Borehole No. **Borehole Log WS01** Sheet 1 of 1 Project No. **Hole Type** E: 303762.03 N: 858581.47 Project Name: Forres Academy Co-ords: GA 15176 WS Scale Location: **Burdsyard Road** Level: 11.78 1:25 Rig Type Client: Dates: Goodson Associates 20/11/2023 Competitor Dart Sample and In Situ Testing Water Depth Level Well Legend Stratum Description (m) Strikes (m) Depth (m) Results Type MADE GROUND: Grass over brown sandy gravelly topsoil with rare rootlets. Gravel is angular to subangular fine to coarse of various lithologies. 0.20 ES 0.30 11.48 MADE GROUND: Grey slightly gravelly fine sand. Gravel is subangular fine to coarse of various lithologies including occasional blaes. 0.50 В 0.50 0.50 ES CBR 8% 0.80 10.98 Medium dense brown slightly silty SAND and GRAVEL. Sand is fine to coarse. Gravel is subangular to subrounded fine to coarse of various lithologies. 1.00 1.00 ES 1.20 - 1.65 1.20 SPT N=26 (4,5/5,7,7,7) В 1.80 2.00 - 2.45 2.00 SPT N=12 (5,6/7,2,1,2) 2.30 9.48 Medium dense light brown slightly gravelly silty fine to medium SAND with rare gravel. 2.80 В 3.00 - 3.45 D 3 3.00 - 4.00 SPT 3.00 N=10 (2,2/3,2,3,2) 4.00 - 4.45 D 4.00 - 5.00 В

Remarks:

4.00

SPT

Inspection pit dug to a depth of 1.20m. Borehole progressed with windowless sampling techniques to a depth of 5.00m and terminated on Engineer's instruction. Water strike at 1.00m and remaining at this level after 20mins. Borehole fitted with a wellpoint on completion.

5.00

6.78

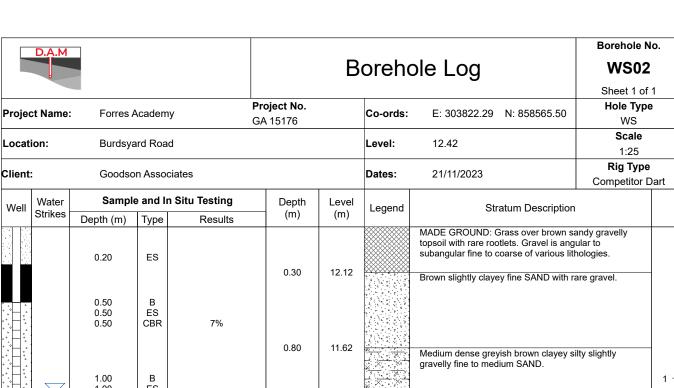
N=11 (2,2/3,2,3,3)

Logged By:	Checked By:
KP	SP

End of Borehole at 5.00m



5



_		1 (/	.)						
		0.20	ES					MADE GROUND: Grass over brown sandy gravelly topsoil with rare rootlets. Gravel is angular to subangular fine to coarse of various lithologies.	
					0.30	12.12	××××××××××××××××××××××××××××××××××××××	Brown slightly clayey fine SAND with rare gravel.	-
•		0.50 0.50 0.50	B ES CBR	7%					-
					0.80	11.62	***	Medium dense greyish brown clayey silty slightly gravelly fine to medium SAND.	- - - -
		1.00 1.00	B ES					gravelly fine to medium SAND.	1 -
		 1.20 - 1.65 1.20	D SPT	N=12 (1,2/2,3,4,3)					- - - -
				() -) -)	1.40	11.02		Medium dense becoming loose brown slightly silty SAND and GRAVEL. Sand is fine to coarse. Gravel is	-
								subangular to subrounded fine to coarse of various lithologies.	-
•		1.80	В						- - -
		2.00 - 2.45 2.00	D SPT	N=15 (3,4/4,5,3,3)					2 -
*//>									-
									-
		0.00							- - - -
		2.80 3.00 - 3.45	B D						3 —
		3.00	SPT	N=8 (2,2/2,2,2,2)					, - - - -
X///XX///									- - -
	///				3.45	8.97		End of Borehole at 3.45m	- - -
									-
									4 —
									- - - -
									- - - -
									5 —

Inspection pit dug to a depth of 1.20m. Borehole progressed with windowless sampling techniques to a depth of 3.45m and terminated on Engineer's instruction. Water strike at 1.10m and remaining at this level after 20mins. Borehole fitted with a wellpoint on completion.

