROJECT NUMBER A1065-00	CO-ORDINATES E - 389471.88 N - 381731.38	GROUND ELEVATION (mAOD) 86.012	HOLE DEPTH (m) 2.40	Sheet 1 of 1	TRIAL PIT TP75
PLANT	DIMENSIONS -	DATE 18/01/2012	LOGGED BY	CHECKED BY	SCALE 1:50


SAMPLES & TESTS				STRATA				LEGEND	WATER
TOP (mbgl)	BASE (mbgl)	TYPE	TEST RESULTS	LEVEL (mAOD)	BASE (THICKNESS) (mbgl (m))	DEPTH (mbgl)	DESCRIPTION		
0.10		D		(0.20)	0.20		Soft very sandy TOPSOIL with occasional pockets of pale grey sand and occasional subangular to subrounded gravel and cobbles of mixed lithology.		
0.60		D		(0.60)			MADE GROUND: Brown reworked sand with pockets of reddish brown and dark brown sand and occasional fragments of clay pipe.		
1.00		D		85 (0.40)		1	Light brown SAND with abundant pockets of reddish brown sand and stiff grey sandy silt.		
1.50		D		(0.50)			Grey laminated silty SAND with abundant lenses of medium light brown sand.		
1.80		D		84 (0.70)		2	Light brown SAND with some lenses of firm grey clay.		
2.50		D				2.40	End of Trial Pit at 2.40 m		
				83		3			
				82		4			
				81		5			
				80		6			
				79		7			
				78		8			
				77		9			


GROUNDWATER DEPTH (m)      BEHAVIOUR	REMARKS Trial pit remained stable. No groundwater encountered. Trial pit backfilled with arisings.  Material logged in general accordance with BS 5930 (as amended) & BS EN ISO 14688	KEY B - Bulk disturbed sample      HV - In Situ Hand Vane Test D - Disturbed samples (plastic tub)      M - In Situ Mexecon CBR Test G - Disturbed sample (glass jar)      P - In Situ CBR Plate Test ES - Disturbed sample (tub and jar)      PID - Photo Ionisation Detector W - Water sample
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SITE Woodford Phase 1 SI		CLIENT Avro Heritage Ltd			
PROJECT NUMBER A1065-00	CO-ORDINATES E - 391376.02 N - 382519.91	GROUND ELEVATION (mAOD) 90.702	HOLE DEPTH (m) 3.20	Sheet 1 of 1	TRIAL PIT TP76
PLANT	DIMENSIONS -	DATE 23/01/2012	LOGGED BY	CHECKED BY	SCALE 1:50

SAMPLES & TESTS				STRATA				LEGEND	WATER
TOP (mbgl)	BASE (mbgl)	TYPE	TEST RESULTS	LEVEL (mAOD)	BASE (THICKNESS) (mbgl (m))	DEPTH (mbgl)	DESCRIPTION		
0.17		D		(0.15)	0.15		MADE GROUND: Concrete		
0.50		D		(0.15)	0.30		MADE GROUND: Black sandy subangular gravel of bitumen. Hydrocarbon odour.		
				(0.50)			MADE GROUND: Light brown sandy clay [reworked].		
				0.80					
1.10		HV	1 - 40kPa	90		1	Soft light yellow brown sandy CLAY.		
1.10		HV	2 - 50kPa	(0.90)					
1.10		HV	3 - 30kPa						
1.10		D							
1.80		D		1.70		2	Firm to stiff light brown CLAY.		
				89					
				(1.50)					
3.20		D		88		3			
							End of Trial Pit at 3.20 m		
				87		4			
				86		5			
				85		6			
				84		7			
				83		8			
				82		9			






GROUNDWATER DEPTH (m)      BEHAVIOUR	REMARKS Trial pit remained stable. No groundwater encountered. Trial pit backfilled with arisings.  Material logged in general accordance with BS 5930 (as amended) & BS EN ISO 14688	KEY B - Bulk disturbed sample      HV - In Situ Hand Vane Test D - Disturbed samples (plastic tub)      M - In Situ Mexecon CBR Test G - Disturbed sample (glass jar)      P - In Situ CBR Plate Test ES - Disturbed sample (tub and jar)      PID - Photo Ionisation Detector W - Water sample
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<b>SITE</b> Woodford Phase 1 SI		<b>CLIENT</b> Avro Heritage Ltd			
<b>PROJECT NUMBER</b> A1065-00	<b>CO-ORDINATES</b> E - 389238.10 N - 382708.04	<b>GROUND ELEVATION (mAOD)</b> 90.130	<b>HOLE DEPTH (m)</b> 1.80	<b>Sheet 1 of 1</b>	<b>TRIAL PIT</b> TP77
<b>PLANT</b>	<b>DIMENSIONS</b> -	<b>DATE</b> 25/01/2012	<b>LOGGED BY</b>	<b>CHECKED BY</b>	<b>SCALE</b> 1:50


<b>SAMPLES &amp; TESTS</b>				<b>STRATA</b>					<b>LEGEND</b>	<b>WATER</b>
<b>TOP</b> (mbgl)	<b>BASE</b> (mbgl)	<b>TYPE</b>	<b>TEST RESULTS</b>	<b>LEVEL</b> (mAOD)	<b>BASE</b> <b>(THICKNESS)</b> mbgl (m)	<b>DEPTH</b> (mbgl)	<b>DESCRIPTION</b>			
0.10		D		(0.20)	0.20		MADE GROUND: Light brown silty reworked topsoil.			
0.40		D		(0.65)			MADE GROUND: Light brown sandy gravelly clay with some whole bricks, concrete and clinker, plastic.			
0.90		D		(0.10) 0.85	0.95	1	MADE GROUND: Black sandy subangular gravel. Gravel is ash with hydrocarbon odour			
1.10		D		(0.25)	1.20		Soft grey SILT (Original topsoil).			
1.60		D		(0.50)			Soft grey sandy CLAY.			
1.80		D		(0.10) 1.70	1.80	2	Soft orange brown sandy CLAY (Weathered SS)			
							End of Trial Pit at 1.80 m			
						3				
						4				
						5				
						6				
						7				
						8				
						9				


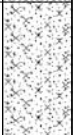


<b>GROUNDWATER</b> DEPTH (m)      BEHAVIOUR		<b>REMARKS</b> Trial pit remained stable. No groundwater encountered. Trial pit backfilled with arisings.  Material logged in general accordance with BS 5930 (as amended) & BS EN ISO 14688	<b>KEY</b> B - Bulk disturbed sample D - Disturbed samples (plastic tub) G - Disturbed sample (glass jar) ES - Disturbed sample (tub and jar) W - Water sample HV - In Situ Hand Vane Test M - In Situ Mexecon CBR Test P - In Situ CBR Plate Test PID - Photo Ionisation Detector
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SITE Woodford Phase 1 SI		CLIENT Avro Heritage Ltd		<b>BAE SYSTEMS</b>	
PROJECT NUMBER A1065-00	CO-ORDINATES E - 389187.34 N - 382066.03	GROUND ELEVATION (mAOD) 85.609	HOLE DEPTH (m) 3.10	Sheet 1 of 1	TRIAL PIT TP78
PLANT	DIMENSIONS -	DATE 24/01/2012	LOGGED BY	CHECKED BY	SCALE 1:50

SAMPLES & TESTS				STRATA					
TOP (mbgl)	BASE (mbgl)	TYPE	TEST RESULTS	LEVEL (mAOD)	BASE (THICKNESS) (mbgl (m))	DEPTH (mbgl)	DESCRIPTION	LEGEND	WATER
0.30		D		(0.20)	0.20		MADE GROUND: Bituminous surfacing.		
				(0.40)			MADE GROUND: Concrete.		
0.80		D		0.60			Soft to firm light orange brown sandy CLAY.		
				85 (0.90)		1			
1.60		D		1.50			Red brown clayey fine to medium SANDY CLAY.		
				84 (1.30)		2			
2.20		D							
				2.80					
3.10		D		83 (0.30)		3	Stiff light red brown sandy CLAY.		
							End of Trial Pit at 3.10 m		
				82		4			
				81		5			
				80		6			
				79		7			
				78		8			
				77		9			


GROUNDWATER DEPTH (m)      BEHAVIOUR	REMARKS Sides unstable collapsing from 1.9m, running sand 2.2m. Trial pit backfilled with arisings.  Material logged in general accordance with BS 5930 (as amended) & BS EN ISO 14688	KEY B - Bulk disturbed sample      HV - In Situ Hand Vane Test D - Disturbed samples (plastic tub)      M - In Situ Mexecon CBR Test G - Disturbed sample (glass jar)      P - In Situ CBR Plate Test ES - Disturbed sample (tub and jar)      PID - Photo Ionisation Detector W - Water sample
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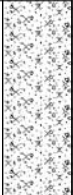


SITE Woodford Phase 1 SI		CLIENT Avro Heritage Ltd			
PROJECT NUMBER A1065-00	CO-ORDINATES E - 389457.68 N - 381543.75	GROUND ELEVATION (mAOD) 87.968	HOLE DEPTH (m) 3.20	Sheet 1 of 1	TRIAL PIT TP79
PLANT	DIMENSIONS -	DATE 27/01/2012	LOGGED BY	CHECKED BY	SCALE 1:50

SAMPLES & TESTS				STRATA				LEGEND	WATER
TOP (mbgl)	BASE (mbgl)	TYPE	TEST RESULTS	LEVEL (mAOD)	BASE (THICKNESS) (mbgl (m))	DEPTH (mbgl)	DESCRIPTION		
0.30		D		(0.60)			Very soft light brown very sand SILT with organic odour [topsoil].		
0.70		D		87 (0.90)	0.60	1	Orange brown silty SAND with occasional subrounded gravel of sandstone.		
1.60		D		(0.20)	1.50		Firm orange brown mottled grey very sandy SILT		
1.90		D		86	1.70	2	Very soft pink orange very sandy SILT		
2.80		D		(1.50)		3			
				85		3.20	End of Trial Pit at 3.20 m		
				84		4			
				83		5			
				82		6			
				81		7			
				80		8			
				79		9			


GROUNDWATER DEPTH (m)      BEHAVIOUR	REMARKS Sides unstable and collapsing from approximately 2.5. Trial pit backfilled with arisings.  Material logged in general accordance with BS 5930 (as amended) & BS EN ISO 14688	KEY B - Bulk disturbed sample      HV - In Situ Hand Vane Test D - Disturbed samples (plastic tub)      M - In Situ Mexecon CBR Test G - Disturbed sample (glass jar)      P - In Situ CBR Plate Test ES - Disturbed sample (tub and jar)      PID - Photo Ionisation Detector W - Water sample
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SITE Woodford Phase 1 SI		CLIENT Avro Heritage Ltd			
PROJECT NUMBER A1065-00	CO-ORDINATES E - 389583.29 N - 381446.10	GROUND ELEVATION (mAOD) 85.849	HOLE DEPTH (m) 3.50	Sheet 1 of 1	TRIAL PIT TP80
PLANT	DIMENSIONS -	DATE -	LOGGED BY	CHECKED BY	SCALE 1:50


SAMPLES & TESTS				STRATA				LEGEND	WATER
TOP (mbgl)	BASE (mbgl)	TYPE	TEST RESULTS	LEVEL (mAOD)	BASE THICKNESS (mbgl (m))	DEPTH (mbgl)	DESCRIPTION		
				(0.40)			Soft black sandy silt with organic odour [Topsoil].		
				0.40			Orange very silty SAND with some subrounded gravel and occasional cobbles of mixed lithology. Silt content decreases with depth.		
				85 (1.30)		1			
				1.70			Very soft red mottled orange very sandy SILT.		
				84 (1.00)		2			
				2.70			Orange slightly silty SAND		
				83 (0.80)		3			
				3.50			End of Trial Pit at 3.50 m		
				82		4			
				81		5			
				80		6			
				79		7			
				78		8			
				77		9			

GROUNDWATER DEPTH (m)      BEHAVIOUR	REMARKS Trial pit remained stable. No groundwater encountered. Trial pit backfilled with arisings.  Material logged in general accordance with BS 5930 (as amended) & BS EN ISO 14688	KEY B - Bulk disturbed sample      HV - In Situ Hand Vane Test D - Disturbed samples (plastic tub)      M - In Situ Mexecon CBR Test G - Disturbed sample (glass jar)      P - In Situ CBR Plate Test ES - Disturbed sample (tub and jar)      PID - Photo Ionisation Detector W - Water sample
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SITE Woodford Phase 1 SI		CLIENT Avro Heritage Ltd			
PROJECT NUMBER A1065-00	CO-ORDINATES E - 389456.24 N - 381544.19	GROUND ELEVATION (mAOD) 88.013	HOLE DEPTH (m) 1.40	Sheet 1 of 1	TRIAL PIT TPA
PLANT	DIMENSIONS -	DATE -	LOGGED BY	CHECKED BY	SCALE 1:50

SAMPLES & TESTS				STRATA				LEGEND	WATER
TOP (mbgl)	BASE (mbgl)	TYPE	TEST RESULTS	LEVEL (mAOD)	BASE THICKNESS (mbgl (m))	DEPTH (mbgl)	DESCRIPTION		
				(0.40)		0.40	MADE GROUND: Brown sandy silt with much subrounded gravel of bitumen, concrete and metal.		
				(0.80)		87	MADE GROUND: Brown mottled yellow sandy slightly silty clay with occasional subrounded gravel of mixed lithology.		
				(0.20)		1.20 1.40	MADE GROUND: Red brown sandy angular to subangular gravel of brick, concrete and occasional clinker.		
End of Trial Pit at 1.40 m									
				86		2			
				85		3			
				84		4			
				83		5			
				82		6			
				81		7			
				80		8			
				79		9			

GROUNDWATER DEPTH (m)      BEHAVIOUR	REMARKS Trial pit remained stable. No groundwater encountered. Trial pit backfilled with arisings.  Material logged in general accordance with BS 5930 (as amended) & BS EN ISO 14688	KEY B - Bulk disturbed sample      HV - In Situ Hand Vane Test D - Disturbed samples (plastic tub)      M - In Situ Mexecon CBR Test G - Disturbed sample (glass jar)      P - In Situ CBR Plate Test ES - Disturbed sample (tub and jar)      PID - Photo Ionisation Detector W - Water sample
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SITE Woodford Phase 1 SI		CLIENT Avro Heritage Ltd			
PROJECT NUMBER A1065-00	CO-ORDINATES E - 389583.89 N - 381444.01	GROUND ELEVATION (mAOD) 85.719	HOLE DEPTH (m) 1.20	Sheet 1 of 1	TRIAL PIT TPB
PLANT	DIMENSIONS -	DATE -	LOGGED BY	CHECKED BY	SCALE 1:50

SAMPLES & TESTS				STRATA				LEGEND	WATER
TOP (mbgl)	BASE (mbgl)	TYPE	TEST RESULTS	LEVEL (mAOD)	BASE (THICKNESS) (mbgl (m))	DEPTH (mbgl)	DESCRIPTION		
				(0.30)	0.30		MADE GROUND: Black sandy silt with organic odour.		
				(0.60)			MADE GROUND: Grey sandy slightly silty angular to subangular medium to coarse gravel of limestone, concrete and brick.		
				85	0.90	1	End of Trial Pit at 1.20 m		
				84		2			
				83		3			
				82		4			
				81		5			
				80		6			
				79		7			
				78		8			
				77		9			

GROUNDWATER DEPTH (m)      BEHAVIOUR	REMARKS Trial pit remained stable. No groundwater encountered. Trial pit backfilled with arisings.  Material logged in general accordance with BS 5930 (as amended) & BS EN ISO 14688	KEY B - Bulk disturbed sample      HV - In Situ Hand Vane Test D - Disturbed samples (plastic tub)      M - In Situ Mexecon CBR Test G - Disturbed sample (glass jar)      P - In Situ CBR Plate Test ES - Disturbed sample (tub and jar)      PID - Photo Ionisation Detector W - Water sample
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# BOREHOLE LOG

Hole No.  
**BH101**

Project  
**Woodford Aerodrome**

Sheet  
**1 of 1**

Job No  
**70004430**

Client  
**Harrow Estates Plc**

Date  
**23-06-14  
24-06-14**

Contractor / Driller <b>Geo Site Surveys Ltd</b>	Method/Plant Used <b>Dando 2000</b>	Logged By <b>J Watson</b>	Co-Ordinates (NGR) <b>E 389687.160 N 382859.970</b>	Ground Level (m AOD) <b>90.530</b>
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SAMPLES & TESTS							STRATA					Install / Backfill
Depth	Type	Test Result	PID (ppmV)	HSV (kN/m2)	P Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thickness)	Description	Legend	Geology	Dia. 50 mm
0.30-0.40	ES		0				90.33	0.20	MADE GROUND: ASPHALT		MG	
0.70-0.80	ES		0						MADE GROUND: Brown and grey brown occasionally black gravelly SAND with occasional roots. Gravel is fine to coarse angular and subangular of ash, clinker, coal, sandstone and various lithologies.		MG	
1.00-1.20	ES		0				(2.00)					
2.00	SPT	1.0, 1.0, 1.1 N=3(S)	0				88.33	2.20				
2.00-2.45	D	19 blows	0	80	80				Very soft extremely low to very low strength light grey silty organic CLAY with occasional pockets (10-30mm) of brown amorphous peat. (SUPERFICIAL DEPOSITS)		SUPD	
2.40-2.60	ES		0	80	72			(1.00)				
2.75	D		0	80	72			87.33	3.20			
3.00-3.45	U100	19 blows							Firm medium and high strength reddish brown slightly sandy slightly gravelly CLAY. Gravel is fine and medium subangular to rounded of various lithologies. (GLACIAL DEPOSITS)		GDU	
3.40-3.60	ES							(4.00)				
3.75	D											
4.00-5.00	U100	31 blows										
4.75	D								6.95 Cobble		GDU	
5.00	SPT	1.2, 2.4, 2.5 N=13(S)						(1.40)				
5.00-5.45	D							83.33	7.20			
6.50-6.95	U100	67 blows							Medium dense orangish brown fine SAND. (GLACIAL DEPOSITS)		GDU	
8.00	SPT	1.1, 2.5, 2.9 N=18(S)						(1.40)				
8.00-8.45	D								Firm brown slightly sandy slightly gravelly CLAY. Gravel is fine and medium subangular to rounded of various lithologies. (GLACIAL DEPOSITS)		GDU	
8.75	D							(1.70)				
9.50-9.95	U100	71 blows							Medium dense orangish brown fine SAND. (GLACIAL TILL)		GDU	
10.00	D							80.23				
11.00	SPT	2.3, 2.5, 3.3 N=13(S)							(2.30)			
11.00-11.45	D								Firm brown slightly sandy slightly gravelly CLAY. Gravel is fine and medium subangular to rounded of various lithologies. (GLACIAL DEPOSITS)		GDU	
11.75	D							77.93				
12.50	SPT	2.3, 4.4 N=15(S)							(1.45)			
14.00-14.45	D							76.08	14.45			
Borehole terminated at 14.45m bgl												

08 WSP BH LOG WOODFORD LOGS - COMBINED -100914 - UP TO DATE VERSION.GPJ.WSPTEMPLATE1.03.GDT. 11/12/14

Boring Progress						Water Strikes					
Date	Time	Depth	Casing Dpt	Dia. (mm)	Water Dpt	Date	Time	Strike	Minutes	Standing	Casing
23-06-14	00.00	9.00	9.00					1.10	20	1.10	1.00
24-06-14	00.00	14.45	14.45					12.00	20	9.80	12.00
Chiselling			Water Added								
From	To	Hours	Tool	From	To	General Remarks					
						Borehole complete at 14.45m bgl. No visual or olfactory evidence of contamination observed. No radiological readings above background recorded. Groundwater encountered at 1.1m bgl as seepage and at 12.0m bgl as groundwater. Hole installed upon completion. Response zone 2.4 to 14.4m bgl.					
Scale 1:125		Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.									



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# BOREHOLE LOG

Hole No.  
**BH102**

Project  
Woodford Aerodrome

Sheet  
1 of 1

Job No  
70004430

Client  
Harrow Estates Plc

Date  
14-07-14  
15-07-14

Contractor / Driller Geo Site Surveys Ltd	Method/Plant Used Dando 2000	Logged By S McGeever	Co-Ordinates (NGR) E 389250.480 N 382705.460	Ground Level (m AOD) 90.020
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SAMPLES & TESTS							STRATA					Install / Backfill Dia. 50 mm
Depth	Type	Test Result	PID (ppmV)	HSV (kN/m <sup>2</sup> )	P Pen (kN/m <sup>2</sup> )	Water	Elev. (mAOD)	Depth (Thickness)	Description	Legend	Geology	
							88.32	1.70	MADE GROUND: Light brown sandy ashy GRAVEL. Gravel is fine to coarse subangular to rounded of limestone, brick and various lithologies.		GMG	
2.00-2.45	U100								Stiff light brown and orangish grey gravelly CLAY with sand lenses. (GLACIAL DEPOSITS)		GDU	
2.75	D											
3.00	SPT	2,3,2 3,4,5 N=14(S)										
3.75	D											
4.00-4.45	U100											
4.45-4.50	D											
5.00	D											
6.50	SPT	4,4,6 7,8,8 N=29(S)										
7.50	D											
8.00-8.45	U100											
9.00	D											
9.50	SPT	6,6,5 5,11,17 N=38(S)					80.52	9.50	Light brownish red fine SAND. (GLACIAL DEPOSITS)		GDU	
10.00-10.50	B											
11.00	SPT	3,3,5 4,6,8 N=23(S)										
11.50-12.00	B											
12.00	SPT	3,3,2 3,4,5 N=14(S)					78.02	12.00				

08 WSP BH LOG WOODFORD LOGS - COMBINED -100914 - UP TO DATE VERSION.GPJ.WSPTEMPLATE1.03.GDT. 11/12/14

Boring Progress						Water Strikes					
Date	Time	Depth	Casing Dpt	Dia. (mm)	Water Dpt	Date	Time	Strike	Minutes	Standing	Casing
								4.50 9.50	10	3.10	
Chiselling			Water Added								
From	To	Hours	Tool	From	To	General Remarks					
						Borehole complete at 12.00m bgl. No visual or olfactory evidence of contamination observed. No radiological readings above background recorded. Groundwater encountered at 4.50m bgl as seepage and at 9.5m bgl as groundwater. Hole installed upon completion. Response zone 9 to 12m bgl.					
Scale 1:125		Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.									



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# BOREHOLE LOG

Hole No.  
**BH103**

Project  
**Woodford Aerodrome**

Sheet  
**1 of 1**

Job No  
**70004430**

Client  
**Harrow Estates Plc**

Date  
**24-06-14  
26-06-14**

Contractor / Driller <b>Geo Site Surveys Ltd</b>	Method/Plant Used <b>Dando 2000</b>	Logged By <b>J Watson</b>	Co-Ordinates (NGR) <b>E 389354.860 N 382553.380</b>	Ground Level (m AOD) <b>90.330</b>
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SAMPLES & TESTS						STRATA						Install / Backfill
Depth	Type	Test Result	PID (ppmV)	HSV (kN/m2)	P Pen (kN/m2)	Elev. (mAOD)	Depth (Thickness)	Description	Legend	Geology	Dia. 50 mm	
0.40-0.60	ES		0			89.33	1.00	MADE GROUND: Grass over brown clayey gravelly SAND with occasional sandstone cobbles and occasional metal fragments. Gravel is fine and coarse of brick, ash, clinker and sandstone.		MG		
1.00	SPT	3,13,30 20 N=50/ 0.125(S)	0			89.13 88.73	1.20 1.60	MADE GROUND: Soft brown sandy gravelly CLAY with occasional cobbles. Gravel is fine and medium of brick, ash and clinker.		MG		
1.00-1.20	ES					87.83	2.50	MADE GROUND: Cobble / Boulder of sandstone.		GDU		
1.50-1.70	ES			70				Firm locally soft greenish brown mottled brown sandy slightly gravelly CLAY. Gravel is fine and coarse rounded of various lithologies. (GLACIAL DEPOSITS)		GDU		
2.00	SPT	1,0,1 0,0,1 N=2(S)		50				Firm locally stiff greenish brown mottled brown sandy slightly gravelly CLAY. Gravel is fine and coarse rounded of various lithologies. (GLACIAL DEPOSITS)		GDU		
2.00-2.45	D			40								
2.75	D											
3.00-3.45	U100	17 blows		40								
3.45-3.60	D											
4.50	D											
5.00	SPT	2,3,3 4,5,6 N=18(S)		70			(6.25)					
5.75	D											
6.50-6.95	U100	30 blows		70								
6.95	D			86								
8.00	SPT	2,2,2 3,5,5 N=15(S)		40		81.58	8.75					
8.00-8.45	D					80.83	9.50	Orange brown medium SAND. (GLACIAL DEPOSITS)		GDU		
9.50	SPT	2,3,2 3,3,3 N=11(S)						Medium dense reddish brown medium SAND. (GLACIAL DEPOSITS)		GDU		
9.50-9.95	D											
10.00-10.50	B											
11.00	SPT	2,2,3 2,3,3 N=11(S)										
11.00-11.45	D											
11.75	D											
12.50	SPT	4,4,4 3,3,3 N=13(S)					(5.95)					
12.50-12.95	D											
13.00-13.50	B											
14.00	SPT	2,2,3 3,4,5 N=15(S)										
14.00-14.45	D											
15.00	SPT	2,3,4 3,4,6 N=17(S)				74.88	15.45	Borehole terminated at 15.45m bgl				
15.00-15.45	D											

08 WSP BH LOG WOODFORD LOGS - COMBINED -100914 - UP TO DATE VERSION.GPJ\_WSPTEMPLATE1.03.GDT\_11/12/14

Boring Progress						Water Strikes					
Date	Time	Depth	Casing Dpt	Dia. (mm)	Water Dpt	Date	Time	Strike	Minutes	Standing	Casing
								7.50			
Chiselling			Water Added								
From	To	Hours	Tool	From	To	General Remarks					
1.4	1.6	0030	140mm Cross chisel			Borehole complete at 15.45m bgl. No visual or olfactory evidence of contamination observed. No radiological readings above background recorded. Groundwater encountered at 7.50m bgl as seepage. Hole installed upon completion. Response zone 9 to 15m bgl.					
Scale 1:125		Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.									



