

Percussion Drilling Log

Project Name: Bourne End Junior Sports Club		Client: Norton Associates		Date: 18/02/2021	
Location: Bourn End, Buckinghamshire		Contractor: Impact Geotechnical Ltd			
Project No. : P21.116		Crew Name: SG		Drilling Equipment: Archway Dart	
Borehole Number WS1	Hole Type	Level	Logged By RM	Scale 1:25	Page Number Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
					0.10		MADE GROUND: Tarmac		
					0.30		MADE GROUND: Brown sandy Gravel. Sand is fine to coarse. Gravel is subangular to subrounded fine to coarse sized flint, brick and concrete. Occasional cobbles of brick and concrete (Sub-base).		
			0.50	D				Orange brown locally slightly clayey very silty slightly gravelly SAND. Sand is fine to medium. Gravel is subangular to subrounded fine to coarse sized flint (RIVER TERRACE DEPOSITS).	
			0.80	D					
	▼		1.00 - 1.50 1.00	D SPT	N=43 (2,8/9,10,11,13)	1.30			1
			1.50 - 2.00	D				Orange brown sandy GRAVEL. Sand is fine to coarse Gravel is subangular to subrounded fine to coarse sized flint (RIVER TERRACE DEPOSITS).	
			2.00 - 2.50 2.00	D SPT	N=25 (4,5/7,5,7,6)				2
			2.50 - 3.00	D					
		3.00	SPT	N=28 (1,1/3,4,6,15)			<i>Between 2.80-3.00m becoming very gravelly Sand.</i> <i>Between 3.00-3.30m becoming slightly sandy Clay.</i>	3	
		3.80	SPT	67 (16,28/32,35,,)					
					4.00		End of Borehole at 4.000m	4	
								5	

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks
 Hand dug starter pit dug to 1.00mbgl. Groundwater noted at ~1.00mbgl (groundwater felt to be perched within shallow soils). Refusal met at 4.00mbgl.



Probe Log

Probe No.
DP1

Sheet 1 of 1

Project Name: Bourne End Junior Sports Club	Project No. P21.116	Co-ords: -	Hole Type
Location: Bourn End, Buckinghamshire		Level: mbgl	Scale 1:25
Client: Norton Associates		Dates: 18/02/2021 - 18/02/2021	Logged By

Depth (m)	Blows/100mm				Torque (Nm)
	10	20	30	40	
4					67 60
5					
6					
7					
8					

Remarks Dynamic probing completed through base of window sample borehole at 4.00mbgl. Abort Reason	Fall Height	750	Cone Base Diameter	
	Hammer Wt	64	Final Depth	8.00
	Probe Type	DPSH-B	Log Scale	1:25
			Ground Water Level	



Percussion Drilling Log

Project Name: Bourne End Junior Sports Club		Client: Norton Associates		Date: 18/02/2021	
Location: Bourn End, Buckinghamshire		Contractor: Impact Geotechnical Ltd			
Project No. : P21.116		Crew Name: SG		Drilling Equipment: Archway Dart	
Borehole Number WS2	Hole Type	Level	Logged By RM	Scale 1:25	Page Number Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
WS2					0.10			MADE GROUND: Tarmac	
					0.30			MADE GROUND: Brown sandy Gravel. Sand is fine to coarse. Gravel is subangular to subrounded fine to coarse sized flint, brick and concrete. Occasional cobbles of brick and concrete (Sub-base).	
			0.50	D				Orange brown locally slightly clayey silty slightly gravelly SAND. Sand is fine to medium. Gravel is subangular to subrounded fine to coarse sized flint (RIVER TERRACE DEPOSITS).	
		▼	0.80	D					
			1.00 - 1.50 1.00	D SPT	N=19 (2,2/3,4,6,6)			Between 1.10-1.40m becoming clayey to very clayey.	1
			1.50 - 2.00	D		1.50		Orange brown sandy GRAVEL. Sand is fine to coarse Gravel is subangular to subrounded fine to coarse sized flint (RIVER TERRACE DEPOSITS).	
			2.00 - 3.00 2.00	D SPT	N=26 (6,6/6,6,7,7)				
		3.00 - 4.00 3.00	D SPT	N=40 (6,8/8,8,12,12)			Between 3.00-3.50m becoming very fine to coarse sandy .	3	
		4.00 - 4.50 4.00	D SPT	N=45 (5,7/9,10,12,14)				4	
		4.50	SPT	50 (6,17/50 for 265mm)	4.80			5	
End of Borehole at 4.800m									