Logged By:	Checked By:
KP	SP





Borehole No. WS03

Sheet 1 of 1

Project Name:Forres AcademyProject No.
GA 15176Co-ords:E: 303777.09N: 858533.87Hole Type
WSLocation:Burdsyard RoadLevel:11.88Scale
1:25

Client: Goodson Associates Dates: 20/11/2023 Rig Type
Competitor Dart

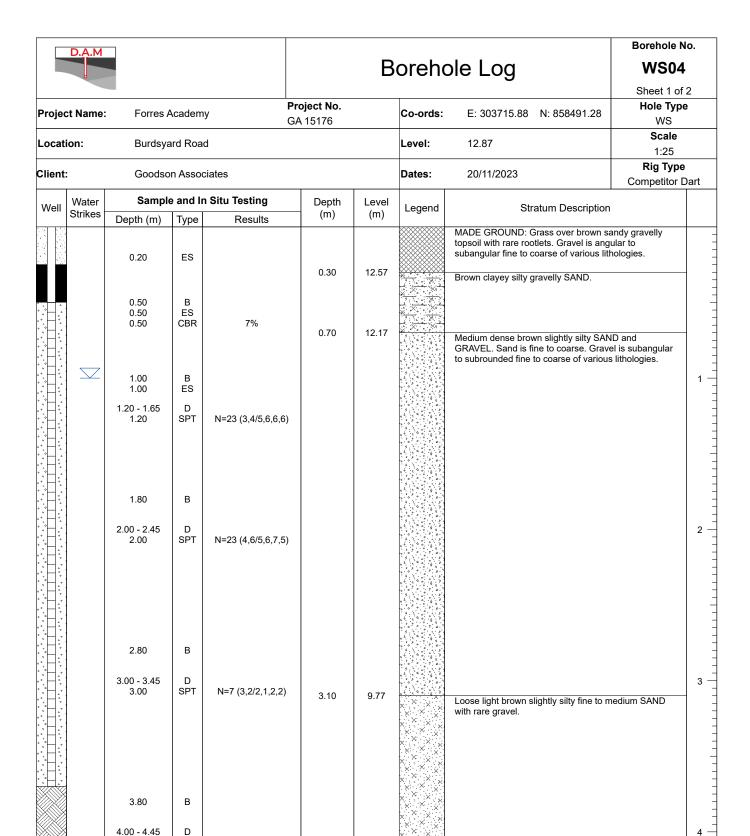
Client	nt: Goodson Associates						Dates: 20/11/2023 Competi			art
Well	Water Strikes			n Situ Testing	Depth (m)	Level (m)	Legend	Stratum Description		
X//XX//	Otrikes	Depth (m)	Туре	Results	(111)	(111)	***********	MADE GROUND: Grass over brown s	andy gravelly	
		0.20	ES		0.30	11.58		topsoil with rare rootlets. Gravel is ang subangular fine to coarse of various lit MADE GROUND: Grey slightly gravell	ular to hologies. y fine sand.	
		0.50 0.50 0.50	B ES CBR	10%				Gravel is subangular fine to coarse of lithologies including occasional blaes.	<i>r</i> arious	- - -
	\searrow	1.00	В		0.80	11.08		Medium dense brown slightly silty SAN GRAVEL. Sand is fine to coarse. Grav to subrounded fine to coarse of various	el is subangular	1 -
		1.00	ES D							
		1.20 - 1.65 1.20	SPT	N=21 (4,5/4,4,6,7)						- - - - - -
		1.80	В							
		2.00 - 2.45 2.00	D SPT	N=26 (5,6/7,7,6,6)						2 -
		2.80 3.00 - 3.45	В		2.70	9.18	× × × × × × × × × × × × × × × × × × ×	Loose becoming medium dense light be clayey very silty fine to medium SAND	rown slightly	3 -
		3.00	SPT	N=8 (2,1/2,2,2,2)						-
		3.80	В				× × × × × × × × × × × × × × × × × × ×			
		4.00 - 4.45 4.00	D SPT	N=10 (2,2/3,2,3,2)			× × × × × × × × × × × × × × × × × × ×			4 -
		4.45 - 4.90 4.45	D SPT	N=13 (2,3/3,3,3,4)			X X X X X X X X X X X X X X X X X X X			-
							× × × × × × × × × × × × × × × × × × ×			
x///>\//					5.00	6.88		End of Borehole at 5.00m		5 -