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# BOREHOLE LOG

Hole No.  
**BH104**

Project  
**Woodford Aerodrome**

Sheet  
**1 of 1**

Job No  
**70004430**

Client  
**Harrow Estates Plc**

Date  
**26-06-14  
27-06-14**

Contractor / Driller <b>Geo Site Surveys Ltd</b>	Method/Plant Used <b>Dando 2000</b>	Logged By <b>J Watson / S McGeever</b>	Co-Ordinates (NGR) <b>E 389716.710 N 382556.790</b>	Ground Level (m AOD) <b>90.640</b>
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SAMPLES & TESTS						STRATA						Install / Backfill Dia. 50 mm
Depth	Type	Test Result	PID (ppmV)	HSV (kN/m <sup>2</sup> )	P Pen (kN/m <sup>2</sup> )	Elev. (mAOD)	Depth (Thickness)	Description	Legend	Geology		
0.40-0.50	ES		0			90.60	0.04	MADE GROUND: ASPHALT.		TARMAC CONC		
0.60-0.80	ES		0			90.55	0.09	MADE GROUND: CONCRETE.		TARMAC CONC		
						90.49	0.15	MADE GROUND: ASPHALT.		CONC		
						90.32	0.32	MADE GROUND: ASPHALT.		CONC		
1.30-1.50	ES		0			89.74	0.90	MADE GROUND: CONCRETE.		MG		
1.50	SPT	2.3,5 7.6,8 N=26(C)				89.34	1.30	MADE GROUND: CONCRETE.		GDU		
1.50-1.95	B						(3.30)	MADE GROUND: Dark grey and orange clayey sandy fine to coarse subangular GRAVEL of brick and sandstone				
2.00	SPT	3,4,5 5,5,6 N=21(C)						Brown fine SAND. (GLACIAL DEPOSITS)		GDU		
2.00-2.45	B							Medium dense brown gravelly medium and coarse SAND. Gravel is fine to coarse subrounded to rounded of various lithologies. (GLACIAL DEPOSITS)				
3.00	SPT	3,3,6 5,4,4 N=19(C)				86.04	4.60					
3.00-3.45	B							Dense brown SAND and fine to coarse subangular to rounded GRAVEL of various lithologies. (GLACIAL DEPOSITS)		GDU		
4.00	SPT	7,10,15 17,7,6 N=45(C)				85.44	5.20					
4.00-4.45	B						(1.20)	Loose light brown fine SAND. (GLACIAL DEPOSITS)		GDU		
5.00	SPT	2,2,2 2,2,4 N=10(S)				84.24	6.40					
5.00-5.45	B						(1.80)	Very soft light reddish brown slightly sandy slightly gravelly CLAY. Gravel is fine and medium angular to rounded of various lithologies. (GLACIAL DEPOSITS)		GDU		
6.00	D											
6.50	SPT	1,0,1 0,0,2 N=3(S)				82.44	8.20					
6.50-6.95	B						(1.40)	Medium dense brown silty fine and medium SAND. (GLACIAL DEPOSITS)		GDU		
8.00	SPT	2,3,3 3,4,4 N=14(S)				81.04	9.60					
9.50-9.95	U100	74 blows No recovery					(1.70)	Firm brown slightly sandy slightly gravelly CLAY. Gravel is fine to coarse angular to rounded of various lithologies. (GLACIAL DEPOSITS)		GDU		
10.50	D											
11.00	SPT	5,4,3 2,3,3 N=11(S)				79.34	11.30					
12.00	D											
12.50-12.95	U100	63 blows No recovery				78.84	11.80					
13.00-13.50	B						(1.50)	Medium dense light brown silty fine SAND. (GLACIAL DEPOSITS)		GDU		
14.00	SPT	2,3,3 2,3,2 N=10(S)				77.34	13.30					
							(1.15)	Firm brown silty CLAY. (GLACIAL DEPOSITS)		GDU		
								Stiff brown slightly sandy slightly gravelly CLAY. Gravel is fine and medium angular to rounded of various lithologies. (GLACIAL DEPOSITS)		GDU		
						76.19	14.45					
								14.45 m bgl; Borehole terminated at 14.45m bgl				

08 WSP BH LOG WOODFORD LOGS - COMBINED -100914 - UP TO DATE VERSION.GPJ.WSPTEMPLATE1.03.GDT 11/12/14

Boring Progress						Water Strikes					
Date	Time	Depth	Casing Dpt	Dia. (mm)	Water Dpt	Date	Time	Strike	Minutes	Standing	Casing
								8.60			
Chiselling						Water Added					
From	To	Hours	Tool	From	To	General Remarks					
						Borehole complete at 14.45m bgl. No visual or olfactory evidence of contamination observed. No radiological readings above background recorded. Groundwater encountered at 8.6m bgl as groundwater. Hole installed upon completion. Response zone 8.0 to 14.0m bgl.					
Scale 1:125		Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.									



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# BOREHOLE LOG

Hole No.  
**BH105**

Project  
**Woodford Aerodrome**

Sheet  
**1 of 1**

Job No  
**70004430**

Client  
**Harrow Estates Plc**

Date  
**09-07-14  
10-07-14**

Contractor / Driller <b>Geo Site Surveys Ltd</b>	Method/Plant Used <b>Dando 2000</b>	Logged By <b>S McGeever</b>	Co-Ordinates (NGR) <b>E 389412.570 N 382235.640</b>	Ground Level (m AOD) <b>87.020</b>
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SAMPLES & TESTS						STRATA						Install / Backfill Dia. 50 mm
Depth	Type	Test Result	PID (ppmV)	HSV (kN/m <sup>2</sup> )	P Pen (kN/m <sup>2</sup> )	Elev. (mAOD)	Depth (Thickness)	Description	Legend	Geology		
						86.71	0.31	MADE GROUND: ASPHALT		GMG		
						86.57	0.45	Firm locally stiff greyish brown mottled reddish brown slightly gravelly sandy CLAY. (GLACIAL DEPOSITS)		GDU		
1.20-1.65	U100						(1.95)	Firm locally stiff reddish brown slightly sandy slightly gravelly CLAY. Gravel is fine to coarse angular to well rounded of various lithologies. (GLACIAL DEPOSITS)		GDU		
1.65-1.75	D											
2.40	SPT	3.34 5.45 N=18(S)				84.62	2.40	Light yellowish orange fine and medium SAND. (GLACIAL DEPOSITS)		GDU		
2.40-2.85	B					83.42	3.60					
3.00	SPT	2.32 2.34 N=11(S)				83.02	4.00	Stiff dark brown slightly sandy slightly gravelly CLAY. Gravel is fine and medium subangular to rounded of various lithologies. (GLACIAL DEPOSITS)		GDU		
3.00-3.45	B											
3.75	D											
4.00-4.45	U100											
4.75	D											
5.00	SPT	1.1,2 1.2,3 N=8(S)					(5.00)			GDU		
6.00	D											
6.50	SPT	1.1,1 1.2,3 N=7(S)										
7.50	D											
8.00	SPT	1.1,1 2.1,2 N=6(S)				78.02	9.00	8.00 m bgl; becoming sandy				
9.00	D					77.52	9.50	Light brown slightly silty CLAY. (GLACIAL DEPOSITS)		GDU		
9.50-9.95	U100											
9.60-10.00	B					76.72	10.30	Light brown fine SAND. (GLACIAL DEPOSITS)		GDU		
10.50	D											
11.00	SPT	1.2,2 1.3,2 N=8(S)					(2.30)	Firm light brown very silty CLAY. (GLACIAL DEPOSITS)		GDU		
12.00	D					74.42	12.60					
12.50	SPT	1.2,1 2.2,2 N=7(S)										
12.50-12.95	B						(1.85)	Loose brown fine and medium SAND. (GLACIAL DEPOSITS)		GDU		
13.50	D											
14.00	SPT	1.2,1 1.2,2 N=6(S)				72.57	14.45	Borehole terminated at 14.45m bgl				

08 WSP BH LOG WOODFORD LOGS - COMBINED -100914 - UP TO DATE VERSION.GPJ.WSPTEMPLATE1.03.GDT. 11/12/14

Boring Progress						Water Strikes					
Date	Time	Depth	Casing Dpt	Dia. (mm)	Water Dpt	Date	Time	Strike	Minutes	Standing	Casing
								2.30 10.50	20	9.60	
Chiselling			Water Added								
From	To	Hours	Tool	From	To	General Remarks					
						Borehole complete at 14.45m bgl. No visual or olfactory evidence of hydrocarbon contamination observed. No radiological readings above background recorded. Groundwater encountered at 9.5m bgl. Hole installed upon completion. Response zone from 9m to 14m bgl.					
Scale 1:125		Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.									





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# BOREHOLE LOG

Hole No.  
**BH106**

Project  
**Woodford Aerodrome**

Sheet  
**1 of 1**

Job No  
**70004430**

Client  
**Harrow Estates Plc**

Date  
**03-07-14  
04-07-14**

Contractor / Driller <b>Geo Site Surveys Ltd</b>	Method/Plant Used <b>Dando 2000</b>	Logged By <b>J Watson</b>	Co-Ordinates (NGR) <b>E 389677.940 N 381326.530</b>	Ground Level (m AOD) <b>82.220</b>
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SAMPLES & TESTS						STRATA						Install / Backfill
Depth	Type	Test Result	PID (ppmV)	HSV (kN/m <sup>2</sup> )	P Pen (kN/m <sup>2</sup> )	Elev. (mAOD)	Depth (Thickness)	Description	Legend	Geology	Dia. 50 mm	
0.20-0.40	ES		0			82.02	0.20	MADE GROUND: ASPHALT.		TARMAC		
0.50-0.60	ES		0			81.72	0.50	MADE GROUND: Sandy fine and medium sub angular GRAVEL of ash		MG		
1.20	SPT	1,1,1 1,3,3 N=8(S)		40		81.12	1.10	clinker and limestone with pockets soft clay.		GDU		
1.20-1.65	D			30			(1.90)	Brown silty fine SAND. (GLACIAL DEPOSITS)		GDU		
1.75	D							Soft locally firm low strength light brown sandy slightly gravelly CLAY.				
2.00	SPT	1,2,1 0,1,0 N=2(S)		50		79.22	3.00	Gravel is fine and medium angular to subrounded of various lithologies. (GLACIAL DEPOSITS)		GDU		
2.00-2.45	D			86		79.02	3.20	2.00 - 2.50 m bgl; soft low strength		GDU		
2.75	D							2.50 m bgl; firm medium strength				
3.00	SPT	2,3,3 2,3,2 N=10(S)		56		78.22	4.00	Stiff high strength reddish brown slightly sandy slightly gravelly CLAY.		GDU		
3.00-3.45	D			50				Gravel is fine and medium angular to rounded of various lithologies. (GLACIAL DEPOSITS)		GDU		
3.45-3.50	D					77.82	4.40			GDU		
4.00-4.45	U100	54 blows				77.52	4.70	Greyish brown gravelly medium and coarse SAND. Gravel is fine and medium occasionally coarse rounded and subrounded of various lithologies. (GLACIAL DEPOSITS)		GDU		
4.75	D											
5.00-5.45	U100	63 blows						Stiff dark brown sandy CLAY. (GLACIAL DEPOSITS)				
5.45-5.50	D							Greyish brown medium and coarse SAND and GRAVEL. Gravel is fine to coarse rounded and subrounded of various lithologies. (GLACIAL DEPOSITS)		GDU		
6.50	SPT	2,3,2 2,3,3 N=10(S)					(2.70)					
6.50-6.95	D					74.22	8.00	Stiff medium strength reddish brown slightly sandy slightly gravelly CLAY.				
6.51-6.95	D					74.02	8.20	Gravel is fine and medium angular to rounded of various lithologies. (GLACIAL DEPOSITS)		GDU		
7.50	D							Medium dense brown silty fine SAND. (GLACIAL DEPOSITS)		WLSF		
8.00	SPT	3,4,6 10,16,18 N=50/ 0.235(S)				73.16	9.06	Stiff reddish brown slightly sandy slightly gravelly CLAY. Gravel is fine and medium angular to rounded of various lithologies. (GLACIAL DEPOSITS)				
8.00-8.39	D							Very dense reddish brown fine SAND. (WEATHERED WILMSLOW SANDSTONE FORMATION)				
8.50	D							Borehole refused on competent strata at 9.06m bgl				
9.00	SPT	25,100 N=100/ 0.04(S)										

Boring Progress						Water Strikes					
Date	Time	Depth	Casing Dpt	Dia. (mm)	Water Dpt	Date	Time	Strike	Minutes	Standing	Casing
02-07-14	00.00	4.00		150				3.80	20	3.80	3.00
03-07-14	00.00	9.06									
Chiselling			Water Added			General Remarks Borehole complete at 9.06m bgl. No visual or olfactory evidence of contamination observed. No radiological readings above background recorded. Groundwater encountered at 3.8m bgl as groundwater. Hole installed upon completion. Response zone 6.0 to 9.0m bgl.					
From	To	Hours	Tool	From	To						
8	9.2	01:00	Cross chisel								

Scale 1:125

Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.



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# BOREHOLE LOG

Hole No.  
**BH107**

Project  
**Woodford Aerodrome**

Sheet  
**1 of 1**

Job No  
**70004430**

Client  
**Harrow Estates Plc**

Date  
**03-07-14  
04-07-14**

Contractor / Driller <b>Geo Site Surveys Ltd</b>	Method/Plant Used <b>Dando 2000</b>	Logged By <b>J Watson / S McGeever</b>	Co-Ordinates (NGR) <b>E 389383.510 N 381633.320</b>	Ground Level (m AOD) <b>89.350</b>
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SAMPLES & TESTS							STRATA					Install / Backfill Dia. 50 mm
Depth	Type	Test Result	PID (ppmV)	HSV (kN/m <sup>2</sup> )	P Pen (kN/m <sup>2</sup> )	Water	Elev. (mAOD)	Depth (Thickness)	Description	Legend	Geology	
0.30-0.40	ES		0				89.25	0.10	MADE GORUND: CONCRETE.		CONC	
0.50-0.60	ES						89.06	0.29	MADE GROUND: CONCRETE with 8mm diameter rebar		CONC	
1.20	SPT	1,1,2 2,2,3 N=9(S)					88.85	0.50	MADE GROUND: Dark grey and black sandy fine and medium angular to subrounded GRAVEL of ash and clinker.		MG	
1.20-1.65	D			40					Dark grey slightly clayey slightly gravelly SAND. Gravel is fine and medium angular to subangular of various lithologies (GLACIAL DEPOSITS).		GDU	
1.40-1.50	ES			60								
1.75	D								Firm medium strength reddish brown slightly sandy slightly gravelly CLAY. Gravel is fine and medium angular to rounded of various lithologies (GLACIAL DEPOSITS).		GDU	
2.00-2.45	U100	30 blows No recovery		70				(4.30)				
2.50	D			62					Firm reddish brown locally silty CLAY (GLACIAL DEPOSITS).		GDU	
3.20	SPT	1,1,2 3,3,4 N=12(S)		80								
3.20-3.65	D						83.75	5.60	Firm reddish brown locally silty CLAY (GLACIAL DEPOSITS).		GDU	
3.75	D											
4.00-4.45	U100								Firm reddish brown locally silty CLAY (GLACIAL DEPOSITS).		GDU	
5.00	SPT	2,2,3 2,3,4 N=12(S)						(2.50)				
5.00-5.45	D								Medium dense orangish brown SAND (GLACIAL DEPOSITS).		GDU	
5.75	D											
6.50-7.00	B								Medium dense orangish brown SAND (GLACIAL DEPOSITS).		GDU	
6.50-6.95	U100											
7.50	D						81.25	8.10	Medium dense orangish brown SAND (GLACIAL DEPOSITS).		GDU	
8.00	SPT	2,3,3 2,3,2 N=10(S)						(1.30)				
8.00-8.45	D								Medium dense orangish brown slightly clayey slightly silty SAND (GLACIAL DEPOSITS).		GDU	
8.00-8.45	B											
9.00	D								Medium dense orangish brown slightly clayey slightly silty SAND (GLACIAL DEPOSITS).		GDU	
9.50-9.95	SPT	2,1,2 3,2,3 N=10(S)						(3.05)				
10.50	D								Borehole terminated at 12.45m bgl		GDU	
11.00	SPT	3,3,3 3,3,3 N=12(S)										
11.00-11.45	D						76.90	12.45	Borehole terminated at 12.45m bgl		GDU	
11.00-11.45	B											
12.00	SPT	2,3,3 2,3,4 N=12(S)							Borehole terminated at 12.45m bgl		GDU	
12.00-12.45	D											

08 WSP BH LOG WOODFORD LOGS - COMBINED -100914 - UP TO DATE VERSION.GPJ.WSPTEMPLATE1.03.GDT 11/12/14

Boring Progress						Water Strikes					
Date	Time	Depth	Casing Dpt	Dia. (mm)	Water Dpt	Date	Time	Strike	Minutes	Standing	Casing
								8.50			
Chiselling			Water Added			General Remarks Borehole complete at 12.45m bgl. No visual or olfactory evidence of contamination observed. No radiological readings above background recorded. Groundwater encountered at 8.50m bgl as groundwater. Dual installation upon completion to target deep groundwater and ground gas. Response zones 1.0 to 4.0m and 7.0 to 12.0m bgl.					
From	To	Hours	Tool	From	To						
Scale 1:125		Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.									



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# BOREHOLE LOG

Hole No.  
**BH108**

Project  
**Woodford Aerodrome**

Sheet  
**1 of 1**

Job No  
**70004430**

Client  
**Harrow Estates Plc**

Date  
**07-07-14  
08-07-14**

Contractor / Driller <b>Geo Site Surveys Ltd</b>	Method/Plant Used <b>Dando 2000</b>	Logged By <b>J Watson / S McGeever</b>	Co-Ordinates (NGR) <b>E 389541.340 N 381810.180</b>	Ground Level (m AOD) <b>85.250</b>
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SAMPLES & TESTS						STRATA						Install / Backfill
Depth	Type	Test Result	PID (ppmV)	HSV (kN/m2)	P Pen (kN/m2)	Elev. (mAOD)	Depth (Thickness)	Description	Legend	Geology	Dia. 50 mm	
0.20-0.40	ES		0			85.15	0.10	MADE GROUND: ASPHALT.		TARMAC		
						85.05	0.20	MADE GROUND: CONCRETE.		CONC		
						84.35	0.90			MG		
1.00-1.20	ES		0			83.85	1.40	MADE GROUND: Sandy clayey fine to coarse GRAVEL of sandstone, concrete, brick and limestone with occasional cobbles.		PEAT		
1.20-1.65	U100	13 blows										
1.75	D											
2.00	SPT	1,0,1 2,2,2 N=7(S)					(1.90)	Soft reddish brown slightly clayey pseudofibrous PEAT. (SUPERFICIAL DEPOSITS)				
								Firm light greyish blue silty CLAY. (GLACIAL DEPOSITS)		GDU		
2.00-2.45	D					81.95	3.30					
2.75	D											
3.00	SPT	1,1,2 1,3,4 N=10(S)				80.85	4.40	Medium dense fine to coarse SAND and fine to coarse subangular to rounded GRAVEL. (GLACIAL DEPOSITS)		GDU		
3.00-3.50	B											
3.05-3.45	D											
4.00	SPT	3,2,3 3,4,4 N=14(S)				80.15	5.10	Reddish brown slightly gravelly CLAY. Gravel is fine and medium subrounded. (GLACIAL DEPOSITS)		GDU		
								Firm light brown silty CLAY with occasional lenses of orange brown fine and medium sand. (GLACIAL DEPOSITS)				
4.75	D											
5.00-5.45	U100	36 blows No Recovery					(4.50)			GDU		
5.75	D											
6.50	SPT	1,1,2 1,2,2 N=7(S)										
6.50-6.95	D											
7.50	D											
8.00	SPT	2,1,1 1,1,2 N=5(S)				75.65	9.60					
8.00-8.45	D							Stiff and very stiff dark brown CLAY with occasional sand bands. (GLACIAL DEPOSITS)				
9.00	D											
9.50	SPT	3,3,4 5,3,5 N=17(S)					(3.90)			GDU		
9.50-9.95	D											
10.50	D											
11.00	SPT	4,4,5 6,16,21 N=48(S)										
11.00-11.45	D											
12.00	D					71.75	13.50					
12.50	SPT	4,5,5 6,8,9 N=28(S)						Borehole terminated at 13.5m bgl				
12.50-12.95	D											
13.00	D											

08 WSP BH LOG WOODFORD LOGS - COMBINED -100914 - UP TO DATE VERSION.GPJ.WSPTEMPLATE1.03.GDT. 11/12/14

Boring Progress						Water Strikes					
Date	Time	Depth	Casing Dpt	Dia. (mm)	Water Dpt	Date	Time	Strike	Minutes	Standing	Casing
								1.20			
								6.50			
Chiselling						Water Added					
From	To	Hours	Tool	From	To	General Remarks					
						Borehole complete at 13.50m bgl. No visual or olfactory evidence of contamination observed. No radiological readings above background recorded. Groundwater encountered at 1.2m bgl as seepage and at 6.5m bgl as groundwater. Hole installed upon completion. Response zone 10.5 to 13.5m bgl.					
Scale 1:125		Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.									



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# BOREHOLE LOG

Hole No.  
**BH109**

Project  
**Woodford Aerodrome**

Sheet  
**1 of 1**

Job No  
**70004430**

Client  
**Harrow Estates Plc**

Date  
**01-07-14  
02-07-14**

Contractor / Driller <b>Geo Site Surveys Ltd</b>	Method/Plant Used <b>Dando 2000</b>	Logged By <b>S McGeever</b>	Co-Ordinates (NGR) <b>E 389641.120 N 382034.510</b>	Ground Level (m AOD) <b>85.820</b>
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SAMPLES & TESTS						STRATA					Install / Backfill Dia. 50 mm
Depth	Type	Test Result	PID (ppmV)	HSV (kN/m <sup>2</sup> )	P Pen (kN/m <sup>2</sup> )	Elev. (mAOD)	Depth (Thickness)	Description	Legend	Geology	
0.20	ES					85.73	0.09	MADE GROUND: Grass over brown CLAY. (TOPSOIL)		TS	
0.80	ES					84.82	1.00	MADE GROUND: Dark brown mottled black gravelly SAND. Gravel is fine and medium of ash, coal, slag and clinker (MADE GROUND)		GMG	
1.20-1.65	ES	12 blows 100% Recovery					(1.90)	Firm to stiff reddish brown mottled light grey slightly sandy gravelly CLAY. (GLACIAL DEPOSITS)		GDU	
1.65-1.70	D					82.92	2.90	Loose light brown fine SAND. (GLACIAL DEPOSITS)		GDU	
2.00	SPT	3,3,3 2,3,3 N=11(S)									
2.75	D							Firm dark brown, slightly sandy, gravelly CLAY. Gravel is fine to coarse sunbrowned to well rounded of various lithologies. (GLACIAL DEPOSITS) Stiff dark brown gravelly CLAY. (GLACIAL DEPOSITS)		GDU	
3.00	SPT	1,0,1 1,2,2 N=6(S)									
3.75	D							Soft to firm light brown CLAY (GLACIAL DEPOSITS)		GDU	
4.00	SPT	1,1,2 1,2,2 N=7(S)									
4.75	D							Light brown slightly sandy slightly gravelly CLAY. Gravel is coarse of various lithologies. (GLACIAL DEPOSITS)		GDU	
5.00-5.45	U100	29 blows 0% Recovery									
6.00	D							Borehole terminated at 14m bgl			
6.50-6.95	U100	38 blows 70% Recovery									
7.50	D										
8.50	SPT	2,2,3 2,3,4 N=12(S)									
9.50-9.95	U100	34 blows 70% Recovery									
10.50	D										
11.00	SPT	2,1,1 2,2,2 N=7(S)									
12.00	D										
12.50	SPT	2,6,6 9,9,10 N=34(S)									
13.00-13.50	B										
14.00	SPT	3,2,1 3,3,3 N=10(C)									

08 WSP BH LOG WOODFORD LOGS - COMBINED -100914 - UP TO DATE VERSION.GPJ.WSPTEMPLATE1.03.GDT. 11/12/14

Boring Progress						Water Strikes					
Date	Time	Depth	Casing Dpt	Dia. (mm)	Water Dpt	Date	Time	Strike	Minutes	Standing	Casing
								5.20	20	3.80	
								12.80	20	6.10	
Chiselling			Water Added								
From	To	Hours	Tool	From	To	General Remarks					
						Borehole complete at 14.00m bgl. No visual or olfactory evidence of contamination observed. No radiological readings above background recorded. Groundwater encountered at 5.2m bgl and 12.80m bgl as groundwater. Hole installed upon completion. Response zone 8.00 to 14.00m bgl.					
Scale 1:125		Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.									