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks
 Hand dug starter pit dug to 1.00mbgl. Groundwater noted at ~1.00mbgl (groundwater felt to be perched within shallow soils). Refusal met at 4.80mbgl.



Percussion Drilling Log

Project Name: Bourne End Junior Sports Club		Client: Norton Associates		Date: 19/02/2021	
Location: Bourn End, Buckinghamshire		Contractor: Impact Geotechnical Ltd			
Project No. : P21.116		Crew Name: SG		Drilling Equipment: Archway Dart	
Borehole Number WS3	Hole Type	Level	Logged By RM	Scale 1:25	Page Number Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
	▼				0.10		MADE GROUND: Tarmac		
		0.40	D		0.30		MADE GROUND: Brown sandy Gravel. Sand is fine to coarse. Gravel is subangular to subrounded fine to coarse sized flint, brick and concrete. Occasional cobbles of brick and concrete (Sub-base).		
		0.80	D				Orange clayey silty slightly gravelly SAND. Sand is fine to medium. Gravel is subangular to subrounded fine to coarse sized flint (RIVER TERRACE DEPOSITS).		
		1.00 - 1.60 1.00	D SPT	N=38 (6,7/10,10,8,10)	1.00		Orange brown silty sandy gravelly CLAY. Sand is fine to coarse. Gravel is subangular to subrounded fine to coarse sized flint (RIVER TERRACE DEPOSITS).	1	
		1.60 - 2.00	D		1.60		Orange brown sandy GRAVEL. Sand is fine to coarse Gravel is subangular to subrounded fine to coarse sized flint (RIVER TERRACE DEPOSITS).		
	2.00 - 3.00 2.00	D SPT	N=73 (4,10/17,18,19,19)					2	
	3.00	SPT	54 (19,24/25,29,,)	3.00			End of Borehole at 3.000m	3	
								4	
								5	

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks
 Hand dug starter pit dug to 1.00mbgl. Groundwater noted at ~0.10-0.30mbgl and recorded at a standing level of 1.20mbgl. at end of hole (groundwater felt to be perched within shallow soils). Refusal met at 3.00mbgl.



Probe Log

Probe No.

DP3

Sheet 1 of 1

Project Name: Bourne End Junior Sports Club	Project No. P21.116	Co-ords: -	Hole Type
Location: Bourn End, Buckinghamshire		Level: mbgl	Scale 1:25
Client: Norton Associates		Dates: 19/02/2021 - 19/02/2021	Logged By

Depth (m)	Blows/100mm				Torque (Nm)
	10	20	30	40	
3				38	
				43	
				47	49
					53
					62
4					
5					
6					
7					

Remarks Dynamic probing completed through base of window sample borehole at 3.00mbgl. Abort Reason	Fall Height	750	Cone Base Diameter
	Hammer Wt	64	Final Depth
	Probe Type	DPSH-B	Log Scale
			1:25
			Ground Water Level