Remarks:

Inspection pit dug to a depth of 1.20m. Borehole progressed with windowless sampling techniques to a depth of 5.00m and terminated on Engineer's instruction. Water strike at 1.00m and remaining at this level after 20mins. Borehole backfilled with arisings on completion.

Logged By:	Checked By:
KP	SP





Inspection pit dug to a depth of 1.20m. Borehole progressed with windowless sampling techniques to a depth of 5.45m and terminated on Engineer's instruction. Water strike at 1.00m and remaining at this level after 20mins. Borehole fitted with a wellpoint on completion.

N=8 (2,2/2,2,2,2)

В

D

4.80

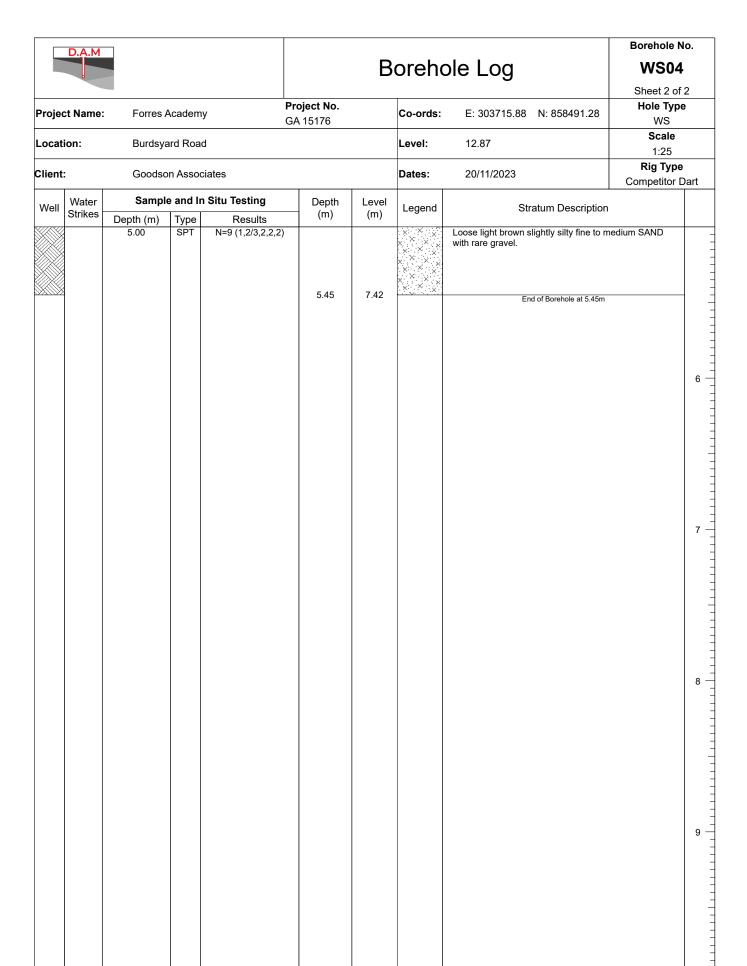
5.00 - 5.45

Logged By:	Checked By:
KP	SP

Continued on Next Sheet



5

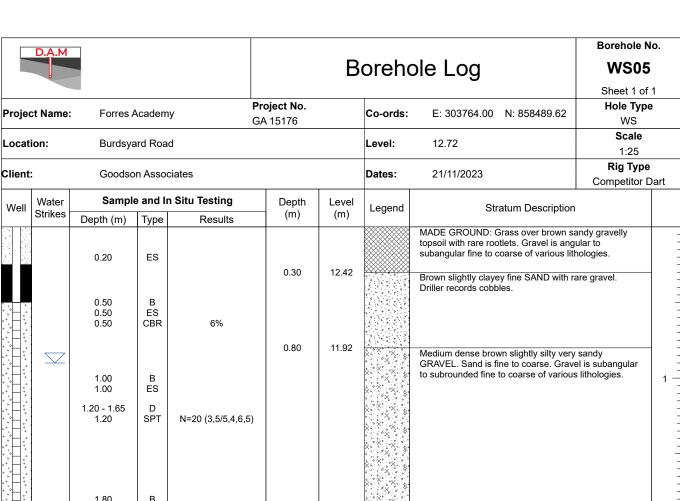


Inspection pit dug to a depth of 1.20m. Borehole progressed with windowless sampling techniques to a depth of 5.45m and terminated on Engineer's instruction. Water strike at 1.00m and remaining at this level after 20mins. Borehole fitted with a wellpoint on completion.

Logged By:	Checked By:
KP	SP



10 -



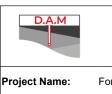
1.80 В 2.00 - 2.45 2.00 SPT N=14 (3,5/6,4,2,2) 2.30 10.42 Loose becoming medium dense greyish brown slightly silty fine to medium SAND with occasional lenses of grey thinly laminated clay. 2.80 В 3.00 - 3.45 3.00 SPT N=6 (1,2/1,2,1,2) В 3.80 4.00 - 4.45 4.00 N=12 (2,2/3,3,3,3) 4.80 В 5.00 7.72 5 End of Borehole at 5.00m

Remarks:

Inspection pit dug to a depth of 1.20m. Borehole progressed with windowless sampling techniques to a depth of 5.00m and terminated on Engineer's instruction. Water strike at 0.90m and remaining at this level after 20mins. Borehole fitted with a wellpoint on completion.

Logged By:	Checked By:
KP	SP





Borehole No. WS06

Sheet 1 of 1

Project Name:Forres AcademyProject No.
GA 15176Co-ords:E: 303796.61N: 858335.28Hole Type