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# BOREHOLE LOG

Hole No.  
**BH110**

Project  
**Woodford Aerodrome**

Sheet  
**1 of 1**

Job No  
**70004430**

Client  
**Harrow Estates Plc**

Date  
**30-06-14  
01-07-14**

Contractor / Driller <b>Geo Site Surveys Ltd</b>	Method/Plant Used <b>Dando 2000</b>	Logged By <b>S McGeever</b>	Co-Ordinates (NGR) <b>E 389691.170 N 382286.990</b>	Ground Level (m AOD) <b>87.330</b>
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SAMPLES & TESTS						STRATA						Install / Backfill Dia. 50 mm
Depth	Type	Test Result	PID (ppmV)	HSV (kN/m <sup>2</sup> )	P Pen (kN/m <sup>2</sup> )	Elev. (mAOD)	Depth (Thickness)	Description	Legend	Geology		
0.20	ES					86.98	0.35	Grass over brown slightly clayey, slightly gravelly, fine to medium SAND (TOPSOIL)		TS		
1.20	SPT	1,2,2 3,3,4 N=12(S)					(2.65)	Medium dense light brown gravelly fine SAND. Gravel is fine and medium subrounded and rounded of various lithologies. (GLACIAL DEPOSITS)		GDU		
1.20-1.65	B											
2.00	SPT	3,3,3 2,3,4 N=12(S)				84.33	3.00	Dark brown slightly sandy, gravelly CLAY. (GLACIAL DEPOSITS)		GDU		
2.00-2.45	B						(1.10)					
3.00	SPT	2,3,2 2,3,3 N=10(S)				83.23	4.10	Light brown slightly sandy, silty, CLAY (GLACIAL DEPOSITS)		GDU		
3.10	ES											
3.75	D											
4.00-4.45	U100	0%					(2.10)					
4.75	D											
5.00	SPT	1,0,1 0,2,2 N=5(S)				81.13	6.20	Stiff dark brown slightly silty CLAY. (GLACIAL DEPOSITS)		GDU		
5.00-5.45	B											
6.50-6.95	U100	0%										
7.50	D											
8.00	SPT	2,3,3 3,4,5 N=15(S)					(4.20)					
9.00	D											
9.50	U100	95%										
9.95-10.00	D											
						76.93	10.40					
						76.63	10.70	Stiff light brown CLAY (GLACIAL DEPOSITS)		GDU		
11.00	SPT	3,5,5 6,8,9 N=28(S)						Medium dense light brownish yellow gravelly, SAND. Gravel is fine to coarse, subrounded to well rounded of various lithologies. (GLACIAL DEPOSITS)		GDU		
12.00	D						(3.30)					
12.50	SPT	2,3,3 5,3,4 N=15(S)										
13.50	D											
14.00	SPT	3,2,3 4,4,5 N=16(C)				73.33	14.00	Borehole terminated at 14m bgl				
14.00	D											

08 WSP BH LOG WOODFORD LOGS - COMBINED -100914 - UP TO DATE VERSION.GPJ.WSPTEMPLATE1.03.GDT 11/12/14

Boring Progress						Water Strikes					
Date	Time	Depth	Casing Dpt	Dia. (mm)	Water Dpt	Date	Time	Strike	Minutes	Standing	Casing
								11.50	10	7.50	
Chiselling						Water Added					
From	To	Hours	Tool	From	To	General Remarks Borehole complete at 14.00m bgl. No visual or olfactory evidence of contamination observed. No radiological readings above background recorded. Groundwater encountered at 11.50m bgl as groundwater. Hole installed upon completion. Response zone 9.00 to 14.00m bgl.					
Scale 1:125		Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.									



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# BOREHOLE LOG

Hole No.  
**BH111**

Project  
**Woodford Aerodrome**

Sheet  
**1 of 1**

Job No  
**70004430**

Client  
**Harrow Estates Plc**

Date  
**11-07-14  
11-07-14**

Contractor / Driller <b>Geo Site Surveys Ltd</b>	Method/Plant Used <b>Dando 2000</b>	Logged By <b>S McGeever</b>	Co-Ordinates (NGR) <b>E 390050.210 N 382505.270</b>	Ground Level (m AOD) <b>87.330</b>
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SAMPLES & TESTS							STRATA					Install / Backfill Dia. 50 mm
Depth	Type	Test Result	PID (ppmV)	HSV (kN/m <sup>2</sup> )	P Pen (kN/m <sup>2</sup> )	Water	Elev. (m AOD)	Depth (Thickness)	Description	Legend	Geology	
							87.18	0.15	TOPSOIL: Brown clayey SAND with rootlets.		TS	
								(1.15)	Stiff light brownish grey CLAY.		GDU	
1.00-1.45	U100						86.03	1.30	Loose light brown fine SAND.			
1.45-1.55	D											
2.00	SPT	1,2,2 2,1,1 N=6(S)										
2.00-2.45	B											
3.00	SPT	1,2,1 1,1,1 N=4(S)										
3.00-3.45	B											
4.00	SPT	1,1,1 1,2,2 N=6(S)										
4.45-5.00	B											
5.00	SPT	1,2,2 1,2,2 N=7(S)										
6.50	SPT	1,1,2 1,2,3 N=8(S)					80.23	7.10	Stiff reddish brown slightly gravelly slightly sandy CLAY with occasional silty pockets.		GDU	
7.50	D						79.43	7.90	Light brown fine SAND.			
8.00	SPT	(S)										
8.50-9.00	B											
9.50	SPT	1,2,2 1,2,3 N=8(S)										
10.50-11.00	B								10.50 - 11.50 m bgl; band of gravel.			
11.00	SPT	3,4,2 2,1,2 N=7(S)										
11.50-12.00	B						75.33	12.00	Borehole terminated at 12m bgl			
12.00	SPT	2,3,2 1,3,3 N=9(S)										

08 WSP BH LOG WOODFORD LOGS - COMBINED -100914 - UP TO DATE VERSION.GPJ.WSPTEMPLATE1.03.GDT. 11/12/14

Boring Progress						Water Strikes					
Date	Time	Depth	Casing Dpt	Dia. (mm)	Water Dpt	Date	Time	Strike	Minutes	Standing	Casing
								8.00	20	5.20	
Chiselling			Water Added								
From	To	Hours	Tool	From	To	General Remarks					
						Borehole complete at 12.00m bgl. No visual or olfactory evidence of contamination observed. No radiological readings above background recorded. Groundwater encountered at 9.50m bgl as groundwater. Hole installed upon completion. Response zone 9 - 12 m bgl.					
Scale 1:125		Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.									



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# BOREHOLE LOG

Hole No.  
**BH112**

Project  
**Woodford Aerodrome**

Sheet  
**1 of 1**

Job No  
**70004430**

Client  
**Harrow Estates Plc**

Date  
**11-07-14  
14-07-14**

Contractor / Driller <b>Geo Site Surveys Ltd</b>	Method/Plant Used <b>Dando 2000</b>	Logged By <b>S McGeever</b>	Co-Ordinates (NGR) <b>E 389932.030 N 382102.010</b>	Ground Level (m AOD) <b>85.060</b>
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SAMPLES & TESTS							STRATA					Install / Backfill Dia. 50 mm
Depth	Type	Test Result	PID (ppmV)	HSV (kN/m <sup>2</sup> )	P Pen (kN/m <sup>2</sup> )	Water	Elev. (mAOD)	Depth (Thickness)	Description	Legend	Geology	
							84.76	0.30	Brown sandy CLAY with rootlets (TOPSOIL)		TS	
1.00-1.45	U100							(1.20)	Stiff light brown occasionally grey slightly gravelly CLAY. Gravel is fine and medium, subrounded and rounded. (GLACIAL DEPOSITS)		GDU	
1.45-1.50	D						83.56	1.50	Loose fine light brown SAND (GLACIAL DEPOSITS)		GDU	
2.00	SPT	1,1,2 1,2,1 N=6(S)										
2.50-3.00	B											
3.00	SPT	1,1,1 2,2,1 N=6(S)						(4.80)				
4.00	SPT	1,1,1 1,2,2 N=6(S)										
4.50-5.00	B											
5.00	SPT	1,2,1 1,2,2 N=6(S)										
6.30	D						78.76	6.30	Firm light brown, gravelly CLAY, with occasional pockets of brown medium sand. (GLACIAL DEPOSITS)		GDU	
6.50-6.95	U100											
7.50	D											
8.00	SPT	2,3,4 4,5,5 N=18(S)										
9.50	SPT	1,2,2 1,1,1 N=5(S)					75.76	9.30	Loose becoming medium dense light brownish red fine SAND (GLACIAL DEPOSITS)		GDU	
9.50-9.95	B											
11.00	SPT	2,3,3 3,4,4 N=14(S)										
12.00	SPT	3,3,5 4,4,4 N=17(S)					73.06	12.00	Borehole terminated at 12m bgl			

08 WSP BH LOG WOODFORD LOGS - COMBINED -100914 - UP TO DATE VERSION.GPJ.WSPTEMPLATE1.03.GDT 11/12/14

Boring Progress						Water Strikes					
Date	Time	Depth	Casing Dpt	Dia. (mm)	Water Dpt	Date	Time	Strike	Minutes	Standing	Casing
								9.50			
Chiselling			Water Added			General Remarks Borehole complete at 12.00m bgl. No visual or olfactory evidence of contamination observed. No radiological readings above background recorded. Groundwater encountered at 9.50m bgl as groundwater. Hole installed upon completion. Response zone 7 to 12m bgl.					
From	To	Hours	Tool	From	To						
Scale 1:125		Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.									



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# TRIAL PIT LOG

Hole No.  
**ST1**

Project  
Woodford Aerodrome

Sheet  
1 of 1

Job No  
70004430

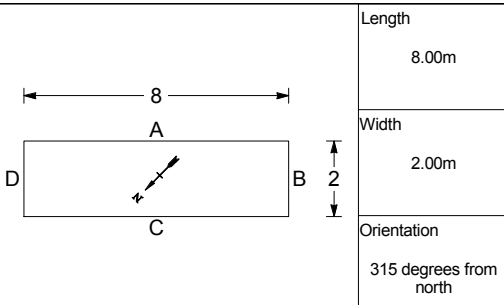
Client  
Harrow Estates Plc

Date  
21-08-14  
21-08-14

Contractor / Driller Electricity Northwest	Method/Plant Used Unknown	Logged By David Duncan	Co-Ordinates (NGR) E 389429.000 N 382446.000	Ground Level (m AOD)
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SAMPLES & TESTS						STRATA				Install / Backfill
Depth	Type	PID (ppmV)	HSV (kNm <sup>2</sup> )	P.Pen (kNm <sup>2</sup> )	Water	Elev. (mAOD)	Depth (Thickness)	Description	Legend	
							0.15	MADE GROUND: Concrete Slab		MG
							0.45	MADE GROUND: Orangish brown sandy GRAVEL with occasional cobbles.		MG
							0.60	MADE GROUND: Greyish brown sandy gravelly CLAY		MG
0.80-1.00	ES	1						0.90 - 1.10 m bgl Pitch-like substance and ashy material encountered in the re-worked clay. Very mild tar odour.		MG
1.00-1.10	ES	1					(1.30)			
1.10-1.80	ES	0								
							1.90	MADE GROUND: Red Gravelly SAND (Pipe bed)		MG
1.90-2.10	ES	0					2.10			

08 WSP TP LOG STANDARD WOODFORD LOGS - COMBINED-100914 - UP TO DATE VERSION GPJ WSPTEMPLATE1.03.GDT 11/12/14



Length  
8.00m

Width  
2.00m

Orientation  
315 degrees from north

Shoring/Support:

Stability:

Water Strikes					
Date	Time	Strike	Minutes	Standing	Remarks

**General Remarks**  
Trench previously dug by Electricity Northwest related to a diversion of an HV cable. Contractors encountered contamination in trench and WSP engineer attended site.

PID Reading at 0.8m-1.0mbgl = 0.2ppm  
PID Reading at 1.0m-1.1mbgl = 0.8ppm

Scale 1:37.5

Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.





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# TRIAL PIT LOG

Hole No.  
**TP101**

Project  
**Woodford Aerodrome**

Sheet  
**1 of 1**

Job No  
**70004430**

Client  
**Harrow Estates Plc**

Date  
**30-06-14  
30-06-14**

Contractor / Driller <b>H &amp; C Plant Hire Ltd</b>	Method/Plant Used <b>JCB 3CX</b>	Logged By <b>J Watson</b>	Co-Ordinates (NGR) <b>E 389484.050 N 382850.130</b>	Ground Level (m AOD) <b>91.270</b>
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SAMPLES & TESTS						STRATA					Install / Backfill
Depth	Type	PID (ppmV)	HSV (kN/m <sup>2</sup> )	P Pen (kN/m <sup>2</sup> )	Water	Elev. (mAOD)	Depth (Thickness)	Description	Legend	Geology	
						91.19	0.08	MADE GROUND: ASPHALT.		MG	
0.20-0.30	ES	0					(0.52)	MADE GROUND: Brown sandy cobbly fine and coarse subangular and subrounded GRAVEL with frequent cobbles of limestone.		MG	
0.60-0.70	ES	0				90.67	0.60	MADE GROUND: Brown clayey silty slightly gravelly fine SAND. Gravel is fine angular of brick and carbonaceous material.		MG	
						90.57	0.70				
0.80-0.90	ES	0	89				(0.70)	Stiff reddish brown mottled grey slightly sandy slightly gravelly CLAY. Gravel is fine and medium angular to rounded of various lithologies. (GLACIAL DEPOSITS)		GDU	
0.90-1.00	D										
1.40-1.60	B					89.87	1.40	Reddish brown clayey fine SAND (GLACIAL DEPOSITS).		GDU	
1.60-1.80	D					89.67	1.60	Stiff high strength reddish brown mottled grey slightly sandy slightly gravelly CLAY. Gravel is fine and medium angular to rounded of various lithologies. (GLACIAL DESPOSITS)		GDU	
			63			89.47	1.80				
							(1.10)	Orange brown medium and coarse SAND. (GLACIAL DEPOSITS)		GDU	
						88.37	2.90	Trial pit complete at 2.9m bgl			

08 WSP TP LOG STANDARD WOODFORD LOGS - COMBINED-100914 - UP TO DATE VERSION GPJ WSPTEMPLATE1.03.GDT 11/12/14

	Length	3.00m	Shoring/Support: None	Water Strikes					
	Width	1.00m		Stability: Stable	Date	Time	Strike	Minutes	Standing
	Orientation	degrees from north				1.85			
Scale 1:25				Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.					
				<b>General Remarks</b> Trial pit complete at 2.90m bgl. No visual or olfactory evidence of contamination observed. No radiological readings above background recorded. Groundwater encountered as seepage at 1.85m bgl. Hole backfilled upon completion.					



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# TRIAL PIT LOG

Hole No.  
**TP102**

Project  
Woodford Aerodrome

Sheet  
1 of 1

Job No  
70004430

Client  
Harrow Estates Plc

Date  
30-06-14  
30-06-14

Contractor / Driller H & C Plant Hire Ltd	Method/Plant Used JCB 3CX	Logged By J Watson	Co-Ordinates (NGR) E 389556.560 N 382881.710	Ground Level (m AOD) 92.220
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SAMPLES & TESTS						STRATA				Install / Backfill					
Depth	Type	PID (ppmV)	HSV (kN/m <sup>2</sup> )	P Pen (kN/m <sup>2</sup> )	Water	Elev. (mAOD)	Depth (Thickness)	Description	Legend		Geology				
0.20-0.40	ES	0				92.16	0.06	MADE GROUND: ASPHALT.		MG					
						92.02	0.20	MADE GROUND: Brown sandy cobbly fine to coarse subangular to subrounded GRAVEL of limestone.		MG					
						91.82	0.40	MADE GROUND: Reddish brown fine to coarse GRAVEL and COBBLES of whole and broken brick.		MG					
91.77	0.45	MADE GROUND: Yellow medium and coarse SAND.		MG											
91.65	0.57	MADE GROUND: Dark grey and black sandy fine and medium GRAVEL of ash and clinker.		MG											
0.50-0.60	ES	0				91.42	0.80	MADE GROUND: Soft low strength brown sandy slightly gravelly CLAY. Gravel is fine and medium of brick.		MG					
0.60-0.80	ES	0	28				(0.23)	Soft low strength dark brown very sandy CLAY with root matter. (RELICT TOPSOIL)		SUPD					
0.80-1.00	D						(0.30)			SUPD					
							31								
							54								
1.60-1.70	D						(1.65)	Firm locally soft greenish grey medium strength sandy slightly gravelly CLAY. Gravel is fine and medium of various lithologies. (GLACIAL DEPOSITS)		GDU					
							50								
2.20-2.40	D							2.00 Becoming stiff high strength clay.		GDU					
							59								
			94												
			111												
						89.47	2.75	Trial pit complete at 2.75m bgl							

08 WSP TP LOG STANDARD WOODFORD LOGS - COMBINED - 100914 - UP TO DATE VERSION GPJ WSPTEMPLATE1.03.GDT 11/12/14

	Length	3.00m	Shoring/Support: None	Water Strikes					
	Width	1.00m		Stability: Stable	Date	Time	Strike	Minutes	Standing
	Orientation	degrees from north	General Remarks Trial pit complete at 2.75m bgl. No visual or olfactory evidence of contamination observed. No radiological readings above background recorded. Groundwater not encountered. Hole backfilled upon completion.						
Scale 1:25	Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.								



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# TRIAL PIT LOG

Hole No.  
**TP103**

Project  
**Woodford Aerodrome**

Sheet  
**1 of 1**

Job No  
**70004430**

Client  
**Harrow Estates Plc**

Date  
**30-06-14  
30-06-14**

Contractor / Driller <b>H &amp; C Plant Hire Ltd</b>	Method/Plant Used <b>JCB 3CX</b>	Logged By <b>J Watson</b>	Co-Ordinates (NGR) <b>E 389614.850 N 382875.890</b>	Ground Level (m AOD) <b>90.750</b>
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SAMPLES & TESTS						STRATA				Install / Backfill	
Depth	Type	PID (ppmV)	HSV (kN/m <sup>2</sup> )	P Pen (kN/m <sup>2</sup> )	Water	Elev. (mAOD)	Depth (Thickness)	Description	Legend		Geology
0.30-0.40	ES	170				90.66	0.09	MADE GROUND: ASPHALT.		MG	
						90.50	0.25	MADE GROUND: Light grey re-reinforced CONCRETE with 9mm rebar		CONC	
0.60-0.70	ES	6				(0.30)		MADE GROUND: Brown sandy cobbly fine to coarse GRAVEL of sandstone with a strong hydrocarbon odour.		MG	
						90.20	0.55				
0.80-0.90	ES	0	97			(0.20)		PROBABLE MADE GROUND: Red brown fine SAND with a slight hydrocarbon odour.		MG	
						90.00	0.75				
1.00-1.20	D		90			(0.55)		Stiff light grey mottled orange brown high strength sandy slightly gravelly CLAY with no odour. Gravel is fine angular of various lithologies. (GLACIAL DEPOSITS)		GDU	
						89.45	1.30				
1.30-1.50	D ES		44			(0.20)		Firm medium strength dark reddish grey fissured slightly sandy slightly gravelly CLAY. Gravel is fine angular of various lithologies. (GLACIAL DEPOSITS)		GDU	
						89.25	1.50				
1.60-1.80	D		51			(1.10)		Firm reddish brown medium strength slightly sandy slightly gravelly CLAY. Gravel is fine angular occasionally medium and coarse rounded of various lithologies. (GLACIAL DEPOSITS)		GDU	
2.50-2.60	D		88					2.40 Stiff high strength clay			
						88.15	2.60				
								Trial pit complete at 2.6m bgl			

08 WSP TP LOG STANDARD WOODFORD LOGS - COMBINED-100914 - UP TO DATE VERSION GPJ WSPTEMPLATE1.03.GDT 11/12/14

	Length 3.00m	Shoring/Support: None	Water Strikes					
	Width 1.00m		Date	Time	Strike	Minutes	Standing	Remarks
	Orientation degrees from north	Stability: Stable	General Remarks Trial pit complete at 2.6m bgl. Olfactory evidence of hydrocarbon contamination observed between 0.25 to 0.75m bgl. No radiological readings above background recorded. Groundwater not encountered. Hole backfilled upon completion.					
Scale 1:25	Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.							



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# TRIAL PIT LOG

Hole No.  
**TP104**

Project  
Woodford Aerodrome

Sheet  
1 of 1

Job No  
70004430

Client  
Harrow Estates Plc

Date  
30-06-14  
30-06-14

Contractor / Driller H & C Plant Hire Ltd	Method/Plant Used JCB 3CX	Logged By S Weston	Co-Ordinates (NGR) E 389715.840 N 382882.290	Ground Level (m AOD) 91.690
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SAMPLES & TESTS						STRATA					Install / Backfill
Depth	Type	PID (ppmV)	HSV (kN/m <sup>2</sup> )	P.Pen (kN/m <sup>2</sup> )	Water	Elev. (mAOD)	Depth (Thickness)	Description	Legend	Geology	
						91.59	0.10	MADE GROUND: ASPHALT.		GMG	
						91.49	0.20	MADE GROUND: Light brown sandy angular medium to coarse GRAVEL		GMG	
						91.36	0.33	MADE GROUND: Black ASH.		GMG	
0.35-0.50	ES	0						MADE GROUND: Firm brownish grey slightly gravelly CLAY. Gravel is fine of brick.		GMG	
0.60-0.70	ES	0									
0.70-0.80	D										
						(1.47)					
1.20	D										
1.80-1.90	D					89.89	1.80	MADE GROUND: Stiff brown grey mottled CLAY.		GMG	
						(0.60)					
2.40-2.55	D					89.29	2.40	MADE GROUND: Soft brown slightly silty slightly sandy clay with many rootlets and rare wire rope		GMG	
						89.14	2.55	Firm grey slightly sandy CLAY with rare pockets of brown fine sand. (GLACIAL DEPOSITS)		GMG	
2.70-2.80	D						(0.85)			GDU	
3.20-3.30	ES	0				88.29	3.40	Trial pit terminated at 3.4m bgl			

08 WSP TP LOG STANDARD WOODFORD LOGS - COMBINED - 100914 - UP TO DATE VERSION GPJ WSPTEMPLATE1.03.GDT 11/12/14

	Length 3.00m	Shoring/Support: None	Water Strikes					
	Width 1.00m		Stability: Stable	Date	Time	Strike	Minutes	Standing
	Orientation degrees from north	General Remarks Trial pit complete at 3.40m bgl. No visual or olfactory evidence of contamination observed. No radiological readings above background recorded. Groundwater not encountered. Hole backfilled upon completion.						
Scale 1:25	Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.							



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# TRIAL PIT LOG

Hole No.  
**TP105**

Project  
Woodford Aerodrome

Sheet  
1 of 1

Job No  
70004430

Client  
Harrow Estates Plc

Date  
30-06-14  
30-06-14

Contractor / Driller H & C Plant Hire Ltd	Method/Plant Used JCB 3CX	Logged By J Watson	Co-Ordinates (NGR) E 389726.240 N 382847.460	Ground Level (m AOD) 91.340
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SAMPLES & TESTS						STRATA					Install / Backfill	
Depth	Type	PID (ppmV)	HSV (kNm <sup>2</sup> )	P Pen (kNm <sup>2</sup> )	Water	Elev. (mAOD)	Depth (Thickness)	Description	Legend	Geology		
0.20-0.30	ES					91.24	0.10	MADE GROUND: ASPHALT.		TARMAC		
						91.14	0.20	MADE GROUND: Orange brown sandy fine to coarse angular to subangular GRAVEL of limestone.		MG		
						(0.26)		MADE GROUND: Dark grey and black sandy fine and medium GRAVEL of ash and clinker.		MG		
0.50-0.60	ES					90.88	0.46	MADE GROUND: Firm medium strength dark brown sandy slightly gravelly CLAY. Gravel is fine and medium of brick ash clinker vesicular slag				
0.80-0.90	D		43									
			55									
1.50-1.60	D					(2.44)						
								1.80 Wire rope				
2.50-2.60	D											
2.90-3.00	ES					88.44	2.90					
						88.34	3.00	Firm dark brown sandy CLAY with root matter (POSSIBLE RELICT TOPSOIL)		SUPD		
						88.24	3.10	Firm reddish brown sandy slightly gravelly CLAY. Gravel is fine and medium of various lithologies. (GLACIAL DEPOSITS)		GDU		
								Trial pit complete at 3.1m bgl				

08 WSP TP LOG STANDARD WOODFORD LOGS - COMBINED-100914 - UP TO DATE VERSION GPJ WSPTEMPLATE1.03.GDT 11/12/14

	Length 3.00m	Shoring/Support: None	Water Strikes					
	Width 1.00m		Stability: Stable	Date	Time	Strike	Minutes	Standing
	Orientation degrees from north	General Remarks Trial pit complete at 3.1m bgl. No visual or olfactory evidence of contamination observed. No radiological readings above background recorded. Groundwater not encountered. Hole backfilled upon completion.						
Scale 1:25	Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.							