Percussion Drilling Log

Project Name: Bourne End Junior Sports Club		Client: Norton Associates		Date: 19/02/2021	
Location: Bourn End, Buckinghamshire		Contractor: Impact Geotechnical Ltd			
Project No. : P21.116		Crew Name: SG		Drilling Equipment: Archway Dart	
Borehole Number WS4	Hole Type	Level	Logged By RM	Scale 1:25	Page Number Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
▼					0.10		MADE GROUND: Tarmac		
		0.50	D		0.60		MADE GROUND: Brown sandy Gravel. Sand is fine to coarse. Gravel is subangular to subrounded fine to coarse sized flint, brick and concrete. Occasional cobbles of brick and concrete (Sub-base).		
		0.80	D		1.00		Orange brown very clayey silty slightly gravelly SAND. Sand is fine to medium. Gravel is subangular to subrounded fine to coarse sized flint (RIVER TERRACE DEPOSITS).	1	
		1.00 - 1.30 1.00	D SPT	N=27 (,3/2,4,9,12)	1.30		Orange brown silty sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is subangular to subrounded fine to coarse sized flint (RIVER TERRACE DEPOSITS).		
		1.30 - 2.00	D		2.00		Orange brown sandy GRAVEL. Sand is fine to coarse Gravel is subangular to subrounded fine to coarse sized flint (RIVER TERRACE DEPOSITS). <i>Between 1.30-1.80m orange brown clayey sandy SILT).</i>	2	
		2.00	SPT	64 (,3/9,23,32,)	2.20		End of Borehole at 2.200m	3 4 5	

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks
 Hand dug starter pit dug to 1.00mbgl. Groundwater noted at ~0.90mbgl (groundwater felt to be perched within shallow soils). Refusal met at 2.20mbgl.



Probe Log

Probe No.
DP4

Sheet 1 of 1

Project Name: Bourne End Junior Sports Club	Project No. P21.116	Co-ords: -	Hole Type
Location: Bourn End, Buckinghamshire		Level: mbgl	Scale 1:25
Client: Norton Associates		Dates: 19/02/2021 - 19/02/2021	Logged By

Depth (m)	Blows/100mm				Torque (Nm)
	10	20	30	40	
2					
			27		
					53
					60
					60
3					
4					
5					
6					

Remarks Dynamic probing completed through base of window sample borehole at 2.20mbgl.	Fall Height	750	Cone Base Diameter
	Hammer Wt	64	Final Depth
	Probe Type	DPSH-B	Log Scale
	Abort Reason		Ground Water Level



Percussion Drilling Log

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Location: Bourn End, Buckinghamshire		Contractor: Impact Geotechnical Ltd			
Project No. : P21.116		Crew Name: SG		Drilling Equipment: Archway Dart	
Borehole Number WS5	Hole Type	Level	Logged By RM	Scale 1:25	Page Number Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
		Depth (m)	Type	Results					
Well		0.50	D		0.70		MADE GROUND: Grass over brown slightly clayey sandy slightly gravelly SILT. Sand is fine to medium. Gravel is subangular to subrounded fine to coarse sized flint.	1	
		0.80	D						Orange brown silty sandy slightly gravelly CLAY. Sand is fine to medium. Gravel is subangular to subrounded fine to coarse sized flint (RIVER TERRACE DEPOSITS).
		1.00 - 1.60 1.00	D SPT	N=12 (2,3/3,3,3,3)	1.60		Orange brown sandy GRAVEL. Sand is fine to coarse Gravel is subangular to subrounded fine to coarse sized flint (RIVER TERRACE DEPOSITS).		
		2.00 - 3.00 2.00	D SPT	N=59 (6,12/14,14,16,15)			2		
	3.00	SPT	N=45 (10,13/14,11,10,10)	3.00		End of Borehole at 3.000m	3		
								4	
								5	

Hole Diameter		Casing Diameter		Chiselling				Inclination and Orientation			
Depth Base	Diameter	Depth Base	Diameter	Depth Top	Depth Base	Duration	Tool	Depth Top	Depth Base	Inclination	Orientation

Remarks
Hand dug starter pit dug to 1.00mbgl. Groundwater not encountered. Refusal met at 3.00mbgl.