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# TRIAL PIT LOG

Hole No.  
**TP106**

Project  
**Woodford Aerodrome**

Sheet  
**1 of 1**

Job No  
**70004430**

Client  
**Harrow Estates Plc**

Date  
**01-07-14  
01-07-14**

Contractor / Driller <b>H &amp; C Plant Hire Ltd</b>	Method/Plant Used <b>JCB 3CX</b>	Logged By <b>J Watson</b>	Co-Ordinates (NGR) <b>E 389699.550 N 382740.990</b>	Ground Level (m AOD) <b>90.530</b>
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SAMPLES & TESTS						STRATA				Install / Backfill	
Depth	Type	PID (ppmV)	HSV (kNm <sup>2</sup> )	P Pen (kNm <sup>2</sup> )	Water	Elev. (mAOD)	Depth (Thickness)	Description	Legend		Geology
						90.44	0.09	MADE GROUND: ASPHALT.		TARMAC	
						90.30	0.23	MADE GROUND: CONCRETE.		CONC	
						90.23	0.30	MADE GROUND: Light grey sandy medium and coarse subangular GRAVEL.		MG	
0.60-0.70	ES	0					(0.50)	MADE GROUND: reddish brown sandy cobbly fine to coarse angular GRAVEL of broken and whole brick.		MG	
0.80-0.90	ES	0	30			89.73	0.80	MADE GROUND: Soft low strength dark grey sandy gravelly CLAY. Gravel is fine and medium of brick and cobbles of sandstone.		MG	
							(0.50)			MG	
1.50-1.60 1.60-1.70	ES D		64			89.23	1.30	MADE GROUND: Firm medium strength dark greyish brown slightly sandy slightly gravelly CLAY. Gravel is fine and medium angular to rounded of various lithologies.		CMG	
							(1.40)			CMG	
2.50-2.60	D		75			87.83	2.70				
						87.78	2.75	Firm dark brown amorphous clayey PEAT. (PROBABLE RELICT TOPSOIL)		SUPD	
						87.63	2.90	Firm medium strength brown slightly sandy slightly gravelly CLAY. Gravel is fine and medium angular to rounded of various lithologies. (GLACIAL DEPOSITS)		GDU	
								Trial pit complete at 2.9m bgl			

08 WSP TP LOG STANDARD WOODFORD LOGS - COMBINED - 100914 - UP TO DATE VERSION GPJ WSPTEMPLATE1.03.GDT 11/12/14

	Length	3.00m	Shoring/Support: None	Water Strikes					
	Width	1.00m		Stability: Stable	Date	Time	Strike	Minutes	Standing
	Orientation	degrees from north				0.80			
Scale 1:25				Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.					
				<b>General Remarks</b> Trial pit complete at 2.9m bgl. No visual or olfactory evidence of contamination observed. No radiological readings above background recorded. Groundwater encountered at 0.8m bgl. Hole backfilled upon completion.					



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# TRIAL PIT LOG

Hole No.  
**TP107**

Project  
**Woodford Aerodrome**

Sheet  
**1 of 1**

Job No  
**70004430**

Client  
**Harrow Estates Plc**

Date  
**01-07-14  
01-07-14**

Contractor / Driller <b>H &amp; C Plant Hire Ltd</b>	Method/Plant Used <b>JCB 3CX</b>	Logged By <b>J Watson</b>	Co-Ordinates (NGR) <b>E 389783.660 N 382741.560</b>	Ground Level (m AOD) <b>91.180</b>
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SAMPLES & TESTS						STRATA					Install / Backfill
Depth	Type	PID (ppmV)	HSV (kNm <sup>2</sup> )	P Pen (kNm <sup>2</sup> )	Water	Elev. (mAOD)	Depth (Thickness)	Description	Legend	Geology	
0.10-0.20	ES	0				91.11	0.07	MADE GROUND: ASPHALT.		TARMAC	
0.30-0.50	ES	150				90.88	0.30	MADE GROUND: Orange brown sandy fine to coarse angular to subangular GRAVEL of sandstone.		MG	
0.60-0.70	ES	0	90			90.68	0.50	MADE GROUND: Black sandy fine and medium angular GRAVEL of ash and clinker with a strong hydrocarbon odour. 0.45 - 0.50 Occasional broken and whole bricks		MG	
0.90-1.00	D		70				(1.56)	MADE GROUND: Stiff high strength brown slightly sandy slightly gravelly CLAY with frequent cobbles. Gravel is fine to coarse of brick concrete stone with some wire and ceramic tile.		MG	
2.30-2.50	ES	0	50			89.12	2.06	Dark brown slightly clayey SAND with occasional roots (RELICT TOPSOIL)		SUPD	
2.40-2.50	B					88.88	2.30	Orange brown medium SAND. (GLACIAL DEPOSITS)		GDU	
						87.68	3.50	Trial pit complete at 3.5m bgl			

08 WSP TP LOG STANDARD WOODFORD LOGS - COMBINED-100914 - UP TO DATE VERSION GPJ WSPTEMPLATE1.03.GDT 11/12/14

	Length	3.00m	Shoring/Support:			Water Strikes					
	Width	1.00m	None			Date	Time	Strike	Minutes	Standing	Remarks
	Orientation	degrees from north	Stability:			General Remarks Trial pit complete at 3.5m bgl. Olfactory evidence of hydrocarbon contamination observed. at 0.3m to 0.5m bgl. No radiological readings above background recorded. Groundwater encountered at 0.8m bgl. Hole backfilled upon completion.					
Scale 1:25			Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.								





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# TRIAL PIT LOG

Hole No.  
**TP108**

Project  
Woodford Aerodrome

Sheet  
1 of 1

Job No  
70004430

Client  
Harrow Estates Plc

Date  
29-07-14  
29-07-14

Contractor / Driller WSP UK	Method/Plant Used Spade	Logged By J Watson	Co-Ordinates (NGR) E 389829.460 N 382703.790	Ground Level (m AOD) 89.730
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SAMPLES & TESTS						STRATA					Install / Backfill
Depth	Type	PID (ppmV)	HSV (kN/m <sup>2</sup> )	P Pen (kN/m <sup>2</sup> )	Water	Elev. (mAOD)	Depth (Thickness)	Description	Legend	Geology	
0.10-0.20	ES	0				89.53	0.20	MADE GROUND: Brown slightly clayey gravelly fine and medium SAND. Gravel is fine and medium subrounded to subangular of ash and clinker with occasional wire.	MG	MG	
0.30-0.40	ES	0				89.43	0.30	MADE GROUND: Dark greyish brown sandy fine and medium subangular to sub rounded GRAVEL of ash and clinker.	MG	MG	
						89.23	0.50	MADE GROUND: Dark greyish brown slightly gravelly fine and medium SAND. Gravel is fine and medium subangular to subrounded GRAVEL of ash and clinker.	MG	MG	
						89.13	0.60	Light brown slightly clayey fine and medium SAND. (GLACIAL DEPOSITS)	GDU	GDU	
Trial pit complete at 0.6m bgl											

08 WSP TP LOG STANDARD WOODFORD LOGS - COMBINED-100914 - UP TO DATE VERSION GPJ WSPTEMPLATE1.03.GDT 11/12/14

	Length	0.30m	Shoring/Support: None	Water Strikes					
	Width	0.30m		Stability: Stable	Date	Time	Strike	Minutes	Standing
	Orientation	degrees from north	<b>General Remarks</b> Trial pit dug by hand to 0.6m bgl due to proximity to sub-station. No visual or olfactory evidence of contamination observed. No radiological readings above background observed. Groundwater not encountered. Hole backfilled upon completion.						
Scale 1:25	Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.								





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# TRIAL PIT LOG

Hole No.  
**TP109**

Project  
Woodford Aerodrome

Sheet  
1 of 1

Job No  
70004430

Client  
Harrow Estates Plc

Date  
02-07-14  
02-07-14

Contractor / Driller H & C Plant Hire Ltd	Method/Plant Used JCB 3CX	Logged By S Weston	Co-Ordinates (NGR) E 389769.450 N 382647.450	Ground Level (m AOD) 90.860
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SAMPLES & TESTS							STRATA					Install / Backfill
Depth	Type	PID (ppmV)	HSV (kNm <sup>2</sup> )	P Pen (kNm <sup>2</sup> )	Water	Elev. (mAOD)	Depth (Thickness)	Description	Legend	Geology		
0.00-0.20	ES					90.66	(0.20)	Brown sandy SILT with rootlets (TOPSOIL)		TS		
						90.06	(0.60)	Firm brown clayey SILT. (GLACIAL DEPOSITS)		GDU		
0.90	ES					89.46	(0.60)	Firm light brown mottled grey CLAY (GLACIAL DEPOSITS)		GDU		
1.00	D					88.06	(1.40)	Firm reddish brown mottled light grey, friable, gravelly, CLAY. Gravel is subangular medium and coarse of grey siltstone (GLACIAL DEPOSITS)		GDU		
2.00	D							Trial Pit terminated at 2.8m bgl				

08 WSP TP LOG STANDARD WOODFORD LOGS - COMBINED-100914 - UP TO DATE VERSION GPJ\_WSPTEMPLATE1.03.GDT 11/12/14

	Length 3.00m	Shoring/Support: None	Water Strikes					
	Width 1.00m		Stability: Stable	Date	Time	Strike	Minutes	Standing
	Orientation degrees from north	General Remarks Trial pit complete at 2.8m bgl. No visual or olfactory evidence of contamination observed. No radiological readings above background recorded. Groundwater not encountered. Hole backfilled upon completion.						
Scale 1:25	Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.							



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# TRIAL PIT LOG

Hole No.  
**TP110**

Project  
**Woodford Aerodrome**

Sheet  
**1 of 1**

Job No  
**70004430**

Client  
**Harrow Estates Plc**

Date  
**02-07-14  
02-07-14**

Contractor / Driller <b>H &amp; C Plant Hire Ltd</b>	Method/Plant Used <b>JCB 3CX</b>	Logged By <b>S Weston</b>	Co-Ordinates (NGR) <b>E 389787.180 N 382632.080</b>	Ground Level (m AOD) <b>90.700</b>
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SAMPLES & TESTS						STRATA					Install / Backfill
Depth	Type	PID (ppmV)	HSV (kN/m <sup>2</sup> )	P Pen (kN/m <sup>2</sup> )	Water	Elev. (mAOD)	Depth (Thickness)	Description	Legend	Geology	
						90.40	0.30	MADE GROUND: Grass over brown slightly sandy SILT (TOPSOIL)		CMG	
						90.20	0.50	MADE GROUND: Brown clayey SILT		CMG	
0.60	ES					90.00	0.70	MADE GROUND: Light brown slightly silty sandy angular fine to coarse GRAVEL of brick		GMG	
0.80	ES						(0.40)	Firm brown mottled grey CLAY (GLACIAL DEPOSITS)		GDU	
0.90	D					89.60	1.10	Firm light brown mottled light grey silty CLAY with occasional grey siltstone partings. (GLACIAL DEPOSITS)		GDU	
1.30	D						(0.90)				
1.50	B					88.70	2.00	Firm brown friable CLAY (GLACIAL DEPOSITS)		GDU	
2.10	D					87.90	2.80	Firm brown friable CLAY (GLACIAL DEPOSITS)		GDU	
								Borehole terminated at 2.8m bgl			

08 WSP TP LOG STANDARD WOODFORD LOGS - COMBINED-100914 - UP TO DATE VERSION GPJ WSPTEMPLATE1.03.GDT 11/12/14

	Length	3.00m	Shoring/Support:			Water Strikes					
	Width	1.00m	None			Date	Time	Strike	Minutes	Standing	Remarks
	Orientation	degrees from north	Stable			General Remarks					
<p>Scale 1:25</p> <p>Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.</p>											

General Remarks  
Trial pit complete at 2.8m bgl. No visual or olfactory evidence of contamination observed. No radiological readings above background recorded. Groundwater not encountered. Hole backfilled upon completion.



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# TRIAL PIT LOG

Hole No.  
**TP111**

Project  
Woodford Aerodrome

Sheet  
1 of 1

Job No  
70004430

Client  
Harrow Estates Plc

Date  
29-07-14  
29-07-14

Contractor / Driller WSP UK	Method/Plant Used Spade	Logged By J Watson	Co-Ordinates (NGR) E 389617.040 N 382661.820	Ground Level (m AOD) 90.830
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SAMPLES & TESTS							STRATA					Install / Backfill
Depth	Type	PID (ppmV)	HSV (kN/m <sup>2</sup> )	P Pen (kN/m <sup>2</sup> )	Water	Elev. (mAOD)	Depth (Thickness)	Description	Legend	Geology		
0.10-0.20	ES	0				90.48	0.35 (0.35)	MADE GROUND: Grass over firm brown very sandy slightly gravelly CLAY with common roots. Gravel is fine and medium rounded of various lithologies with occasional plastic.		MG		
0.40-0.50	ES	0				90.23	0.60 (0.25)	MADE GROUND: Light brown slightly clayey sandy fine and medium angular GRAVEL of limestone.		MG		
Trial pit complete at 0.6m bgl												

08 WSP TP LOG STANDARD WOODFORD LOGS - COMBINED-100914 - UP TO DATE VERSION GPJ WSPTEMPLATE1.03.GDT 11/12/14

	Length 0.30m	Shoring/Support: None	Water Strikes						
	Width 0.30m		Stability: Stable	Date	Time	Strike	Minutes	Standing	Remarks
	Orientation degrees from north	General Remarks Trial pit dug by hand to 0.6m bgl due to proximity to sub-station. No visual or olfactory evidence of contamination observed. No radiological readings above background observed. Groundwater not encountered. Hole backfilled upon completion.							
Scale 1:25	Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.								



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# TRIAL PIT LOG

Hole No.  
**TP112**

Project  
**Woodford Aerodrome**

Sheet  
**1 of 1**

Job No  
**70004430**

Client  
**Harrow Estates Plc**

Date  
**30-07-14  
30-07-14**

Contractor / Driller <b>H &amp; C Plant Hire Ltd</b>	Method/Plant Used <b>JCB 3CX</b>	Logged By <b>J Watson</b>	Co-Ordinates (NGR) <b>E 389383.000 N 382566.210</b>	Ground Level (m AOD) <b>90.530</b>
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SAMPLES & TESTS						STRATA					Install / Backfill
Depth	Type	PID (ppmV)	HSV (kN/m <sup>2</sup> )	P Pen (kN/m <sup>2</sup> )	Water	Elev. (mAOD)	Depth (Thickness)	Description	Legend	Geology	
0.10-0.20	ES	0				90.40	0.13	MADE GROUND: ASPHALT.		TARMAC	
							(0.27)	Light grey brown CONCRETE.		CONC	
0.40-0.60	ES	0				90.13	0.40	MADE GROUND: Black sandy fine and medium GRAVEL of ash and clinker.		MG	
						90.08	0.45	MADE GROUND: Light greyish brown sandy fine to coarse GRAVEL of limestone.		MG	
						89.83	0.70				
						89.78	0.75	MADE GROUND: Black sandy fine and medium angular GRAVEL of ash and clinker.		MG	
0.80-0.90	B	0	60					MADE GROUND: Soft locally firm medium strength dark brown sandy slightly gravelly CLAY. Gravel is fine to coarse of various lithologies including broken brick.			
0.80-0.90	ES	0									
1.00-1.20	D						(0.85)			MG	
1.60-1.70	ES	0				88.93	1.60	MADE GROUND: Soft brown very sandy gravelly CLAY. Gravel is fine and medium angular of brick coal ceramics and vesicular slag.		MG	
1.70-1.90	B		30			88.83	1.70	MADE GROUND: Very soft locally soft low strength brown slightly sandy CLAY.		MG	
			20				(0.50)			MG	
			26			88.33	2.20				
2.20-2.40	D						(0.20)	Soft dark brown organic CLAY with abundant plant matter (RELICT TOPSOIL)		TS	
						88.13	2.40				
2.50-2.70	D		26				(0.90)	Soft low strength brown slightly sandy slightly gravelly CLAY. (GLACIAL DEPOSITS)		GDU	
			20								
			32			87.23	3.30	Trial pit complete at 3.3m bgl			

08 WSP TP LOG STANDARD WOODFORD LOGS - COMBINED-100914 - UP TO DATE VERSION GPJ WSPTEMPLATE1.03.GDT 11/12/14

	Length	2.20m	Shoring/Support:	Water Strikes					
	Width	0.60m		None	Date	Time	Strike	Minutes	Standing
	Orientation	degrees from north	Stable			1.60			
Scale 1:25		Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.							
		<b>General Remarks</b> Trial pit complete at 3.3m bgl. No visual or olfactory evidence of contamination observed. No radiological readings above background recorded. Groundwater encountered as seepage from 1.6m bgl. Hole backfilled upon completion.							



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# TRIAL PIT LOG

Hole No.  
**TP113**

Project  
**Woodford Aerodrome**

Sheet  
**1 of 1**

Job No  
**70004430**

Client  
**Harrow Estates Plc**

Date  
**01-07-14  
01-07-14**

Contractor / Driller <b>H &amp; C Plant Hire Ltd</b>	Method/Plant Used <b>JCB 3CX</b>	Logged By <b>J Watson</b>	Co-Ordinates (NGR) <b>E 389396.860 N 382499.570</b>	Ground Level (m AOD) <b>90.150</b>
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SAMPLES & TESTS						STRATA					Install / Backfill
Depth	Type	PID (ppmV)	HSV (kN/m <sup>2</sup> )	P Pen (kN/m <sup>2</sup> )	Water	Elev. (mAOD)	Depth (Thickness)	Description	Legend	Geology	
0.12-0.20	ES					90.03	0.12	MADE GROUND: CONCRETE.		CONC	
							(0.38)	MADE GROUND: Dark greyish brown gravelly SAND with some gravel of ash clinker and occasional slate and brick.		MG	
0.50-0.60	ES		76			89.65	0.50	MADE GROUND: Firm locally soft medium strength reddish brown sandy gravelly CLAY. Gravel is fine and coarse of brick.		MG	
			58				(0.50)				
1.00	D		26			89.15	1.00	PROBABLE MADE GROUND: Very soft low strength grey and brown sandy to very sandy slightly gravelly CLAY. Gravel is fine and medium rounded of various lithologies.		MG	
			40				(1.60)				
1.50-1.60	ES										
2.00	D		23								
						87.55	2.60				
						87.45	2.70	Brown slightly clayey SAND with occasional roots (POSSIBLE RELICT TOPSOIL)		SUPD	
Trial Pit terminated at 2.7m bgl											

08 WSP TP LOG STANDARD WOODFORD LOGS - COMBINED-100914 - UP TO DATE VERSION GPJ WSPTEMPLATE1.03.GDT 11/12/14

	Length	3.00m	Shoring/Support: None	Water Strikes							
	Width	1.00m		Stability:	Date	Time	Strike	Minutes	Standing	Remarks	
	Orientation	degrees from north	Hole unstable 1.0m to 2.7m bgl	<b>General Remarks</b> Trial pit complete at 2.7m bgl. No visual or olfactory evidence of contamination observed. No radiological readings above background recorded. Groundwater not encountered. Hole backfilled upon completion.							
Scale 1:25	Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.										



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# TRIAL PIT LOG

Hole No.  
**TP114**

Project  
**Woodford Aerodrome**

Sheet  
**1 of 1**

Job No  
**70004430**

Client  
**Harrow Estates Plc**

Date  
**02-07-14  
02-07-14**

Contractor / Driller <b>H &amp; C Plant Hire Ltd</b>	Method/Plant Used <b>JCB 3CX</b>	Logged By <b>S McGeever</b>	Co-Ordinates (NGR) <b>E 389351.075 N 382577.499</b>	Ground Level (m AOD)
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SAMPLES & TESTS						STRATA				Install / Backfill	
Depth	Type	PID (ppmV)	HSV (kN/m <sup>2</sup> )	P Pen (kN/m <sup>2</sup> )	Water	Elev. (mAOD)	Depth (Thickness)	Description	Legend		Geology
0.20	ES						(0.25)	MADE GROUND: Dark brown clayey SAND with rootlets. (TOPSOIL)		GMG	
							0.25	MADE GROUND: Light brown slightly gravelly SAND. Gravel is of glass, brick, ash and various lithologies.			
0.90	ES		150				0.85	MADE GROUND: Very stiff very high strength reddish brown slightly sandy CLAY.		CMG	
							(0.55)				
1.50	D						(0.30)	Soft dark brown CLAY with relict rootlets (POSSIBLE RELICT TOPSOIL).		SUPD	
							1.70				
2.00	D		65				(1.30)	Firm medium strength reddish brown mottled light grey slightly gravelly slightly sandy CLAY. Gravel is fine and medium angular to rounded of various lithologies (GLACIAL DEPOSITS).		GDU	
								2.20 m bgl; low strength			
			34					2.80 m bgl; high strength			
			80								
			105				3.00	Trial pit complete at 3.0m bgl.			

08 WSP TP LOG STANDARD WOODFORD LOGS - COMBINED-100914 - UP TO DATE VERSION GPJ WSPTEMPLATE1.03.GDT 11/12/14

	Length 2.70m	Shoring/Support: None	Water Strikes					
	Width 1.40m		Stability: Stable	Date	Time	Strike	Minutes	Standing
	Orientation degrees from north	General Remarks Trial Pit complete at 3.0m bgl. No visual or olfactory evidence of contamination observed. No radiological readings above background recorded. Groundwater not encountered. Hole backfilled upon completion.						

Scale 1:25      Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.



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# TRIAL PIT LOG

Hole No.  
**TP115**

Project  
**Woodford Aerodrome**

Sheet  
**1 of 1**

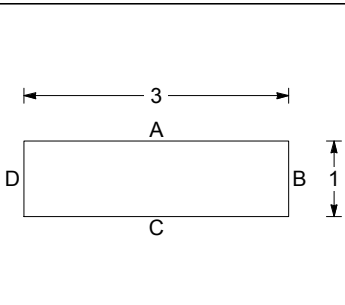
Job No  
**70004430**

Client  
**Harrow Estates Plc**

Date  
**01-07-14  
01-07-14**

Contractor / Driller <b>H &amp; C Plant Hire Ltd</b>	Method/Plant Used <b>JCB 3CX</b>	Logged By <b>J Watson</b>	Co-Ordinates (NGR) <b>E 389370.230 N 382606.760</b>	Ground Level (m AOD) <b>90.710</b>
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SAMPLES & TESTS						STRATA				Install / Backfill	
Depth	Type	PIV (ppmV)	HSV (kNm <sup>2</sup> )	P Pen (kNm <sup>2</sup> )	Water	Elev. (mAOD)	Depth (Thickness)	Description	Legend		Geology
0.35-0.50 0.50-0.60 0.60-0.80	ES ES B					90.59	0.12	MADE GROUND: ASPHALT.		TARMAC	
						90.45	0.26	MADE GROUND: CONCRETE with 8mm diameter rebar		CONC	
						90.36	0.35	MADE GROUND: Brown sandy fine to coarse angular to subangular GRAVEL.		MG	
						90.21	0.50	MADE GROUND: Dark greyish brown and black sandy fine and medium GRAVEL of ash and clinker.		MG	
						(1.00)		MADE GROUND: Brown SAND and fine to coarse GRAVEL with some COBBLES of brick, sandstone, occasional tile and metal.		MG	
1.80	ES		68			89.21	1.50	Firm medium strength reddish brown slightly sandy CLAY. (GLACIAL DEPOSITS)		GDU	
						(1.10)					
						88.11	2.60	Brown silty fine SAND. (GLACIAL DEPOSITS)		GDU	
						87.91	2.80	Trial Pit terminated at 2.8m bgl			



Length  
3.00m

Width  
1.00m

Orientation  
degrees from north

Shoring/Support:  
None

Stability:  
Stable

Water Strikes					
Date	Time	Strike	Minutes	Standing	Remarks

General Remarks  
Trial pit complete at 2.8m bgl. No visual or olfactory evidence of contamination observed. No radiological readings above background recorded. Groundwater not encountered. Hole backfilled upon completion.

Scale 1:25

Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.

08 WSP TP LOG STANDARD WOODFORD LOGS - COMBINED-100914 - UP TO DATE VERSION GPJ WSPTEMPLATE1.03.GDT 11/12/14



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# TRIAL PIT LOG

Hole No.  
**TP116**

Project  
Woodford Aerodrome

Sheet  
1 of 1

Job No  
70004430

Client  
Harrow Estates Plc

Date  
03-07-14  
03-07-14

Contractor / Driller H & C Plant Hire Ltd	Method/Plant Used JCB 3CX	Logged By S McGeever	Co-Ordinates (NGR) E 389290.000 N 382664.440	Ground Level (m AOD) 90.780
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SAMPLES & TESTS						STRATA					Install / Backfill
Depth	Type	PID (ppmV)	HSV (kN/m <sup>2</sup> )	P Pen (kN/m <sup>2</sup> )	Water	Elev. (mAOD)	Depth (Thickness)	Description	Legend	Geology	
						90.71	0.07	MADE GROUND: ASPHALT.		TARMAC	
							(0.43)	MADE GROUND: Light orangish brown sandy fine to coarse GRAVEL of predominantly sandstone.		GMG	
						90.28	0.50				
0.70	ES		70 86				(0.70)	Stiff, medium to high strength dark brown slightly sandy slightly gravelly CLAY. Gravel is fine to coarse angular to well rounded of various lithologies (GLACIAL DEPOSITS).		GDU	
			70			89.58	1.20				
1.50	D						(0.80)	Light brownish mottled light grey slightly sandy slightly gravelly CLAY. Gravel is fine and medium subangular to well rounded of various lithologies (GLACIAL DEPOSITS).		GDU	
						88.78	2.00	Trial pit complete at 2m bgl.			

08 WSP TP LOG STANDARD WOODFORD LOGS - COMBINED-100914 - UP TO DATE VERSION GPJ WSPTEMPLATE1.03.GDT 11/12/14

	Length 2.80m	Shoring/Support: None	Water Strikes					
	Width 1.20m		Date	Time	Strike	Minutes	Standing	Remarks
	Orientation degrees from north	Stability: Stable	<b>General Remarks</b> Trial Pit complete at 2.0m bgl. No visual or olfactory evidence of contamination observed. No radiological readings above background recorded. Groundwater not encountered. Hole backfilled upon completion.					
Scale 1:25	Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.							





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# TRIAL PIT LOG

Hole No.  
**TP117**

Project  
**Woodford Aerodrome**

Sheet  
**1 of 1**

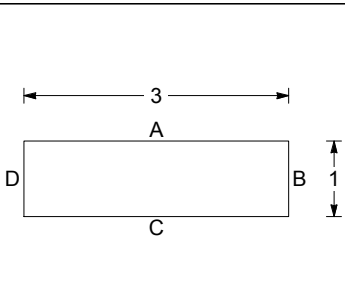
Job No  
**70004430**

Client  
**Harrow Estates Plc**

Date  
**08-07-14  
08-07-14**

Contractor / Driller <b>H &amp; C Plant Hire Ltd</b>	Method/Plant Used <b>JCB 3CX</b>	Logged By <b>S Weston</b>	Co-Ordinates (NGR) <b>E 389439.570 N 382429.610</b>	Ground Level (m AOD) <b>88.300</b>
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SAMPLES & TESTS						STRATA				Install / Backfill		
Depth	Type	PID (ppmV)	HSV (kN/m <sup>2</sup> )	P Pen (kN/m <sup>2</sup> )	Water	Elev. (mAOD)	Depth (Thickness)	Description	Legend		Geology	
0.20	ES					88.25	0.05	MADE GROUND: ASPHALT		TARMAC		
0.30	ES					88.15	0.15	MADE GROUND: Light brown sandy angular fine to coarse limestone gravel POSSIBLE MADE GROUND: Firm brown slightly gravelly slightly sandy CLAY. Gravel is angular coarse of various lithologies.		GMG		
							(1.35)				CMG	
						86.80	1.50	Soft brown CLAY (GLACIAL DEPOSITS)		GDU		
							(0.90)				GDU	
						85.90	2.40	Firm brown slightly gravelly CLAY. Gravel is subrounded medium and coarse (GLACIAL DEPOSITS)		GDU		
							(0.20) 85.70	2.60	Borehole terminated at 2.6m bgl			



Length  
3.00m

Width  
1.00m

Orientation  
degrees from north

Shoring/Support:  
None

Stability:  
Stable

Water Strikes					
Date	Time	Strike	Minutes	Standing	Remarks

General Remarks  
Trial pit complete at 2.6m bgl. No visual or olfactory evidence of contamination observed. No radiological readings above background recorded. Groundwater not encountered. Hole backfilled upon completion.

Scale 1:25

Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.

08 WSP TP LOG STANDARD WOODFORD LOGS - COMBINED-100914 - UP TO DATE VERSION GPJ WSPTEMPLATE1.03.GDT 11/12/14



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M50 3SP  
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# TRIAL PIT LOG

Hole No.  
**TP118**

Project  
**Woodford Aerodrome**

Sheet  
**1 of 1**

Job No  
**70004430**

Client  
**Harrow Estates Plc**

Date  
**02-07-14  
02-07-14**

Contractor / Driller <b>H &amp; C Plant Hire Ltd</b>	Method/Plant Used <b>JCB 3CX</b>	Logged By <b>S McGeever</b>	Co-Ordinates (NGR) <b>E 389693.660 N 382584.990</b>	Ground Level (m AOD) <b>90.880</b>
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SAMPLES & TESTS						STRATA				Install / Backfill	
Depth	Type	PID (ppmV)	HSV (kN/m <sup>2</sup> )	P Pen (kN/m <sup>2</sup> )	Water	Elev. (mAOD)	Depth (Thickness)	Description	Legend		Geology
0.00-0.20	ES					90.68	(0.20)	MADE GROUND: Brown cobbly gravelly SAND. Gravel is fine to coarse of shale and brick. (TOPSOIL)		GMG	
						90.38	(0.30)	MADE GROUND: Black ashy sandy fine to coarse angular to subrounded GRAVEL of various lithologies.		GMG	
						90.28	(0.60)	MADE GROUND: Reddish brown sandy gravelly subrounded COBBLES of predominantly brick.		GMG	
						89.78	(0.50)	MADE GROUND: Orangish brown SAND with frequent cobbles and boulders of predominatly concrete.		GMG	
1.20-1.30	ES		112				(0.40)	Firm high strength reddish brown mottled light grey slightly sandy, slightly gravelly CLAY. Gravel is fine and medium subrounded to well rounded of various lithologies (GLACIAL DEPOSITS).		GDU	
1.40	D		118			89.38	1.50	Pinkish light brown gravelly SAND. Gravel is fine and medium subangular to well rounded of various lithologies. (GLACIAL DEPOSITS)		GDU	
			120				(1.10)				
2.00-2.10	B					88.28	2.60				
Trial pit complete at 2.6m bgl.											

08 WSP TP LOG STANDARD WOODFORD LOGS - COMBINED-100914 - UP TO DATE VERSION GPJ - WSPTEMPLATE1.03.GDT 11/12/14

	Length 4.00m	Shoring/Support: None	Water Strikes						
	Width 1.20m		Stability: Stable	Date	Time	Strike	Minutes	Standing	Remarks
	Orientation degrees from north	General Remarks Trial Pit complete at 2.6m bgl. No visual or olfactory evidence of contamination observed. No radiological readings above background recorded. Groundwater not encountered. Hole backfilled upon completion.							
Scale 1:25	Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.								



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# TRIAL PIT LOG

Hole No.  
**TP119**

Project  
**Woodford Aerodrome**

Sheet  
**1 of 1**

Job No  
**70004430**

Client  
**Harrow Estates Plc**

Date  
**03-07-14  
03-07-14**

Contractor / Driller <b>H &amp; C Plant Hire Ltd</b>	Method/Plant Used <b>JCB 3CX</b>	Logged By <b>S McGeever</b>	Co-Ordinates (NGR) <b>E 389744.100 N 382555.140</b>	Ground Level (m AOD) <b>90.270</b>
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SAMPLES & TESTS						STRATA					Install / Backfill
Depth	Type	PID (ppmV)	HSV (kN/m <sup>2</sup> )	P Pen (kN/m <sup>2</sup> )	Water	Elev. (mAOD)	Depth (Thickness)	Description	Legend	Geology	
0.20	ES	0				89.97	0.30	MADE GROUND: Reddish brown slightly clayey slightly cobbly gravelly SAND. Gravel is fine to coarse very angular to rounded of various lithologies. (TOPSOIL)		GMG	
0.50		0				89.57	0.70	MADE GROUND: Greyish brown relict surfacing recovered as bouldery cobbly gravel of mudstone.		GMG	
1.50	ES	0					1.20	Reddish brown medium SAND. (GLACIAL DEPOSITS)		GDU	
2.00-2.10	B					88.37	1.90	Reddish brown SAND and GRAVEL. Gravel is fine to coarse subrounded to very rounded of various of lithologies (GLACIAL DEPOSITS)		GDU	
						87.27	3.00	Trial pit complete at 3m bgl			

08 WSP TP LOG STANDARD WOODFORD LOGS - COMBINED-100914 - UP TO DATE VERSION GPJ WSPTEMPLATE1.03.GDT 11/12/14

	Length	3.50m	Shoring/Support: None	Water Strikes					
	Width	1.50m		Stability: Stable	Date	Time	Strike	Minutes	Standing
	Orientation	degrees from north	<b>General Remarks</b> Trial Pit complete at 3.0m bgl. No visual or olfactory evidence of contamination observed. Possible former surface related to proposed compass swing encountered at 0.30m bgl. No radiological readings above background recorded. Groundwater not encountered. Hole backfilled upon completion.						
Scale 1:25	Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.								



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# TRIAL PIT LOG

Hole No.  
**TP120**

Project  
**Woodford Aerodrome**

Sheet  
**1 of 1**

Job No  
**70004430**

Client  
**Harrow Estates Plc**

Date  
**07-07-14  
07-07-14**

Contractor / Driller <b>H &amp; C Plant Hire Ltd</b>	Method/Plant Used <b>JCB 3CX</b>	Logged By <b>S Weston</b>	Co-Ordinates (NGR) <b>E 389836.660 N 382585.530</b>	Ground Level (m AOD) <b>89.070</b>
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SAMPLES & TESTS						STRATA					Install / Backfill
Depth	Type	PID (ppmV)	HSV (kN/m <sup>2</sup> )	P Pen (kN/m <sup>2</sup> )	Water	Elev. (mAOD)	Depth (Thickness)	Description	Legend	Geology	
0.10	ES					88.77	0.30	TOPSOIL: Brown slightly sandy CLAY with rootlets.		TS	
0.40	ES					88.57	0.50	Brown silty fine SAND. (GLACIAL DEPOSITS)		GDU	
						88.37	0.70	Firm orangish brown sandy CLAY. (GLACIAL DEPOSITS)		GDU	
1.20	D ES						1.00	Firm reddish brown mottled grey slightly sandy CLAY. (GLACIAL DEPOSITS)		GDU	
1.70-2.50	B					87.37	1.70	Orange brown silty fine SAND. (GLACIAL DEPOSITS)		GDU	
							1.20	2.20 m bgl; damp		GDU	
						86.17	2.90	Trial Pit terminated at 2.9m bgl			

08 WSP TP LOG STANDARD WOODFORD LOGS - COMBINED-100914 - UP TO DATE VERSION GPJ WSPTEMPLATE1.03.GDT 11/12/14

	Length 3.00m	Shoring/Support: None	Water Strikes					
	Width 1.00m		Stability: Stable	Date	Time	Strike	Minutes	Standing
	Orientation degrees from north	General Remarks Trial pit complete at 2.9m bgl. No visual or olfactory evidence of contamination observed. No radiological readings above background recorded. Groundwater not encountered. Hole backfilled upon completion.						
Scale 1:25	Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.							



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# TRIAL PIT LOG

Hole No.  
**TP121**

Project  
**Woodford Aerodrome**

Sheet  
**1 of 1**

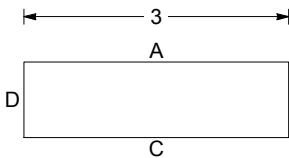
Job No  
**70004430**

Client  
**Harrow Estates Plc**

Date  
**07-07-14  
07-07-14**

Contractor / Driller <b>H &amp; C Plant Hire Ltd</b>	Method/Plant Used <b>JCB 3CX</b>	Logged By <b>S Weston</b>	Co-Ordinates (NGR) <b>E 389452.550 N 382355.330</b>	Ground Level (m AOD) <b>87.150</b>
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SAMPLES & TESTS						STRATA				Install / Backfill	
Depth	Type	PID (ppmV)	HSV (kNm <sup>2</sup> )	P.Pen (kNm <sup>2</sup> )	Water	Elev. (mAOD)	Depth (Thickness)	Description	Legend		Geology
0.20	ES					86.85	0.30	MADE GROUND: Grass over brown very silty fine SAND with rootlets (TOPSOIL)		GMG	
0.60	ES					86.40	0.75	MADE GROUND: Firm brown slightly gravelly CLAY		GMG	
1.00	D						(1.45)	MADE GROUND: Firm grey, mottled brown CLAY, with sandy pockets		GMG	
1.10	ES										
1.50	D										
						84.95	2.20				
						84.93	2.22	Soft grey sandy CLAY (GLACIAL DEPOSIT) Firm grey CLAY (GLACIAL DEPOSIT)		GDU	
2.50	D						(1.08)				
						83.85	3.30	Trial Pit terminated at 3.3m bgl			



Length  
3.00m

Width  
1.00m

Orientation  
degrees from north

Shoring/Support:  
None

Stability:  
Stable

Water Strikes					
Date	Time	Strike	Minutes	Standing	Remarks

General Remarks  
Trial pit complete at 3.30m bgl. No visual or olfactory evidence of contamination observed. No radiological readings above background recorded. Groundwater not encountered. Hole backfilled upon completion.

Scale 1:25

Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.

08 WSP TP LOG STANDARD WOODFORD LOGS - COMBINED-100914 - UP TO DATE VERSION GPJ WSPTEMPLATE1.03.GDT 11/12/14



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# TRIAL PIT LOG

Hole No.  
**TP122**

Project  
Woodford Aerodrome

Sheet  
1 of 1

Job No  
70004430

Client  
Harrow Estates Plc

Date  
29-07-14  
29-07-14

Contractor / Driller WSP UK	Method/Plant Used Spade	Logged By J Watson	Co-Ordinates (NGR) E 389417.940 N 382294.510	Ground Level (m AOD) 87.540
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SAMPLES & TESTS							STRATA					Install / Backfill
Depth	Type	PID (ppmV)	HSV (kN/m <sup>2</sup> )	P Pen (kN/m <sup>2</sup> )	Water	Elev. (mAOD)	Depth (Thickness)	Description	Legend	Geology		
0.10-0.20	ES	0					(0.50)	MADE GROUND: Grass over brown slightly clayey slightly gravelly SAND. Gravel is fine to coarse of limestone, ash, clinker and brick.		MG		
0.40-0.50	ES					87.04	0.50					
Trial pit complete at 0.5m bgl												

08 WSP TP LOG STANDARD WOODFORD LOGS - COMBINED-100914 - UP TO DATE VERSION GPJ WSPTEMPLATE1.03.GDT 11/12/14

	Length 0.30m	Shoring/Support: None	Water Strikes						
	Width 0.30m		Stability: Stable	Date	Time	Strike	Minutes	Standing	Remarks
	Orientation degrees from north	<b>General Remarks</b> Trial pit dug by hand to 0.5m bgl due to proximity to sub-station. No visual or olfactory evidence of contamination observed. No radiological readings above background observed. Groundwater not encountered. Hole backfilled upon completion.							
Scale 1:25	Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.								



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# TRIAL PIT LOG

Hole No.  
**TP123**

Project  
Woodford Aerodrome

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1 of 1

Job No  
70004430

Client  
Harrow Estates Plc

Date  
07-07-14  
07-07-14

Contractor / Driller H & C Plant Hire Ltd	Method/Plant Used JCB 3CX	Logged By S Weston	Co-Ordinates (NGR) E 389440.640 N 381553.760	Ground Level (m AOD) 88.720
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SAMPLES & TESTS						STRATA					Install / Backfill
Depth	Type	PID (ppmV)	HSV (kN/m <sup>2</sup> )	P Pen (kN/m <sup>2</sup> )	Water	Elev. (mAOD)	Depth (Thickness)	Description	Legend	Geology	
0.30-0.50	ES					88.52	(0.20) 0.20	MADE GROUND: Grass over brown very silty fine SAND with rootlets (TOPSOIL)	[Cross-hatch pattern]	GMG	[Circular pattern]
							(0.60)	MADE GROUND: Brown silty fine SAND			
0.80-1.20 0.80-1.20	B ES					87.92	0.80	Orange brown silty fine and medium SAND (GLACIAL DEPOSITS)	[X pattern]		GDU
							(1.50)				
						86.42	2.30	Trial Pit terminated at 2.3m bgl			

08 WSP TP LOG STANDARD WOODFORD LOGS - COMBINED-100914 - UP TO DATE VERSION GPJ WSPTEMPLATE1.03.GDT 11/12/14

Length: 3.00m

Width: 1.00m

Orientation: degrees from north

Shoring/Support: None

Stability: Stable

Water Strikes					
Date	Time	Strike	Minutes	Standing	Remarks

**General Remarks**  
Trial pit complete at 2.3m bgl. No visual or olfactory evidence of significant contamination observed. No radiological readings above background recorded. Groundwater not encountered. Hole backfilled upon completion.

Scale 1:25      Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.



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# TRIAL PIT LOG

Hole No.  
**TP124**

Project  
**Woodford Aerodrome**

Sheet  
**1 of 1**

Job No  
**70004430**

Client  
**Harrow Estates Plc**

Date  
**07-07-14  
07-07-14**

Contractor / Driller <b>H &amp; C Plant Hire Ltd</b>	Method/Plant Used <b>JCB 3CX</b>	Logged By <b>S Weston</b>	Co-Ordinates (NGR) <b>E 389479.730 N 381526.140</b>	Ground Level (m AOD) <b>87.630</b>
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SAMPLES & TESTS						STRATA					Install / Backfill
Depth	Type	PID (ppmV)	HSV (kN/m <sup>2</sup> )	P Pen (kN/m <sup>2</sup> )	Water	Elev. (mAOD)	Depth (Thickness)	Description	Legend	Geology	
0.20-0.40	ES					87.43	(0.20) 0.20	Grass over brown very silty fine SAND with rootlets (TOPSOIL)		TS	
							(0.40) 0.60	Brown slightly clay slightly silty fine SAND (GLACIAL DEPOSITS)		GDU	
0.60-1.00	ES					87.03	(0.40) 0.60	Light grey silty fine SAND (GLACIAL DEPOSITS)		GDU	
							(1.00) 2.00	Orange brown silty fine SAND (GLACIAL DEPOSITS)		GDU	
1.00-2.00	B					86.63	1.00	Borehole terminated at 2m bgl			

08 WSP TP LOG STANDARD WOODFORD LOGS - COMBINED-100914 - UP TO DATE VERSION GPJ WSPTEMPLATE1.03.GDT 11/12/14

	Length 3.00m	Shoring/Support: None	Water Strikes					
	Width 1.00m		Stability: Stable	Date	Time	Strike	Minutes	Standing
	Orientation degrees from north	<b>General Remarks</b> Trial pit complete at 2m bgl. No visual or olfactory evidence of contamination observed. No radiological readings above background recorded. Groundwater not encountered. Hole backfilled upon completion.						
Scale 1:25	Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.							





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# TRIAL PIT LOG

Hole No.  
**TP125**

Project  
Woodford Aerodrome

Sheet  
1 of 1

Job No  
70004430

Client  
Harrow Estates Plc

Date  
07-07-14  
07-07-14

Contractor / Driller H & C Plant Hire Ltd	Method/Plant Used JCB 3CX	Logged By S Weston	Co-Ordinates (NGR) E 389566.880 N 381445.690	Ground Level (m AOD) 86.570
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SAMPLES & TESTS						STRATA					Install / Backfill
Depth	Type	PID (ppmV)	HSV (kN/m <sup>2</sup> )	P Pen (kN/m <sup>2</sup> )	Water	Elev. (mAOD)	Depth (Thickness)	Description	Legend	Geology	
0.10-0.30	ES					86.12	0.45	MADE GROUND: Light brown sandy angular fine and medium GRAVEL		GMG	
0.45-0.90 0.50-0.80	D ES					85.67	0.90	Brown slightly silty fine SAND (GLACIAL DEPOSITS)		GDU	
1.00-2.00 1.00-2.00 1.00-1.20	B D ES					84.37	2.20	Orange brown very silty fine SAND (GLACIAL DEPOSITS)		GDU	
2.30-2.50	D					83.37	3.20	Pinkish brown slightly silty fine SAND. Damp. (GLACIAL DEPOSITS)		GDU	

08 WSP TP LOG STANDARD WOODFORD LOGS - COMBINED-100914 - UP TO DATE VERSION GPJ WSPTEMPLATE1.03.GDT 11/12/14

	Length 3.00m	Shoring/Support: None	Water Strikes					
	Width 1.00m		Stability: Stable	Date	Time	Strike	Minutes	Standing
	Orientation degrees from north	<b>General Remarks</b> Trial pit complete at 3.2m bgl. No visual or olfactory evidence of contamination observed. No radiological readings above background recorded. Groundwater not encountered. Hole backfilled upon completion.						

Scale 1:25      Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.



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# TRIAL PIT LOG

Hole No.  
**TP126**

Project  
Woodford Aerodrome

Sheet  
1 of 1

Job No  
70004430

Client  
Harrow Estates Plc

Date  
07-07-14  
07-07-14

Contractor / Driller H & C Plant Hire Ltd	Method/Plant Used JCB 3CX	Logged By S Weston	Co-Ordinates (NGR) E 389775.320 N 381281.850	Ground Level (m AOD) 82.150
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SAMPLES & TESTS							STRATA					Install / Backfill
Depth	Type	PID (ppmV)	HSV (kNm <sup>2</sup> )	P Pen (kNm <sup>2</sup> )	Water	Elev. (mAOD)	Depth (Thickness)	Description	Legend	Geology		
0.10-0.80	ES					82.05	0.10	MADE GROUND: ASPHALT		TARMAC		
							(0.70)	MADE GROUND: boulders and cobbles of brown sandstone with ash and rare brick fragments.		GMG		
0.80-1.30	ES					81.35	0.80	MADE GROUND: Firm light grey sandy CLAY		CMG		
1.00-1.20	D						(0.90)					
1.70-2.20	D					80.45	1.70	Firm brown CLAY with fine rootlets (GLACIAL DEPOSITS)		GDU		
							(0.50)					
2.20-2.50	D					79.95	2.20	Firm grey slightly friable CLAY (GLACIAL DEPOSITS)		GDU		
							(1.00)					
3.20-3.50	B					78.95	3.20	Grey sandy GRAVEL. Gravel is subrounded to rounded fine to coarse sandstone (GLACIAL DEPOSITS)		GDU		
							(0.30)					
						78.65	3.50	Trial Pit terminated at 3.5m bgl				

08 WSP TP LOG STANDARD WOODFORD LOGS - COMBINED-100914 - UP TO DATE VERSION GPJ WSPTEMPLATE1.03.GDT 11/12/14

	Length 3.00m	Shoring/Support: None	Water Strikes					
	Width 1.00m		Stability: Stable	Date	Time	Strike	Minutes	Standing
	Orientation degrees from north	General Remarks Trial pit complete at 3.5m bgl. No visual or olfactory evidence of contamination observed. No radiological readings above background recorded. Groundwater not encountered. Hole backfilled upon completion.						
Scale 1:25	Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.							



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# TRIAL PIT LOG

Hole No.  
**TP127**

Project  
**Woodford Aerodrome**

Sheet  
**1 of 1**

Job No  
**70004430**

Client  
**Harrow Estates Plc**

Date  
**08-07-14  
08-07-14**

Contractor / Driller <b>H &amp; C Plant Hire Ltd</b>	Method/Plant Used <b>JCB 3CX</b>	Logged By <b>S Weston</b>	Co-Ordinates (NGR) <b>E 389813.920 N 381275.740</b>	Ground Level (m AOD) <b>82.320</b>
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SAMPLES & TESTS						STRATA					Install / Backfill
Depth	Type	PID (ppmV)	HSV (kNm <sup>2</sup> )	P Pen (kNm <sup>2</sup> )	Water	Elev. (mAOD)	Depth (Thickness)	Description	Legend	Geology	
0.10	ES					82.17	0.15	MADE GROUND: Brown sandy slightly gravelly SILT with rootlets. Gravel is angular fine to medium concrete and rare brick		CMG	
0.20	D					82.02	0.30	MADE GROUND: Light grey sandy angular fine to coarse gravel of limestone		GMG	
0.30	ES										
0.40	D										
							(0.50)				
						81.52	0.80	MADE GROUND: Dark bluish grey dark grey stained angular to sub angular fine to medium GRAVEL with rare angular coarse brick. Hydrocarbon odour.		GMG	
0.90	ES										
1.20	D										
							(1.40)				
1.60	D										
2.00	D										
2.20	ES					80.12	2.20	MADE GROUND: Brown stained dark grey silty fine SAND with hydrocarbon odour		GMG	
								Trial pit complete at at 2.2m bgl			

08 WSP TP LOG STANDARD WOODFORD LOGS - COMBINED-100914 - UP TO DATE VERSION GPJ WSPTEMPLATE1.03.GDT 11/12/14

	Length 3.00m	Shoring/Support: None	Water Strikes					
	Width 1.00m		Stability: Stable	Date	Time	Strike	Minutes	Standing
	Orientation degrees from north	General Remarks Trial pit complete at 2.20m bgl. Hydrocarbon odour encountered at 0.80m bgl. No radiological readings above background recorded. Groundwater not encountered. Hole backfilled upon completion.						
Scale 1:25	Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.							