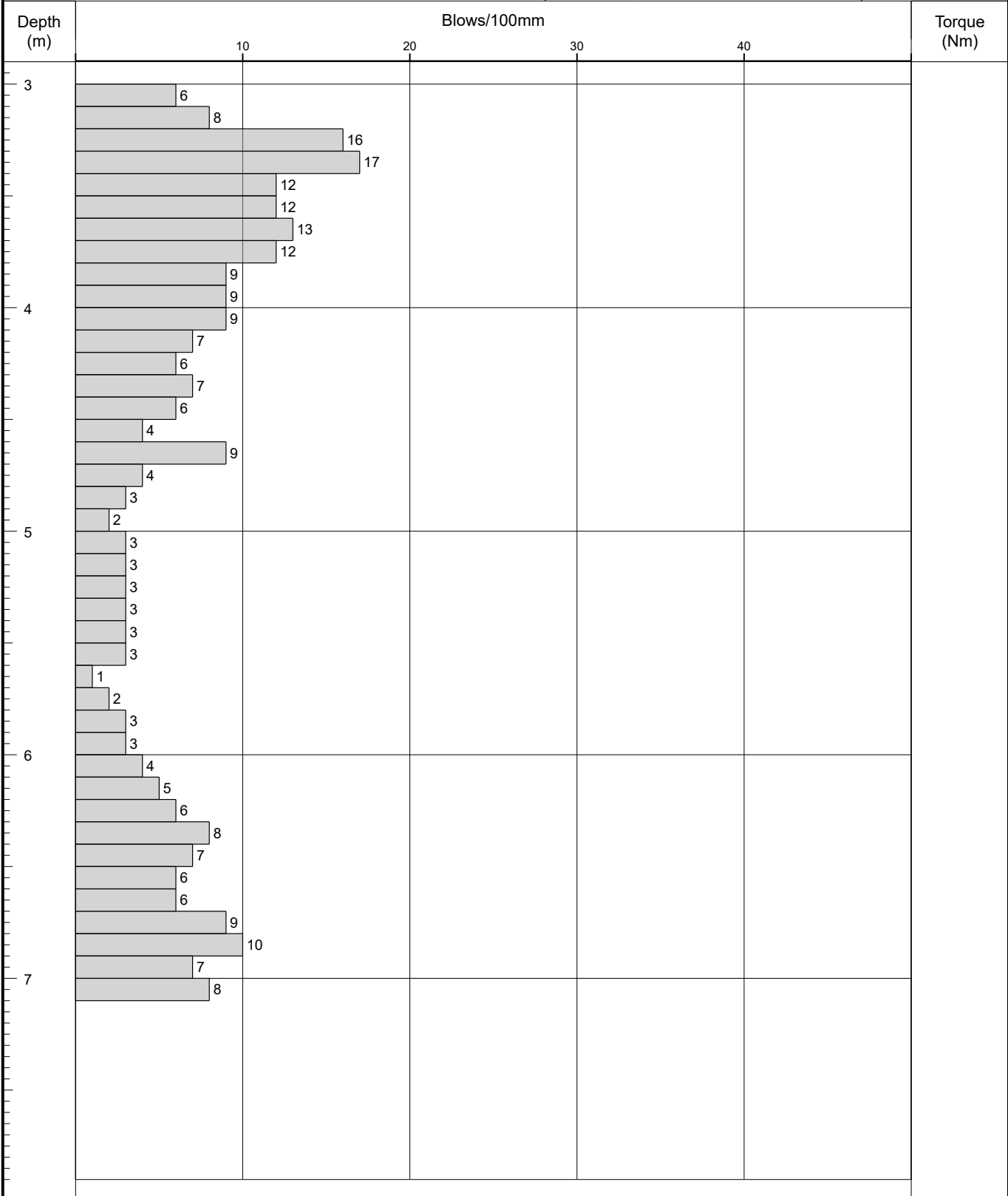


Probe Log

Probe No.
DP5

Sheet 1 of 1

Project Name: Bourne End Junior Sports Club	Project No. P21.116	Co-ords: -	Hole Type
Location: Bourn End, Buckinghamshire		Level: mbgl	Scale 1:25
Client: Norton Associates		Dates: 19/02/2021 - 19/02/2021	Logged By



Remarks Dynamic probing completed through base of window sample borehole at 3.00mbgl. Abort Reason	Fall Height	750	Cone Base Diameter	
	Hammer Wt	64	Final Depth	7.00
	Probe Type	DPSH-B	Log Scale	1:25
			Ground Water Level	