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# TRIAL PIT LOG

Hole No.  
**TP128**

Project  
**Woodford Aerodrome**

Sheet  
**1 of 1**

Job No  
**70004430**

Client  
**Harrow Estates Plc**

Date  
**08-07-14  
08-07-14**

Contractor / Driller <b>H &amp; C Plant Hire Ltd</b>	Method/Plant Used <b>JCB 3CX</b>	Logged By <b>S Weston</b>	Co-Ordinates (NGR) <b>E 389888.470 N 381429.400</b>	Ground Level (m AOD) <b>82.340</b>
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SAMPLES & TESTS						STRATA					Install / Backfill
Depth	Type	PID (ppmV)	HSV (kN/m <sup>2</sup> )	P Pen (kN/m <sup>2</sup> )	Water	Elev. (mAOD)	Depth (Thickness)	Description	Legend	Geology	
0.40-0.50	ES					81.96	0.38	MADE GROUND: Reinforced CONCRETE		CONC	
						81.74	0.60	MADE GROUND: Light brown sandy angular fine to coarse GRAVEL of sandstone.		GMG	
0.70	ES							Firm red brown mottled grey slightly silty CLAY. Rare sub rounded medium to coarse gravel of quartzite. (GLACIAL DEPOSITS)		GDU	
1.00	D										
1.80-2.00	D							Firm brown, grey mottled friable gravelly, CLAY. (GLACIAL DEPOSITS)		GDU	
2.40-2.60	B ES					79.94	2.40	Red brown silty fine SAND (GLACIAL DEPOSIT)		GDU	
2.40-2.60	ES					79.74	2.60	Trial Pit terminated at 2.6m bgl			

08 WSP TP LOG STANDARD WOODFORD LOGS - COMBINED-100914 - UP TO DATE VERSION GPJ WSPTEMPLATE1.03.GDT 11/12/14

	Length	3.00m	Shoring/Support: None	Water Strikes					
	Width	1.00m		Stability: Stable	Date	Time	Strike	Minutes	Standing
	Orientation	degrees from north				2.40			
<p>Scale 1:25</p> <p>Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.</p>				<p>General Remarks</p> <p>Trial pit complete at 2.60m bgl. No visual or olfactory evidence of contamination observed. No radiological readings above background recorded. groundwater encountered at 2.40m bgl. Hole backfilled upon completion.</p>					



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# TRIAL PIT LOG

Hole No.  
**TP129**

Project  
**Woodford Aerodrome**

Sheet  
**1 of 1**

Job No  
**70004430**

Client  
**Harrow Estates Plc**

Date  
**08-07-14  
08-07-14**

Contractor / Driller <b>H &amp; C Plant Hire Ltd</b>	Method/Plant Used <b>JCB 3CX</b>	Logged By <b>S Weston</b>	Co-Ordinates (NGR) <b>E 389792.340 N 381532.860</b>	Ground Level (m AOD) <b>82.980</b>
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SAMPLES & TESTS						STRATA				Install / Backfill	
Depth	Type	PID (ppmV)	HSV (kN/m <sup>2</sup> )	P.Pen (kN/m <sup>2</sup> )	Water	Elev. (mAOD)	Depth (Thickness)	Description	Legend		Geology
0.30-0.40	ES					82.91	0.07	MADE GROUND: ASPHALT		TARMAC	
							(0.23)	MADE GROUND: Reinforced CONCRETE		CONC	
						82.68	0.30	MADE GROUND: Dark grey gravelly ash and fine to medium gravel of burnt coal		GMG	
0.60-1.00 0.60-0.80	B ES					82.38	0.60				
						82.28	0.70	Soft light grey brown sandy CLAY (GLACIAL DEPOSITS)		GDU	
1.20 1.20	D ES						(0.40)	Light brown grey silty fine SAND (GLACIAL DEPOSITS)		GDU	
							(1.10)	Firm reddish brown mottled grey slightly sandy CLAY (GLACIAL DEPOSITS)		GDU	
						81.88	1.10				
2.00	D						(0.50)	Firm reddish brown, grey mottled, slightly gravelly sandy CLAY (GLACIAL DEPOSITS)		GDU	
						80.78	2.20				
						80.28	2.70	Trial Pit terminated at 2.7m bgl			

08 WSP TP LOG STANDARD WOODFORD LOGS - COMBINED-100914 - UP TO DATE VERSION GPJ WSPTEMPLATE1.03.GDT 11/12/14

	Length 3.00m	Shoring/Support: None	Water Strikes					
	Width 1.00m		Stability: Stable	Date	Time	Strike	Minutes	Standing
	Orientation degrees from north	General Remarks Trial pit complete at 2.7m bgl. No visual or olfactory evidence of contamination observed. No radiological readings above background recorded. Groundwater not encountered. Hole backfilled upon completion.						
Scale 1:25	Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.							



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# TRIAL PIT LOG

Hole No.  
**TP130**

Project  
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Sheet  
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Job No  
70004430

Client  
Harrow Estates Plc

Date  
08-07-14  
08-07-14

Contractor / Driller H & C Plant Hire Ltd	Method/Plant Used JCB 3CX	Logged By S Weston	Co-Ordinates (NGR) E 389800.610 N 381472.430	Ground Level (m AOD) 82.300
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SAMPLES & TESTS							STRATA					Install / Backfill
Depth	Type	PID (ppmV)	HSV (kNm <sup>2</sup> )	P Pen (kNm <sup>2</sup> )	Water	Elev. (mAOD)	Depth (Thickness)	Description	Legend	Geology		
0.40-0.50	ES					81.97	0.33	MADE GROUND: Reinforced CONCRETE		CONC		
1.00-1.20	ES					80.65	1.65	MADE GROUND: Light brown sandy angular fine to coarse GRAVEL of sandstone, with rare sandstone cobbles. Rare angular brick fragments.		GMG		
1.80-1.80	D ES						(1.32)	Firm brown slightly sandy, slightly gravelly CLAY with rare thin sandy partings. Gravel is subrounded medium to coarse (GLACIAL DEPOSITS)		GDU		
2.60	D					79.30	3.00					
Trial Pit terminated at 3m bgl												

08 WSP TP LOG STANDARD WOODFORD LOGS - COMBINED-100914 - UP TO DATE VERSION GPJ WSPTEMPLATE1.03.GDT 11/12/14

	Length 3.00m	Shoring/Support: None	Water Strikes					
	Width 1.00m		Date	Time	Strike	Minutes	Standing	Remarks
	Orientation degrees from north	Stability: Stable	<b>General Remarks</b> Trial pit complete at 3m bgl. No visual or olfactory evidence of significant contamination observed. No radiological readings above background recorded. Groundwater not encountered. Hole backfilled upon completion.					
Scale 1:25	Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.							



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# TRIAL PIT LOG

Hole No.  
**TP131**

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Woodford Aerodrome

Sheet  
1 of 1

Job No  
70004430

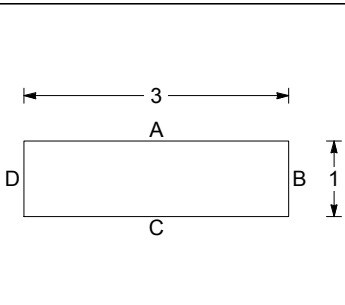
Client  
Harrow Estates Plc

Date  
04-07-14  
04-07-14

Contractor / Driller H & C Plant Hire Ltd	Method/Plant Used JCB 3CX	Logged By J Kinchington	Co-Ordinates (NGR) E 389683.130 N 381571.830	Ground Level (m AOD) 86.730
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SAMPLES & TESTS						STRATA					Install / Backfill
Depth	Type	PID (ppmV)	HSV (kN/m <sup>2</sup> )	P Pen (kN/m <sup>2</sup> )	Water	Elev. (mAOD)	Depth (Thickness)	Description	Legend	Geology	
0.10	ES	0				86.53	(0.20) 0.20	Grass over dark brown slightly gravelly fine SAND with rootlets. Gravel is fine to coarse angular to subrounded of various lithologies (TOPSOIL).		TS	
0.40	ES	1				86.33	(0.20) 0.40	Brown slightly silty slightly gravelly SAND. Gravel is fine to coarse angular to subrounded of various lithologies. (GLACIAL DEPOSITS).		GDU	
			90			86.03	(0.30) 0.70	Orange brown slightly silty slightly gravelly medium SAND. Gravel is fine to coarse subangular to rounded of various lithologies. (GLACIAL DEPOSITS)		GDU	
0.80	D					85.73	(0.30) 1.00	Stiff high strength reddish brown slightly gravelly sandy friable CLAY. Gravel is medium occasionally fine rounded. (GLACIAL DEPOSITS)		GDU	
							(1.80)	Orange brown fine and medium SAND. (GLACIAL DEPOSIT)		GDU	
2.50	B					83.93	2.80	2.50 m bgl; becoming slightly clayey.			
								Trial pit complete at 2.80m bgl.			

08 WSP TP LOG STANDARD WOODFORD LOGS - COMBINED-100914 - UP TO DATE VERSION GPJ WSPTEMPLATE1.03.GDT 11/12/14



Length  
3.00m

Width  
1.00m

Orientation  
degrees from north

Shoring/Support:  
None

Stability:  
Stable

Water Strikes					
Date	Time	Strike	Minutes	Standing	Remarks

General Remarks  
Trial pit complete at 2.8m bgl. No visual or olfactory evidence of contamination observed. No radiological readings above background recorded. Groundwater not encountered. Hole backfilled upon completion.

Scale 1:25

Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.



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# TRIAL PIT LOG

Hole No.  
**TP132**

Project  
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Sheet  
1 of 1

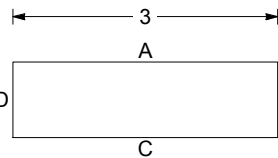
Job No  
70004430

Client  
Harrow Estates Plc

Date  
04-07-14  
04-07-14

Contractor / Driller H & C Plant Hire Ltd	Method/Plant Used JCB 3CX	Logged By J Kinchington	Co-Ordinates (NGR) E 389663.330 N 381487.490	Ground Level (m AOD) 85.430
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SAMPLES & TESTS						STRATA					Install / Backfill
Depth	Type	PIV (ppmV)	HSV (kNm <sup>2</sup> )	P Pen (kNm <sup>2</sup> )	Water	Elev. (mAOD)	Depth (Thickness)	Description	Legend	Geology	
0.30	ES					85.38	0.05	ASPHALT		TARMAC	
						85.23	0.20	CONCRETE (reinforced with 5mm rebar)		CONC	
						(0.30)		MADE GROUND: Grey occasionally brown and pale grey sandy angular to subrounded GRAVEL of clinker and various lithologies with frequent angular cobbles of yellow sandstone.		GMG	
0.60	ES							Light brown slightly gravelly fine SAND. Gravel is medium and coarse subrounded and subangular of various lithologies. (GLACIAL DEPOSITS)			
1.00	B					(1.50)					
2.00	D		60			83.43	2.00	Firm reddish brown mottled grey sandy friable CLAY. (GLACIAL DEPOSITS)		GDU	
						82.93	2.50	Reddish brown clayey fine and medium SAND. (GLACIAL DEPOSITS)		GDU	
3.00	B					82.43	3.00	Trial Pit complete at 3.00m bgl			



Length  
3.00m

Width  
1.00m

Orientation  
degrees from north

Shoring/Support:  
None

Stability:  
Stable

Water Strikes					
Date	Time	Strike	Minutes	Standing	Remarks
		2.50			

General Remarks  
Trial pit complete at 3.00m bgl. No visual or olfactory evidence of contamination observed. No radiological readings above background recorded. Slight seepage of groundwater encountered at 2.50m bgl. Hole backfilled upon completion.

Scale 1:25

Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.

08 WSP TP LOG STANDARD WOODFORD LOGS - COMBINED-100914 - UP TO DATE VERSION GPJ WSPTEMPLATE1.03.GDT 11/12/14





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# TRIAL PIT LOG

Hole No.  
**TP133**

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1 of 1

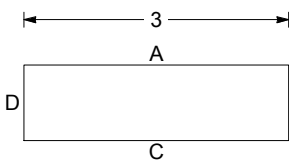
Job No  
70004430

Client  
Harrow Estates Plc

Date  
04-07-14  
04-07-14

Contractor / Driller H & C Plant Hire Ltd	Method/Plant Used JCB 3CX	Logged By J Kinchington	Co-Ordinates (NGR) E 389584.120 N 381570.540	Ground Level (m AOD) 87.680
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SAMPLES & TESTS						STRATA					Install / Backfill
Depth	Type	PID (ppmV)	HSV (kN/m <sup>2</sup> )	P.Pen (kN/m <sup>2</sup> )	Water	Elev. (mAOD)	Depth (Thickness)	Description	Legend	Geology	
0.20	ES	0			↓	87.18	0.50	MADE GROUND: Long grass over dark brown slightly gravelly fine SAND with rootlets. Gravel is fine to coarse angular to rounded of various lithologies (TOPSOIL).		GMG	
0.60	ES	0		87.08		0.60	MADE GROUND: Yellowish grey and black fine and medium angular GRAVEL of ash and clinker with occasional subangular cobbles of sandstone. Orange brown occasionally pale grey fine and medium SAND. (GLACIAL DEPOSITS).		GMG		
1.00	B					(1.20)				GDU	
						85.88	1.80	Trial pit terminated at 1.80m bgl due to instability			



Length  
3.00m

Width  
1.00m

Orientation  
degrees from north

Shoring/Support:  
None

Stability:  
1.00m bgl; Trial pit collapse.

Water Strikes					
Date	Time	Strike	Minutes	Standing	Remarks
		1.50			

**General Remarks**  
Trial pit abandoned at 1.80 bg due to instability. No visual or olfactory evidence of contamination observed. No radiological readings above background recorded. Seepage of groundwater encountered at 1.50m bgl. Hole backfilled upon completion.

Scale 1:25

Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.

08 WSP TP LOG STANDARD WOODFORD LOGS - COMBINED-100914 - UP TO DATE VERSION GPJ WSPTEMPLATE1.03.GDT 11/12/14



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# TRIAL PIT LOG

Hole No.  
**TP134**

Project  
**Woodford Aerodrome**

Sheet  
**1 of 1**

Job No  
**70004430**

Client  
**Harrow Estates Plc**

Date  
**04-07-14  
04-07-14**

Contractor / Driller <b>H &amp; C Plant Hire Ltd</b>	Method/Plant Used <b>JCB 3CX</b>	Logged By <b>J Kinchington</b>	Co-Ordinates (NGR) <b>E 389414.930 N 381650.410</b>	Ground Level (m AOD) <b>89.250</b>
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SAMPLES & TESTS						STRATA					Install / Backfill
Depth	Type	PID (ppmV)	HSV (kN/m <sup>2</sup> )	P Pen (kN/m <sup>2</sup> )	Water	Elev. (mAOD)	Depth (Thickness)	Description	Legend	Geology	
0.10	ES					88.75	(0.50)	Grass over dark brown slightly gravelly fine SAND with rootlets. Gravel is fine to coarse of sandstone and various lithologies (TOPSOIL).		TS	
0.60	ES					88.45	(0.30)	Brown slightly gravelly fine and medium SAND. Gravel is coarse rounded of sandstone. (GLACIAL DEPOSITS).		GDU	
1.00	D		65				(1.70)	Firm medium strength reddish brown mottled grey slightly gravelly sandy friable CLAY with rare cobbles. Gravel is fine to coarse subangular to rounded of coal and sandstone. (GLACIAL DEPOSITS) 1.00 m bgl; gravel becoming fine and medium.		GDU	
2.00	D					86.75	2.50	Trial pit complete at 2.50m bgl.			

08 WSP TP LOG STANDARD WOODFORD LOGS - COMBINED-100914 - UP TO DATE VERSION GPJ - WSPTEMPLATE1.03.GDT 11/12/14

	Length	3.00m	Shoring/Support: None	Water Strikes					
	Width	1.00m		Stability: Stable	Date	Time	Strike	Minutes	Standing
	Orientation	degrees from north	<b>General Remarks</b> Trial pit complete at 2.5m bgl. No visual or olfactory evidence of contamination observed. No radiological readings above background recorded. Groundwater not encountered. Hole backfilled upon completion.						
Scale 1:25	Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.								



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# TRIAL PIT LOG

Hole No.  
**TP135**

Project  
**Woodford Aerodrome**

Sheet  
**1 of 1**

Job No  
**70004430**

Client  
**Harrow Estates Plc**

Date  
**04-07-14  
04-07-14**

Contractor / Driller <b>H &amp; C Plant Hire Ltd</b>	Method/Plant Used <b>JCB 3CX</b>	Logged By <b>S Weston</b>	Co-Ordinates (NGR) <b>E 389362.220 N 381687.050</b>	Ground Level (m AOD) <b>88.990</b>
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SAMPLES & TESTS						STRATA					Install / Backfill
Depth	Type	PID (ppmV)	HSV (kN/m <sup>2</sup> )	P Pen (kN/m <sup>2</sup> )	Water	Elev. (mAOD)	Depth (Thickness)	Description	Legend	Geology	
0.20	ES					88.74	(0.25) 0.25	Grass over brown slightly sandy SILT with rootlets (TOPSOIL)		TS	
0.60 0.60 0.70-1.20	D ES B					88.34	(0.40) 0.65	Brown slightly silty fine SAND (GLACIAL DEPOSITS)		GDU	
						87.99	(0.35) 1.00	Grey fine SAND (GLACIAL DEPOSITS)		GDU	
						87.59	(0.40) 1.40	Brown fine and medium SAND (GLACIAL DEPOSITS)		GDU	
1.60	D					87.29	(0.30) 1.70	Firm red brown slightly gravelly CLAY with some light grey mottling. Gravel is rounded fine and medium sandstone (GLACIAL DEPOSITS)		GDU	
						86.49	(0.80) 2.50	Firm brown slightly sandy CLAY. (GLACIAL DEPOSITS)		GDU	
2.50	D							Trial Pit terminated at 2.5m bgl			

08 WSP TP LOG STANDARD WOODFORD LOGS - COMBINED-100914 - UP TO DATE VERSION GPJ WSPTEMPLATE1.03.GDT 11/12/14

	Length	3.00m	Shoring/Support:			Water Strikes					
	Width	1.00m	None			Date	Time	Strike	Minutes	Standing	Remarks
	Orientation	degrees from north	Stability:			<b>General Remarks</b> Trial pit complete at 2.50m bgl. No visual or olfactory evidence of contamination observed. No radiological readings above background recorded. Groundwater not encountered. Hole backfilled upon completion.					
Scale 1:25			Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.								



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# TRIAL PIT LOG

Hole No.  
**TP136**

Project  
**Woodford Aerodrome**

Sheet  
**1 of 1**

Job No  
**70004430**

Client  
**Harrow Estates Plc**

Date  
**04-07-14  
04-07-14**

Contractor / Driller <b>H &amp; C Plant Hire Ltd</b>	Method/Plant Used <b>JCB 3CX</b>	Logged By <b>S Weston</b>	Co-Ordinates (NGR) <b>E 389374.730 N 381830.890</b>	Ground Level (m AOD) <b>86.810</b>
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SAMPLES & TESTS						STRATA					Install / Backfill
Depth	Type	PID (ppmV)	HSV (kN/m2)	P Pen (kN/m2)	Water	Elev. (mAOD)	Depth (Thickness)	Description	Legend	Geology	
0.20-0.90	B					86.61	(0.20) 0.20	MADE GROUND: Grass over brown slightly silty slightly gravelly fine SAND. (TOPSOIL)		MG	
0.40-0.50	ES					86.21	(0.40) 0.60	MADE GROUND: Brown fine sand with rare brick fragements		MG	
						85.91	(0.30) 0.90	POSSIBLE MADE GROUND: Brown fine SAND		MG	
1.20	D					85.31	(0.60) 1.50	Firm grey CLAY with sandy pockets (GLACIAL DEPOSITS)		GDU	
1.50-2.00	B					84.21	(1.10) 2.60	Light brown fine and medium SAND with rare cobbles. (GLACIAL DEPOSITS)		GDU	
						83.81	(0.40) 3.00	Grey fine to medium SAND with rare gravel and sand sized coal in patches. (GLACIAL DEPOSITS)		GDU	
								Trial pit complete at 3m bgl			

08 WSP TP LOG STANDARD WOODFORD LOGS - COMBINED-100914 - UP TO DATE VERSION GPJ WSPTEMPLATE1.03.GDT 11/12/14

	Length m	Shoring/Support:	Water Strikes					
	Width m		Date	Time	Strike	Minutes	Standing	Remarks
	Orientation degrees from north	Stability: Unstable from 0.6m bgl	<b>General Remarks</b> Trial pit complete at 3.0m bgl. Slight hydrocarbon odour in Made Ground. No radiological readings above background recorded. No Groundwater encountered. Hole backfilled upon completion.					
Scale 1:25	Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.							



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# TRIAL PIT LOG

Hole No.  
**TP137**

Project  
**Woodford Aerodrome**

Sheet  
**1 of 1**

Job No  
**70004430**

Client  
**Harrow Estates Plc**

Date  
**04-07-14  
04-07-14**

Contractor / Driller <b>H &amp; C Plant Hire Ltd</b>	Method/Plant Used <b>JCB 3CX</b>	Logged By <b>J Kinchington</b>	Co-Ordinates (NGR) <b>E 389109.300 N 381867.880</b>	Ground Level (m AOD) <b>86.660</b>
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SAMPLES & TESTS						STRATA					Install / Backfill
Depth	Type	PID (ppmV)	HSV (kN/m <sup>2</sup> )	P.Pen (kN/m <sup>2</sup> )	Water	Elev. (mAOD)	Depth (Thickness)	Description	Legend	Geology	
0.10	ES					86.46	(0.20) 0.20	MADE GROUND: Long grass over dark brown slightly gravelly fine SAND with rootlets. Gravel is fine to coarse angular to subrounded of various lithologies. (TOPSOIL).		GMG	
0.40	ES					86.16	(0.30) 0.50	MADE GROUND: Grey mottled black sandy coarse angular and subangular GRAVEL of ash and various lithologies.		GMG	
0.60	ES						(0.90)	MADE GROUND: Orange brown fine to coarse SAND.  1.00 m bgl; 75mm diameter land drain.  1.20 m bgl; becoming clayey		GMG	
1.50	D					85.26	(0.40) 1.40	Firm reddish brown slightly sandy slightly gravelly CLAY. Gravel is fine to coarse angular to subrounded of various lithologies. (GLACIAL DEPOSITS).		GDU	
1.80	B ES					84.86	(1.20) 1.80	Reddish brown gravelly fine to coarse SAND with occasional rounded cobbles. Gravel is fine to coarse rounded. (GLACIAL DEPOSITS)		GDU	
						83.66	3.00	Trial pit complete at 3.00m bgl.			

08 WSP TP LOG STANDARD WOODFORD LOGS - COMBINED-100914 - UP TO DATE VERSION GPJ WSPTEMPLATE1.03.GDT 11/12/14

	Length m	Shoring/Support: None	Water Strikes					
	Width m		Date	Time	Strike	Minutes	Standing	Remarks
	Orientation degrees from north	Stability: Unstable from 2.7m bgl	<b>General Remarks</b> Trial pit complete at 3.00m bgl. No visual or olfactory evidence of contamination observed. No radiological readings above background recorded. No groundwater encountered. Hole backfilled upon completion.					
Scale 1:25	Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.							



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# TRIAL PIT LOG

Hole No.  
**TP138**

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Woodford Aerodrome

Sheet  
1 of 1

Job No  
70004430

Client  
Harrow Estates Plc

Date  
05-08-14  
05-08-14

Contractor / Driller H & C Plant Hire Ltd	Method/Plant Used JCB 3CX	Logged By J Kinchington	Co-Ordinates (NGR) E 389541.100 N 381862.970	Ground Level (m AOD) 85.450
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SAMPLES & TESTS						STRATA					Install / Backfill
Depth	Type	PID (ppmV)	HSV (kN/m <sup>2</sup> )	P Pen (kN/m <sup>2</sup> )	Water	Elev. (mAOD)	Depth (Thickness)	Description	Legend	Geology	
0.10	ES					85.25	0.20	MADE GROUND: Crops over brown gravelly fine SAND with rootlets. Gravel is fine to coarse subangular to subrounded of various lithologies. (TOPSOIL)		GMG	
						84.85	0.60	MADE GROUND: Yellow brown sandy medium and coarse angular GRAVEL with occasional cobbles of angular sandstone.		GMG	
0.60	D ES						(2.00)	Dark brown and black pseudofibrous to amorphous PEAT. (SUPERFICIAL DEPOSITS)		PEAT	
0.60						82.85	2.60				
							(0.30)	Soft light greyish blue sandy CLAY with occasional organic matter. (SUPERFICIAL DEPOSITS)		SUPD	
						82.55	2.90	2.60 m bgl; 2mm diameter inclusions of wood			
2.90	B							Trial pit abandoned at 2.90m bgl due to instability.			

08 WSP TP LOG STANDARD WOODFORD LOGS - COMBINED - 100914 - UP TO DATE VERSION GPJ WSPTEMPLATE1.03.GDT 11/12/14

	Length	3.00m	Shoring/Support:			Water Strikes					
	Width	1.00m	None	Date	Time	Strike	Minutes	Standing	Remarks		
	Orientation	degrees from north	Stability:	General Remarks							
Scale 1:25	Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.										

General Remarks  
Trial pit complete at 2.90m bgl. No visual or olfactory evidence of contamination observed. No radiological readings above background recorded. Groundwater not encountered. Hole backfilled upon completion.



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# TRIAL PIT LOG

Hole No.  
**TP139**

Project  
**Woodford Aerodrome**

Sheet  
**1 of 1**

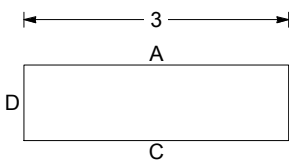
Job No  
**70004430**

Client  
**Harrow Estates Plc**

Date  
**05-08-14  
05-08-14**

Contractor / Driller <b>H &amp; C Plant Hire Ltd</b>	Method/Plant Used <b>JCB 3CX</b>	Logged By <b>J Kinchington</b>	Co-Ordinates (NGR) <b>E 389559.200 N 382057.710</b>	Ground Level (m AOD) <b>86.150</b>
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SAMPLES & TESTS						STRATA					Install / Backfill
Depth	Type	PID (ppmV)	HSV (kN/m <sup>2</sup> )	P Pen (kN/m <sup>2</sup> )	Water	Elev. (mAOD)	Depth (Thickness)	Description	Legend	Geology	
0.10	ES					85.95	(0.20)	MADE GROUND: Brown and black slightly gravelly ashy fine and medium SAND with rootlets. Gravel is fine to coarse angular of various.		GMG	
0.30	ES					85.65	(0.30)	MADE GROUND: Light brown sandy fine to coarse angular to subrounded GRAVEL of ash clinker and brick with frequent cobbles of yellow angular sandstone.		GMG	
1.00	D		62			84.95	(0.70)	Firm medium strength orange brown and light grey slightly sandy slightly gravelly CLAY. (GLACIAL DEPOSITS)		GDU	
							(1.20)	Firm medium strength reddish brown slightly gravelly CLAY. Gravel is angular to subrounded of sandstone and coal. (GLACIAL DEPOSITS)		GDU	
2.50	B		61			83.75	(0.60)	Brown slightly silty fine SAND. (GLACIAL DEPOSITS)		GDU	
						83.15	3.00	Trial pit complete at 3.00m bgl.			



Length  
3.00m

Width  
1.00m

Orientation  
degrees from north

Shoring/Support:  
None

Stability:  
Unstable from 2.40m bgl

Water Strikes					
Date	Time	Strike	Minutes	Standing	Remarks
		2.40			

**General Remarks**  
Trial pit complete at 3.00m bgl. No visual or olfactory evidence of contamination observed. No radiological readings above background recorded. Groundwater encountered as a slight seepage at 2.40m bgl. Hole backfilled upon completion.

Scale 1:25

Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.

08 WSP TP LOG STANDARD WOODFORD LOGS - COMBINED - 100914 - UP TO DATE VERSION GPJ WSPTEMPLATE1.03.GDT 11/12/14



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# TRIAL PIT LOG

Hole No.  
**TP140**

Project  
**Woodford Aerodrome**

Sheet  
**1 of 1**

Job No  
**70004430**

Client  
**Harrow Estates Plc**

Date  
**03-07-14  
03-07-14**

Contractor / Driller <b>H &amp; C Plant Hire Ltd</b>	Method/Plant Used <b>JCB 3CX</b>	Logged By <b>S Weston</b>	Co-Ordinates (NGR) <b>E 389834.290 N 382075.850</b>	Ground Level (m AOD) <b>85.220</b>
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SAMPLES & TESTS						STRATA					Install / Backfill
Depth	Type	PID (ppmV)	HSV (kN/m <sup>2</sup> )	P Pen (kN/m <sup>2</sup> )	Water	Elev. (m AOD)	Depth (Thickness)	Description	Legend	Geology	
0.30-0.40	ES					84.92	0.30	Hay over brown slightly clayey slightly sandy SILT (TOPSOIL)		TS	
						84.82	0.40	Orange brown fine and medium SAND (GLACIAL DEPOSITS)		ALV	
0.60-0.70 0.70-0.90	ES B					84.62	0.60	Firm grey sandy CLAY (GLACIAL DEPOSITS)		ALV	
						84.22	1.00	Grey gravelly fine to medium SAND with occasional lenses of clay. Gravel is subrounded medium to coarse grey sandstone. (GLACIAL DEPOSITS)		ALV	
1.10	D					83.62	1.60	Firm brown mottled grey sandy CLAY (GLACIAL DEPOSITS)		ALV	
						83.27	1.95	Firm grey, slightly mottled brown CLAY (GLACIAL DEPOSITS)		ALV	
1.90 2.00	D B					82.52	2.70	Grey slightly clayey SILT, with clay pockets and rare pieces of wood becoming clayey with depth (GLACIAL DEPOSITS)		ALV	
						81.72	3.50	Stiff grey CLAY (GLACIAL DEPOSITS)		ALV	
2.80	D										
3.50	D							Trial Pit terminated at 3.5m bgl			

08 WSP TP LOG STANDARD WOODFORD LOGS - COMBINED-100914 - UP TO DATE VERSION GPJ WSPTEMPLATE1.03.GDT 11/12/14

	Length	3.00m	Shoring/Support:			Water Strikes					
	Width	1.00m	None			Date	Time	Strike	Minutes	Standing	Remarks
	Orientation	degrees from north	Stability:			<b>General Remarks</b> Trial pit complete at 3.5m bgl. No visual or olfactory evidence of contamination observed. No radiological readings above background recorded. Groundwater not encountered. Hole backfilled upon completion.					
			Stable								
Scale 1:25	Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.										





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# TRIAL PIT LOG

Hole No.  
**TP141**

Project  
Woodford Aerodrome

Sheet  
1 of 1

Job No  
70004430

Client  
Harrow Estates Plc

Date  
03-07-14  
03-07-14

Contractor / Driller H & C Plant Hire Ltd	Method/Plant Used JCB 3CX	Logged By S Weston	Co-Ordinates (NGR) E 389737.510 N 381965.820	Ground Level (m AOD) 85.200
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SAMPLES & TESTS						STRATA					Install / Backfill
Depth	Type	PID (ppmV)	HSV (kNm <sup>2</sup> )	P.Pen (kNm <sup>2</sup> )	Water	Elev. (mAOD)	Depth (Thickness)	Description	Legend	Geology	
0.50-0.80 0.50-0.80	D ES					84.90	0.30	Hay over brown slightly clayey slightly sandy SILT (TOPSOIL)		TS	
						84.70	0.50	Brown silty fine SAND (GLACIAL DEPOSITS)		ALV	
1.00-1.50 1.00	B D					84.30	0.90	Light brown fine and medium SAND (GLACIAL DEPOSITS)		ALV	
						83.70	1.50	Light grey fine SAND becoming silty fine sand with depth (GLACIAL DEPOSITS)		ALV	
2.20	D					83.20	2.00	Stiff light purplish brown CLAY (GLACIAL DEPOSITS)		ALV	
							(1.70)	Very soft brown silty CLAY. Damp, becoming silt with depth (GLACIAL DEPOSITS)		ALV	
3.20	D					81.50	3.70	Trial Pit terminated at 3.7m bgl			

08 WSP TP LOG STANDARD WOODFORD LOGS - COMBINED-100914 - UP TO DATE VERSION GPJ WSPTEMPLATE1.03.GDT 11/12/14

	Length 3.00m	Shoring/Support: None	Water Strikes					
	Width 1.00m		Stability: Stable	Date	Time	Strike	Minutes	Standing
	Orientation degrees from north	General Remarks Trial pit complete at 3.7m bgl. No visual or olfactory evidence of contamination observed. No radiological readings above background recorded. Groundwater not encountered. Hole backfilled upon completion.						
Scale 1:25	Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.							



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# TRIAL PIT LOG

Hole No.  
**TP142**

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**Woodford Aerodrome**

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**1 of 2**

Job No  
**70004430**

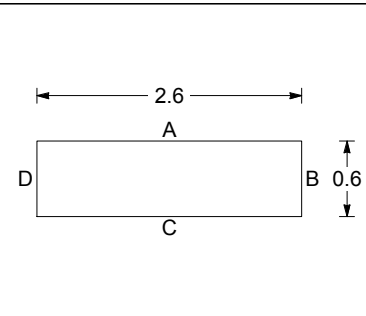
Client  
**Harrow Estates Plc**

Date  
**30-07-14  
30-07-14**

Contractor / Driller <b>H &amp; C Plant Hire Ltd</b>	Method/Plant Used <b>JCB 3CX</b>	Logged By <b>J. Watson</b>	Co-Ordinates (NGR) <b>E 389821.090 N 382644.140</b>	Ground Level (m AOD) <b>89.660</b>
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SAMPLES & TESTS						STRATA					Install / Backfill
Depth	Type	PID (ppmV)	HSV (kN/m <sup>2</sup> )	P.Pen (kN/m <sup>2</sup> )	Water	Elev. (mAOD)	Depth (Thickness)	Description	Legend	Geology	
0.10-0.20	ES	0				89.26	0.40	MADE GROUND: Grass over dark brown slightly clayey gravelly SAND. Gravel is fine to coarse subangular of sandstone with rare ash and clinker. (TOPSOIL)		GMG	
0.50-1.00 0.50-0.60	B D ES	0	50	42			(0.70)	MADE GROUND: Firm medium strength orange brown mottled grey slightly sandy slightly gravelly CLAY with occasional pockets of ash. Gravel is fine to medium rounded of various lithologies and fine of clinker.		CMG	
1.00	D		52			88.56	1.10	Stiff medium to high strength dark reddish brown mottled grey CLAY. Gravel is fine to coarse of various lithologies. (GLACIAL DEPOSITS)		GDU	
1.30	D		62				(1.40)				
2.40 2.50-2.60	D ES		70			87.16	2.50	Orange brown slightly clayey fine and medium SAND. (GLACIAL DEPOSITS)		GDU	
3.80-4.00	ES					85.66	4.00				

08 WSP TP LOG STANDARD WOODFORD LOGS - COMBINED-100914 - UP TO DATE VERSION GPJ - WSPTEMPLATE1.03.GDT 11/12/14



Length  
2.60m

Width  
0.60m

Orientation  
degrees from north

Shoring/Support:  
None

Stability:  
Stable

Water Strikes					
Date	Time	Strike	Minutes	Standing	Remarks

General Remarks  
Trial pit complete at 4.0m bgl. No visual or olfactory evidence of contamination observed. No radiological readings above background recorded. No Groundwater encountered. Hole backfilled upon completion.

Scale 1:25

Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.



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# TRIAL PIT LOG

Hole No.  
**TP142**

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Woodford Aerodrome

Sheet  
2 of 2

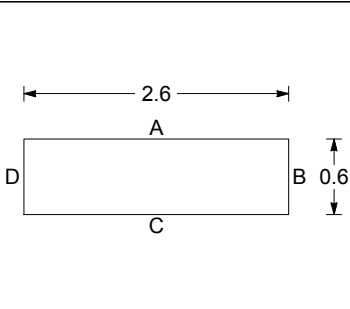
Job No  
70004430

Client  
Harrow Estates Plc

Date  
30-07-14  
30-07-14

Contractor / Driller H & C Plant Hire Ltd	Method/Plant Used JCB 3CX	Logged By J. Watson	Co-Ordinates (NGR) E 389821.090 N 382644.140	Ground Level (m AOD) 89.660
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SAMPLES & TESTS							STRATA					Install / Backfill
Depth	Type	PID (ppmV)	HSV (kN/m <sup>2</sup> )	P Pen (kN/m <sup>2</sup> )	Water	Elev. (mAOD)	Depth (Thickness)	Description	Legend	Geology		
								Trial pit complete at 4.0m bgl				



Length  
2.60m

Width  
0.60m

Orientation  
degrees from north

Shoring/Support:  
None

Stability:  
Stable

Water Strikes					
Date	Time	Strike	Minutes	Standing	Remarks

General Remarks  
Trial pit complete at 4.0m bgl. No visual or olfactory evidence of contamination observed. No radiological readings above background recorded. No Groundwater encountered. Hole backfilled upon completion.

Scale 1:25

Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.

08 WSP TP LOG STANDARD WOODFORD LOGS - COMBINED-100914 - UP TO DATE VERSION GPJ WSPTEMPLATE1.03.GDT 11/12/14



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# TRIAL PIT LOG

Hole No.  
**TP143**

Project  
Woodford Aerodrome

Sheet  
1 of 1

Job No  
70004430

Client  
Harrow Estates Plc

Date  
30-07-14  
30-07-14

Contractor / Driller H & C Plant Hire Ltd	Method/Plant Used JCB 3CX	Logged By J. Watson	Co-Ordinates (NGR) E 389805.250 N 381757.340	Ground Level (m AOD) 85.770
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SAMPLES & TESTS						STRATA					Install / Backfill
Depth	Type	PID (ppmV)	HSV (kN/m <sup>2</sup> )	P.Pen (kN/m <sup>2</sup> )	Water	Elev. (mAOD)	Depth (Thickness)	Description	Legend	Geology	
0.10-0.20	ES	0					(0.50)	MADE GROUND: Brown slightly clayey slightly gravelly SAND. Gravel is fine and medium angular of various lithologies with rare brick.		GMG	
0.50-0.60	ES	0	90			85.27	0.50	Stiff high strength brown mottled light grey sandy slightly gravelly CLAY. Gravel is fine and medium rounded to subrounded of various lithologies with occasional pockets of grey fine and medium clayey fine and medium sand. (GLACIAL DEPOSITS)		GDU	
1.00	D		100				(1.10)				
2.00	D		30			84.17	1.60	Soft locally firm low strength reddish brown slightly gravelly CLAY. Gravel is fine and medium rounded and subrounded of various lithologies. (GLACIAL DEPOSITS)		GDU	
						83.57	2.20	Trial pit complete at 2.2m bgl			

08 WSP TP LOG STANDARD WOODFORD LOGS - COMBINED-100914 - UP TO DATE VERSION GPJ WSPTEMPLATE1.03.GDT 11/12/14

	Length	2.80m	Shoring/Support: None	Water Strikes					
	Width	0.60m		Stability: Stable	Date	Time	Strike	Minutes	Standing
	Orientation	degrees from north		<b>General Remarks</b> Trial pit complete at 2.2m bgl. No visual or olfactory evidence of contamination observed. No radiological readings above background recorded. No Groundwater encountered. Hole backfilled upon completion.					
Scale 1:25	Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.								



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# TRIAL PIT LOG

Hole No.  
**TP144**

Project  
Woodford Aerodrome

Sheet  
1 of 1

Job No  
70004430

Client  
Harrow Estates Plc

Date  
03-07-14  
03-07-14

Contractor / Driller H & C Plant Hire Ltd	Method/Plant Used JCB 3CX	Logged By S Weston	Co-Ordinates (NGR) E 389676.710 N 381769.740	Ground Level (m AOD) 85.380
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SAMPLES & TESTS						STRATA					Install / Backfill
Depth	Type	PID (ppmV)	HSV (kN/m <sup>2</sup> )	P Pen (kN/m <sup>2</sup> )	Water	Elev. (mAOD)	Depth (Thickness)	Description	Legend	Geology	
0.00-0.40	ES						(0.40)	Hay over dark brown silty fine SAND with rootlets (TOPSOIL)		TS	
0.40-0.60	ES					84.98	0.40	Light brown fine and medium SAND with occasional thin (<10mm) peat partings (GLACIAL DEPOSIT)		ALV	
0.90-1.50	B						(1.00)	Light brownish grey fine and medium SAND (GLACIAL DEPOSITS)		GDU	
						83.78	1.60				
							(0.40)	Light orange brown fine gravelly, SAND. Gravel is rounded fine and medium gravel of sandstone (GLACIAL DEPOSIT)		GDU	
						83.38	2.00				
								Trial Pit terminated at 2m bgl			

08 WSP TP LOG STANDARD WOODFORD LOGS - COMBINED-100914 - UP TO DATE VERSION GPJ WSPTEMPLATE1.03.GDT 11/12/14

	Length 3.00m	Shoring/Support: None	Water Strikes					
	Width 1.00m		Stability: Stable	Date	Time	Strike	Minutes	Standing
	Orientation degrees from north	<b>General Remarks</b> Trial pit complete at 2m bgl. No visual or olfactory evidence of contamination observed. No radiological readings above background recorded. Groundwater not encountered. Hole backfilled upon completion.						
Scale 1:25	Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.							



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# TRIAL PIT LOG

Hole No.  
**TP145**

Project  
Woodford Aerodrome

Sheet  
1 of 1

Job No  
70004430

Client  
Harrow Estates Plc

Date  
30-07-14  
30-07-14

Contractor / Driller H & C Plant Hire Ltd	Method/Plant Used JCB 3CX	Logged By J. Watson	Co-Ordinates (NGR) E 389657.890 N 382547.240	Ground Level (m AOD) 90.510
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SAMPLES & TESTS						STRATA					Install / Backfill
Depth	Type	PID (ppmV)	HSV (kN/m <sup>2</sup> )	P Pen (kN/m <sup>2</sup> )	Water	Elev. (mAOD)	Depth (Thickness)	Description	Legend	Geology	
0.10-0.20	ES	0				90.26	0.25	Grass over dark brown slightly clayey slightly gravelly SAND. Gravel is fine and medium subangular of various lithologies (TOPSOIL)		TS	
0.30-0.40	ES	0						Stiff high strength dark orange brown slightly sandy slightly gravelly CLAY. Gravel is fine and medium rounded and subrounded of various lithologies. (GLACIAL DEPOSITS)		GDU	
0.50	D		70				(0.75)				
			96								
1.00-1.50	B					89.51	1.00	Orange brown medium SAND. (GLACIAL DEPOSITS)		GDU	
							(1.50)				
						88.01	2.50	Trial pit complete at 2.5m bgl			

08 WSP TP LOG STANDARD WOODFORD LOGS - COMBINED-100914 - UP TO DATE VERSION GPJ WSPTEMPLATE1.03.GDT 11/12/14

	Length 2.80m	Shoring/Support: None	Water Strikes					
	Width 0.60m		Stability: Stable	Date	Time	Strike	Minutes	Standing
	Orientation degrees from north	General Remarks Trial pit complete at 2.5m bgl. No visual or olfactory evidence of contamination observed. No radiological readings above background recorded. No Groundwater encountered. Hole backfilled upon completion.						
Scale 1:25	Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.							



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# TRIAL PIT LOG

Hole No.  
**TP146**

Project  
Woodford Aerodrome

Sheet  
1 of 1

Job No  
70004430

Client  
Harrow Estates Plc

Date  
03-07-14  
03-07-14

Contractor / Driller H & C Plant Hire Ltd	Method/Plant Used JCB 3CX	Logged By S Weston	Co-Ordinates (NGR) E 389722.540 N 381871.350	Ground Level (m AOD) 85.870
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SAMPLES & TESTS						STRATA					Install / Backfill
Depth	Type	PID (ppmV)	HSV (kN/m <sup>2</sup> )	P Pen (kN/m <sup>2</sup> )	Water	Elev. (mAOD)	Depth (Thickness)	Description	Legend	Geology	
0.40	ES					85.52	0.35	Hay over brown slightly clayey slightly sandy SILT with rootlets (TOPSOIL)		TS	
0.50-1.00	B						(1.00)	Firm grey locally sandy CLAY (GLACIAL DEPOSITS)		GDU	
1.40	ES					84.52	1.35	Firm brown grey mottled sandy CLAY (GLACIAL DEPOSITS)		GDU	
1.50	D					84.27	1.60	Soft brown CLAY (GLACIAL DEPOSITS)		GDU	
1.70	D					83.87	2.00	Soft brown CLAY (GLACIAL DEPOSITS)		GDU	
								Trial Pit terminated at 2m bgl			

08 WSP TP LOG STANDARD WOODFORD LOGS - COMBINED-100914 - UP TO DATE VERSION GPJ WSPTEMPLATE1.03.GDT 11/12/14

	Length	3.00m	Shoring/Support: None	Water Strikes					
	Width	1.00m		Stability: Stable	Date	Time	Strike	Minutes	Standing
	Orientation	degrees from north	<b>General Remarks</b> Trial pit complete at 2m bgl. No visual or olfactory evidence of contamination observed. No radiological readings above background recorded. Groundwater not encountered. Hole backfilled upon completion.						
Scale 1:25	Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.								



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# TRIAL PIT LOG

Hole No.  
**TP147**

Project  
Woodford Aerodrome

Sheet  
1 of 1

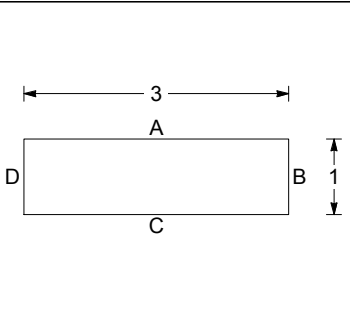
Job No  
70004430

Client  
Harrow Estates Plc

Date  
04-08-14  
04-08-14

Contractor / Driller H & C Plant Hire Ltd	Method/Plant Used JCB 3CX	Logged By J Kinchington	Co-Ordinates (NGR) E 389980.200 N 382459.600	Ground Level (m AOD) 87.020
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SAMPLES & TESTS						STRATA					Install / Backfill
Depth	Type	PID (ppmV)	HSV (kN/m <sup>2</sup> )	P Pen (kN/m <sup>2</sup> )	Water	Elev. (mAOD)	Depth (Thickness)	Description	Legend	Geology	
0.20	ES					86.62	0.40	MADE GROUND: Grass over brown slightly gravelly fine and medium SAND with rootlets. (TOPSOIL).		GMG	
0.80	ES					86.22	0.80	MADE GROUND: Brown slightly clayey slightly gravelly SAND of brick ceramic and sandstone 0.60 m bgl; 200mm diameter concrete boulder		GMG	
1.50	B					85.82	1.20	Brown orange slightly gravelly fine and medium SAND. Gravel is fine to coarse subangular to subrounded of various lithologies. (GLACIAL DEPOSITS)		GDU	
							(2.00)	Grey becoming brown clayey fine SAND. (GLACIAL DEPOSITS)		GDU	
						83.82	3.20	Trial pit complete at 3.20m bgl.			



Length  
3.00m

Width  
1.00m

Orientation  
degrees from north

Shoring/Support:  
None

Stability:  
Stable

Water Strikes					
Date	Time	Strike	Minutes	Standing	Remarks

General Remarks  
Trial pit complete at 3.20m bgl. No visual or olfactory evidence of contamination observed. No radiological readings above background recorded. Groundwater not encountered. Hole backfilled upon completion.

Scale 1:25

Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.

08 WSP TP LOG STANDARD WOODFORD LOGS - COMBINED-100914 - UP TO DATE VERSION GPJ WSPTEMPLATE1.03.GDT 11/12/14





WSP  
150-182 The Quays  
M50 3SP  
Telephone: 0161 886 2400  
Fax:

# TRIAL PIT LOG

Hole No.  
**TP148**

Project  
Woodford Aerodrome

Sheet  
1 of 1

Job No  
70004430

Client  
Harrow Estates Plc

Date  
31-07-14  
31-07-14

Contractor / Driller H & C Plant Hire Ltd	Method/Plant Used JCB 3CX	Logged By J. Watson	Co-Ordinates (NGR) E 389803.270 N 382658.590	Ground Level (m AOD) 89.970
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SAMPLES & TESTS						STRATA					Install / Backfill
Depth	Type	PID (ppmV)	HSV (kN/m <sup>2</sup> )	P Pen (kN/m <sup>2</sup> )	Water	Elev. (mAOD)	Depth (Thickness)	Description	Legend	Geology	
0.10-0.20	ES	0				89.67	(0.30) 0.30	MADE GROUND: Grass over dark brown slightly clayey gravelly SAND. Gravel is fine and medium subangular of sandstone with rare ceramics ash and clinker.		GMG	
0.40-0.50	ES	0	42					PROBABLE MADE GROUND: Firm medium strength light orange brown mottled grey slightly sandy slightly gravelly CLAY. Gravel is fine to coarse rounded of various lithologies.		CMG	
0.50	D		40				(1.20)				
1.20	D		52					Firm dark redish brown mottled grey sandy CLAY. (GLACIAL DEPOSITS)		GDU	
			42			88.47	(0.20) 1.50				
						88.27	1.70				
						88.17	1.80	Brown clayey slightly gravelly medium and coarse SAND. Gravel is fine and medium rounded of various lithologies. (GLACIAL DEPOSITS)		GDU	
2.00	D		110					Stiff high strength reddish brown slightly sandy slightly gravelly CLAY with occasional pockets (10cm) of medium and coarse sand. Gravel is fine and medium rounded of various lithologies(GLACIAL DEPOSITS).		GDU	
			120				(1.10)				
2.80	D					87.07	2.90	Orange brown slightly clayey fine and medium SAND. (GLACIAL DEPOSITS)		GDU	
2.90-3.00	ES						(0.50)				
						86.57	3.40	Trial pit complete at 3.8m bgl			

08 WSP TP LOG STANDARD WOODFORD LOGS - COMBINED - 100914 - UP TO DATE VERSION GPJ WSPTEMPLATE1.03.GDT 11/12/14

	Length	2.80m	Shoring/Support: None	Water Strikes					
	Width	0.60m		Stability: Stable	Date	Time	Strike	Minutes	Standing
	Orientation	degrees from north				1.50			
Scale 1:25				Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.					
				<b>General Remarks</b> Trial pit complete at 3.8m bgl. No visual or olfactory evidence of contamination observed. No radiological readings above background recorded. Groundwater encountered as seepage at 1.5m bgl and 2.4m bgl. Hole backfilled upon completion.					



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# TRIAL PIT LOG

Hole No.  
**TP149**

Project  
Woodford Aerodrome

Sheet  
1 of 1

Job No  
70004430

Client  
Harrow Estates Plc

Date  
04-08-14  
04-08-14

Contractor / Driller H & C Plant Hire Ltd	Method/Plant Used JCB 3CX	Logged By J Kinchington	Co-Ordinates (NGR) E 389804.620 N 381887.470	Ground Level (m AOD) 85.770
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SAMPLES & TESTS						STRATA					Install / Backfill
Depth	Type	PID (ppmV)	HSV (kN/m <sup>2</sup> )	P.Pen (kN/m <sup>2</sup> )	Water	Elev. (mAOD)	Depth (Thickness)	Description	Legend	Geology	
0.10	ES	0					(0.50)	Grass over dark brown slightly gravelly fine SAND with rootlets. Gravel is fine to coarse rounded to subangular of various lithologies (TOPSOIL)		TS	
0.50	ES	0	86			85.27	0.50	Stiff high strength orange brown mottled grey sandy CLAY with medium and coarse gravel of subangular coal. (GLACIAL DEPOSITS)		GDU	
1.50	D		100			84.57	1.20	Firm medium strength reddish brown slightly sandy CLAY. (GLACIAL DEPOSITS)		GDU	
3.00	D		50				(2.10)			GDU	
			48			82.47	3.30	Trial pit terminated at 3.30m bgl.			

08 WSP TP LOG STANDARD WOODFORD LOGS - COMBINED-100914 - UP TO DATE VERSION GPJ WSPTEMPLATE1.03.GDT 11/12/14

	Length 3.00m	Shoring/Support: None	Water Strikes					
	Width 1.00m		Date	Time	Strike	Minutes	Standing	Remarks
	Orientation degrees from north	Stability: Stable	<b>General Remarks</b> Trial pit complete at 3.30m bgl. No visual or olfactory evidence of contamination observed. No radiological readings above background recorded. Groundwater not encountered. Hole backfilled upon completion.					
Scale 1:25	Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.							



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# TRIAL PIT LOG

Hole No.  
**TP150**

Project  
**Woodford Aerodrome**

Sheet  
**1 of 1**

Job No  
**70004430**

Client  
**Harrow Estates Plc**

Date  
**03-07-14  
03-07-14**

Contractor / Driller <b>H &amp; C Plant Hire Ltd</b>	Method/Plant Used <b>JCB 3CX</b>	Logged By <b>S Weston</b>	Co-Ordinates (NGR) <b>E 389971.550 N 382218.090</b>	Ground Level (m AOD) <b>84.900</b>
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SAMPLES & TESTS						STRATA					Install / Backfill
Depth	Type	PID (ppmV)	HSV (kNm <sup>2</sup> )	P.Pen (kNm <sup>2</sup> )	Water	Elev. (mAOD)	Depth (Thickness)	Description	Legend	Geology	
0.50	ES					84.70	(0.20) 0.20	MADE GROUND: Hay over brown slightly sandy SILT (TOPSOIL)		TS	
						84.50	(0.20) 0.40	MADE GROUND: Reinforced concrete		CONC	
1.20	ES					83.80	(0.70) 1.10	MADE GROUND: Brown and grey sandy GRAVEL and occasional cobbles and boulders of subangular fine to coarse concrete and rare clinker		GMG	
						83.50	(0.30) 1.40	MADE GROUND: Dark grey CLAY with possible black staining and rare brick fragments.		GMG	
1.70	ES					82.60	(0.90) 2.30	Firm grey slightly sandy CLAY with light grey silty medium and coarse sand partings. Boulder noted (500x300x300mm). (GLACIAL DEPOSITS)		GDU	
1.80	D										
2.00	B					82.40	(0.20) 2.50	Brown silty fine SAND (GLACIAL DEPOSITS)		GDU	
2.40	D										
3.00	D					81.20	(1.20) 3.70	Firm locally stiff brown sandy CLAY (GLACIAL DEPOSITS)		GDU	
								Borehole terminated at 3.7m bgl			

08 WSP TP LOG STANDARD WOODFORD LOGS - COMBINED-100914 - UP TO DATE VERSION GPJ WSPTEMPLATE1.03.GDT 11/12/14

	Length 3.00m	Shoring/Support: None	Water Strikes					
	Width 1.00m		Stability: Stable	Date	Time	Strike	Minutes	Standing
	Orientation degrees from north	General Remarks Trial pit complete at 3.70m bgl. No visual or olfactory evidence of contamination observed. No radiological readings above background recorded. Groundwater not encountered. Hole backfilled upon completion.						
Scale 1:25	Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.							



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# TRIAL PIT LOG

Hole No.  
**TP151**

Project  
**Woodford Aerodrome**

Sheet  
**1 of 1**

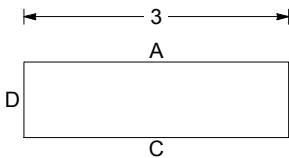
Job No  
**70004430**

Client  
**Harrow Estates Plc**

Date  
**04-08-14  
04-08-14**

Contractor / Driller <b>H &amp; C Plant Hire Ltd</b>	Method/Plant Used <b>JCB 3CX</b>	Logged By <b>J Kinchington</b>	Co-Ordinates (NGR) <b>E 389298.030 N 381722.300</b>	Ground Level (m AOD) <b>90.260</b>
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SAMPLES & TESTS						STRATA					Install / Backfill
Depth	Type	PID (ppmV)	HSV (kN/m <sup>2</sup> )	P Pen (kN/m <sup>2</sup> )	Water	Elev. (mAOD)	Depth (Thickness)	Description	Legend	Geology	
0.10	ES						(0.40)	PROBABLE MADE GROUND: Long grass over brown slightly gravelly SAND with rootlets. Gravel is fine to coarse subangular to rounded of various lithologies (TOPSOIL).		GMG	
0.40	ES					89.86	0.40	PROBABLE MADE GROUND: Loose orange brown slightly gravelly SAND. Gravel is medium and coarse rounded to subangular of various lithologies.		GMG	
			50				(0.60)	PROBABLE MADE GROUND: Firm reddish brown mottled grey slightly gravelly slightly sandy CLAY. Gravel is fine to coarse angular to subrounded of various lithologies		CMG	
1.20	ES	0				88.96	1.30	1.20 m bgl; black staining - faint odour			
1.40	D ES	0	104				(1.70)	Stiff high strength brown and grey slightly gravelly friable CLAY. Gravel is fine and medium rounded to subangular of various lithologies. (GLACIAL DEPOSIT).		SUPD	
3.00	D					87.26	3.00	Trial pit complete at 3.00m bgl.			



Length  
3.00m

Width  
1.00m

Orientation  
degrees from north

Shoring/Support:  
None

Stability:  
Stable

Water Strikes					
Date	Time	Strike	Minutes	Standing	Remarks

General Remarks  
Trial pit complete at 3.00 bgl. Black staining apparent at 1.20m bgl. No radiological readings above background recorded. No groundwater encountered. Hole backfilled upon completion.

Scale 1:25

Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.

08 WSP TP LOG STANDARD WOODFORD LOGS - COMBINED-100914 - UP TO DATE VERSION GPJ WSPTEMPLATE1.03.GDT 11/12/14



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# TRIAL PIT LOG

Hole No.  
**TP152**

Project  
Woodford Aerodrome

Sheet  
1 of 1

Job No  
70004430

Client  
Harrow Estates Plc

Date  
01-08-14  
01-08-14

Contractor / Driller H & C Plant Hire Ltd	Method/Plant Used JCB 3CX	Logged By J Kinchington	Co-Ordinates (NGR) E 389816.120 N 381336.800	Ground Level (m AOD) 82.200
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SAMPLES & TESTS						STRATA				Install / Backfill	
Depth	Type	PID (ppmV)	HSV (kN/m <sup>2</sup> )	P.Pen (kN/m <sup>2</sup> )	Water	Elev. (mAOD)	Depth (Thickness)	Description	Legend		Geology
0.30	ES	3				82.10	0.10	MADE GROUND: ASPHALT		TARMAC	
						81.90	0.30	MADE GROUND: Orange brown and occasionally yellow sandy fine to coarse very angular to subrounded GRAVEL of brick and various lithologies with angular cobbles of sandstone.		GMG	
0.80	ES	3					(0.20)	MADE GROUND: Black sandy ashy fine to coarse angular to subrounded GRAVEL of brick and various lithologies. Odour.		GMG	
							(0.50)				
1.40	ES					81.40	0.80	Soft dark grey sandy CLAY with relict organic matter. (GLACIAL DEPOSITS)		ALV	
							(0.60)				
1.50	B					80.80	1.40	Light brown and grey fine and medium SAND. (GLACIAL DEPOSITS)		ALV	
1.60	ES						(1.40)				
						79.40	2.80	Trial pit terminated at 2.80m bgl due to instability			

08 WSP TP LOG STANDARD WOODFORD LOGS - COMBINED-100914 - UP TO DATE VERSION GPJ WSPTEMPLATE1.03.GDT 11/12/14

	Length	3.00m	Shoring/Support:			Water Strikes					
	Width	1.00m	None			Date	Time	Strike	Minutes	Standing	Remarks
	Orientation	degrees from north	Stability:					1.40			
Scale 1:25			Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.								
			Running sand causing instability 1.40m bgl			<b>General Remarks</b> Trial pit complete at 2.80m bgl. Unidentified odour 0.3-0.8m bgl. No radiological readings above background recorded. Groundwater encountered at 1.40m bgl. Hole backfilled upon completion.					



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# TRIAL PIT LOG

Hole No.  
**TP155**

Project  
Woodford Aerodrome

Sheet  
1 of 1

Job No  
70004430

Client  
Harrow Estates Plc

Date  
30-07-14  
30-07-14

Contractor / Driller H & C Plant Hire Ltd	Method/Plant Used JCB 3CX	Logged By J. Watson	Co-Ordinates (NGR) E 389466.340 N 382505.150	Ground Level (m AOD) 90.050
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SAMPLES & TESTS						STRATA					Install / Backfill
Depth	Type	PID (ppmV)	HSV (kN/m <sup>2</sup> )	P.Pen (kN/m <sup>2</sup> )	Water	Elev. (mAOD)	Depth (Thickness)	Description	Legend	Geology	
0.10-0.20	ES	0				89.80	0.25	MADE GROUND: Grass over dark brown slightly clayey slightly gravelly SAND. Gravel is fine and medium subangular of various lithologies (TOPSOIL)		MG	
						89.45	0.60	MADE GROUND: Light brown slightly clayey sandy fine and medium angular GRAVEL of various lithologies including limestone.		GMG	
0.60-0.70	ES	0	110					Stiff high strength orange brown mottled greenish grey slightly sandy slightly gravelly CLAY. Gravel is fine and medium of various lithologies. (GLACIAL DEPOSITS)		GDU	
1.00-1.10	D		90								
1.50-1.70 1.50-1.60	B D		110 90				(1.60)				
2.00-2.20	D		80			87.85	2.20	Trial pit complete at 2.2m bgl			

08 WSP TP LOG STANDARD WOODFORD LOGS - COMBINED-100914 - UP TO DATE VERSION GPJ WSPTEMPLATE1.03.GDT 11/12/14

	Length 2.80m	Shoring/Support: None	Water Strikes					
	Width 0.60m		Date	Time	Strike	Minutes	Standing	Remarks
	Orientation degrees from north	Stability: Stable	<b>General Remarks</b> Trial pit complete at 2.2m bgl. No visual or olfactory evidence of contamination observed. No radiological readings above background recorded. Groundwater not encountered. Hole backfilled upon completion.					
Scale 1:25	Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.							



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# TRIAL PIT LOG

Hole No.  
**TP156**

Project  
Woodford Aerodrome

Sheet  
1 of 1

Job No  
70004430

Client  
Harrow Estates Plc

Date  
30-07-14  
30-07-14

Contractor / Driller H & C Plant Hire Ltd	Method/Plant Used JCB 3CX	Logged By J. Watson	Co-Ordinates (NGR) E 389577.650 N 382560.620	Ground Level (m AOD) 91.610
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SAMPLES & TESTS							STRATA					Install / Backfill
Depth	Type	PID (ppmV)	HSV (kN/m <sup>2</sup> )	P Pen (kN/m <sup>2</sup> )	Water	Elev. (mAOD)	Depth (Thickness)	Description	Legend	Geology		
0.30-0.50	B ES	0				91.31	0.30	MADE GROUND: Grass over dark brown slightly clayey slightly gravelly SAND. Gravel is fine and medium subangular of various lithologies (TOPSOIL)		TS		
0.30-0.50	B ES	0				90.76	0.55	MADE GROUND: Light brown sandy fine to coarse angular GRAVEL of limestone with broken and whole brick, occasional rebar wire and cobbles and boulders of concrete.		GMG		
0.85-1.00	D ES	0	60			90.61	1.00	Firm medium strength dark bluish grey sandy organic CLAY. (RELICT TOPSOIL)		SUPD		
1.00-1.30	B ES	0						Firm becoming stiff high strength orange brown mottled grey slightly sandy slightly gravelly CLAY. Gravel is fine and medium rounded of various lithologies. (GLACIAL DEPOSITS)		GDU		
1.00-1.25	B ES	0										
2.00	D		70				(1.50)	1.80 m bgl; Dark reddish brown				
2.50	D		100			89.11	2.50	Trial pit complete at 2.5m bgl				

08 WSP TP LOG STANDARD WOODFORD LOGS - COMBINED-100914 - UP TO DATE VERSION GPJ - WSPTEMPLATE1.03.GDT 11/12/14

	Length	2.80m	Shoring/Support: None	Water Strikes					
	Width	0.60m		Stability: Stable	Date	Time	Strike	Minutes	Standing
	Orientation	degrees from north	<b>General Remarks</b> Trial pit complete at 2.5m bgl. No visual or olfactory evidence of contamination observed. No radiological readings above background recorded. Groundwater not encountered. Hole backfilled upon completion.						
Scale 1:25	Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.								



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# TRIAL PIT LOG

Hole No.  
**TP157**

Project  
**Woodford Aerodrome**

Sheet  
**1 of 1**

Job No  
**70004430**

Client  
**Harrow Estates Plc**

Date  
**30-07-14  
30-07-14**

Contractor / Driller <b>H &amp; C Plant Hire Ltd</b>	Method/Plant Used <b>JCB 3CX</b>	Logged By <b>J. Watson</b>	Co-Ordinates (NGR) <b>E 389554.180 N 382491.280</b>	Ground Level (m AOD) <b>91.780</b>
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SAMPLES & TESTS							STRATA					Install / Backfill
Depth	Type	PID (ppmV)	HSV (kN/m <sup>2</sup> )	P Pen (kN/m <sup>2</sup> )	Water	Elev. (mAOD)	Depth (Thickness)	Description	Legend	Geology		
0.10-0.20	ES	0				91.53	0.25	Grass over dark brown slightly clayey slightly gravelly SAND. Gravel is fine and medium subangular of various lithologies (TOPSOIL)		TS		
0.40-0.50	ES	0	32					Soft low strength brown mottled greenish grey sandy slightly gravelly CLAY with occasional pockets of grey fine and medium sand. Gravel is fine and medium rounded to subrounded of various lithologies. (GLACIAL DEPOSITS)		GDU		
1.00	D		36									
1.50-2.00 1.50	B D		46			(2.45)		1.50 m bgl; becoming medium strength				
2.50	D		56			89.08	2.70	Trial pit complete at 2.7m bgl				

08 WSP TP LOG STANDARD WOODFORD LOGS - COMBINED-100914 - UP TO DATE VERSION GPJ WSPTEMPLATE1.03.GDT 11/12/14

Length: 2.80m  
Width: 0.60m  
Orientation: degrees from north

Shoring/Support: None

Stability: Stable

Water Strikes					
Date	Time	Strike	Minutes	Standing	Remarks

**General Remarks**  
Trial pit complete at 2.7m bgl. No visual or olfactory evidence of contamination observed. No radiological readings above background recorded. Groundwater not encountered. Hole backfilled upon completion.

Scale 1:25      Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.





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# TRIAL PIT LOG

Hole No.  
**TP158**

Project  
Woodford Aerodrome

Sheet  
1 of 1

Job No  
70004430

Client  
Harrow Estates Plc

Date  
31-07-14  
31-07-14

Contractor / Driller H & C Plant Hire Ltd	Method/Plant Used JCB 3CX	Logged By J. Watson	Co-Ordinates (NGR) E 389787.780 N 382586.820	Ground Level (m AOD) 90.300
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SAMPLES & TESTS						STRATA					Install / Backfill
Depth	Type	PID (ppmV)	HSV (kN/m <sup>2</sup> )	P Pen (kN/m <sup>2</sup> )	Water	Elev. (mAOD)	Depth (Thickness)	Description	Legend	Geology	
0.10-0.20	ES	0					(0.30)	MADE GROUND: Grass over stiff medium strength brown sandy slightly gravelly CLAY with occasional boulders of concrete. Gravel is fine and medium of various lithologies. (TOPSOIL)		TS	
0.20-0.50	ES					90.00	0.30				
0.50-1.00	B						(0.80)	Firm high strength orange brown mottled grey sandy slightly gravelly CLAY. Gravel is fine and medium of various lithologies. (GLACIAL DEPOSITS)		GDU	
0.50-0.60	ES	0	110								
1.00-1.10	D					89.20	1.10				
1.20-1.40	B		100					Orange brown medium SAND. (GLACIAL DEPOSITS)		GDU	
						87.80	2.50				
Trial pit complete at 2.5m bgl											

08 WSP TP LOG STANDARD WOODFORD LOGS - COMBINED-100914 - UP TO DATE VERSION GPJ - WSPTEMPLATE1.03.GDT 11/12/14

	Length	2.80m	Shoring/Support: None	Water Strikes					
	Width	0.60m		Date	Time	Strike	Minutes	Standing	Remarks
	Orientation	degrees from north	Stability:	General Remarks Trial pit complete at 2.5m bgl. No visual or olfactory evidence of contamination observed. No radiological readings above background recorded. Groundwater not encountered. Hole backfilled upon completion.					
Scale 1:25	Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.								



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# TRIAL PIT LOG

Hole No.  
**TP159**

Project  
Woodford Aerodrome

Sheet  
1 of 1

Job No  
70004430

Client  
Harrow Estates Plc

Date  
30-07-14  
30-07-14

Contractor / Driller H & C Plant Hire Ltd	Method/Plant Used JCB 3CX	Logged By J. Watson	Co-Ordinates (NGR) E 389493.840 N 382452.390	Ground Level (m AOD) 89.360
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SAMPLES & TESTS						STRATA					Install / Backfill
Depth	Type	PID (ppmV)	HSV (kN/m <sup>2</sup> )	P Pen (kN/m <sup>2</sup> )	Water	Elev. (mAOD)	Depth (Thickness)	Description	Legend	Geology	
0.00-0.30	ES	0						MADE GROUND: Grass over stiff brown very sandy slightly gravelly CLAY. Gravel is fine and medium of various lithologies (TOPSOIL)		TS	
0.10-0.20	ES						(0.60)				
0.30-0.50	ES	0				88.76	0.60				
0.60-0.70	B ES		26					Soft low strength brown sandy CLAY with pockets of fine to coarse sand. (GLACIAL DEPOSITS)		GDU	
1.00-1.10	D		24				(1.60)				
2.20-2.50	B					87.16	2.20	Orange brown clayey gravelly medium and coarse SAND. Gravel is fine angular of various lithologies. (GLACIAL DEPOSITS)		GDU	
						86.66	2.70	Trial pit complete at 2.7m bgl			

08 WSP TP LOG STANDARD WOODFORD LOGS - COMBINED-100914 - UP TO DATE VERSION GPJ WSPTEMPLATE1.03.GDT 11/12/14

Length: 2.80m

Width: 0.60m

Orientation: degrees from north

Shoring/Support: None

Stability: Unstable from 2.2m bgl

Water Strikes					
Date	Time	Strike	Minutes	Standing	Remarks
		2.60			Seepage

**General Remarks**  
Trial pit complete at 2.7m bgl. No visual or olfactory evidence of contamination observed. No radiological readings above background recorded. Groundwater encountered as seepage from 2.6m bgl. Hole backfilled upon completion.

Scale 1:25      Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.



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# TRIAL PIT LOG

Hole No.  
**TP160**

Project  
Woodford Aerodrome

Sheet  
1 of 1

Job No  
70004430

Client  
Harrow Estates Plc

Date  
05-08-14  
05-08-14

Contractor / Driller H & C Plant Hire Ltd	Method/Plant Used JCB 3CX	Logged By J Kinchington	Co-Ordinates (NGR) E 389655.680 N 382425.810	Ground Level (m AOD) 89.360
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SAMPLES & TESTS						STRATA					Install / Backfill
Depth	Type	PID (ppmV)	HSV (kNm <sup>2</sup> )	P.Pen (kNm <sup>2</sup> )	Water	Elev. (mAOD)	Depth (Thickness)	Description	Legend	Geology	
0.20	ES					89.16	(0.20) 0.20	MADE GROUND: Crops over brown slightly gravelly fine SAND with occasional subangular cobbles. Gravel is fine to coarse angular to rounded of various lithologies.		GMG	
						88.96	(0.20) 0.40	Soft dark grey brown organic CLAY		ALV	
0.50	ES							Brown slightly gravelly fine and medium SAND. Gravel is fine and medium subangular to rounded of various lithologies (GLACIAL DEPOSITS).		GDU	
1.00	B						(1.40)				
						87.56	1.80	Trial pit terminated at 1.80m bgl due to instability			

08 WSP TP LOG STANDARD WOODFORD LOGS - COMBINED-100914 - UP TO DATE VERSION GPJ WSPTEMPLATE1.03.GDT 11/12/14

	Length 3.00m	Shoring/Support: None	Water Strikes						
	Width 1.00m		Stability: Unstable from 0.60m bgl.	Date	Time	Strike	Minutes	Standing	Remarks
	Orientation degrees from north	General Remarks Trial pit complete at 1.80m bgl. Sides unstable. No visual or olfactory evidence of contamination observed. No radiological readings above background recorded. Groundwater not encountered. Hole backfilled upon completion.							
Scale 1:25	Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.								



WSP  
150-182 The Quays  
M50 3SP  
Telephone: 0161 886 2400  
Fax:

# TRIAL PIT LOG

Hole No.  
**TP161**

Project  
**Woodford Aerodrome**

Sheet  
**1 of 1**

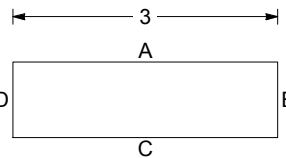
Job No  
**70004430**

Client  
**Harrow Estates Plc**

Date  
**01-08-14  
01-08-14**

Contractor / Driller <b>H &amp; C Plant Hire Ltd</b>	Method/Plant Used <b>JCB 3CX</b>	Logged By <b>J Kinchington</b>	Co-Ordinates (NGR) <b>E 389833.540 N 382485.830</b>	Ground Level (m AOD) <b>88.190</b>
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SAMPLES & TESTS						STRATA					Install / Backfill
Depth	Type	PID (ppmV)	HSV (kN/m <sup>2</sup> )	P Pen (kN/m <sup>2</sup> )	Water	Elev. (mAOD)	Depth (Thickness)	Description	Legend	Geology	
0.10	ES	0					(0.40)	Long grass over brown slightly gravelly fine SAND with rootlets. Gravel is fine to coarse well rounded to subangular of various lithologies (TOPSOIL)		TS	
0.40	ES	0				87.79	0.40	Orange reddish brown occasionally yellow fine and medium SAND. (GLACIAL DEPOSITS)			
1.00	B						(1.20)	1.00 m bgl; trial pit collapse		GDU	
						86.59	1.60				
							(0.80)	Reddish brown slightly silty fine SAND. (GLACIAL DEPOSITS)		GDU	
						85.79	2.40				
								Trial pit terminated at 2.40m bgl due to instability			



Length  
3.00m

Width  
1.00m

Orientation  
degrees from north

Shoring/Support:  
None

Stability:  
Unstable from 1.00m bgl

Water Strikes					
Date	Time	Strike	Minutes	Standing	Remarks
		1.70			

**General Remarks**  
Trial pit complete at 2.40m bgl. No visual or olfactory evidence of contamination observed. No radiological readings above background recorded. Groundwater encountered at 1.70m bgl. Hole backfilled upon completion.

Scale 1:25

Notes: All dimensions in metres. Logs should be read in accordance with the provided Key. Descriptions are based on visual and manual identification.

08 WSP TP LOG STANDARD WOODFORD LOGS - COMBINED-100914 - UP TO DATE VERSION GPJ - WSPTEMPLATE1.03.GDT 11/12/14