WSLocation:Burdsyard RoadLevel:14.41Scale
1:25

Client: Goodson Associates Dates: 21/11/2023 Rig Type
Competitor Dart

/ell	Water	Sample	e and Ir	n Situ Testing	Depth	Level	Legend	Stratum Description	
CII	Strikes	Depth (m)	Туре	Results	(m)	(m)	Legend		
		0.20	ES		0.30	14.11		MADE GROUND: Grass over brown sandy gravelly topsoil with rare rootlets. Gravel is angular to subangular fine to coarse of various lithologies.	
		0.50 0.50	B ES		0.00			Brown slightly clayey fine SAND with rare gravel. Driller records cobbles.	
		0.50	CBR	6%	0.70	13.71		Medium dense brown slightly silty SAND and GRAVEL. Sand is fine to coarse. Gravel is subangular to subrounded fine to coarse of various lithologies.	
		1.00 1.00	B ES						
		1.20 - 1.65 1.20	D SPT	N=20 (3,5/5,4,6,5)					
		1.80	В						
		2.00 - 2.45 2.00	D SPT	N=11 (3,5/3,4,2,2)					
					2.30	12.11		Loose becoming medium dense greyish brown clayey silty gravely SAND (occasional lenses of grey thinly laminated clay noted by driller). Sand fine to medium.	
		2.80	В						
		3.00 - 3.45 3.00	D SPT	N=8 (1,1/2,2,2,2)					
		3.80	В						
		4.00 - 4.45 4.00	D SPT	N=23 (2,3/4,5,7,7)	4.10	10.31		Malian dans language links its CAND	
								Medium dense brown slightly silty SAND and GRAVEL. Sand is fine to coarse. Gravel is subangular to subrounded fine to coarse of various lithologies.	
3//					4.45	9.96	1 · · · · · · · · · · · · · · · · · · ·	End of Borehole at 4.45m	

Remarks:

Inspection pit dug to a depth of 1.20m. Borehole progressed with windowless sampling techniques to a depth of 4.45m and terminated on Engineer's instruction. Water strike at 0.90m and remaining at this level after 20mins. Borehole fitted with a wellpoint on completion.

	Logged By:	Checked By:
ı	KP	SP





Borehole No. WS07

Sheet 1 of 1

 Project Name:
 Forres Academy
 Project No. GA 15176
 Co-ords:
 E: 303775.68
 N: 858256.19
 Hole Type WS

 Location:
 Burdsyard Road
 Level:
 15.48
 Scale 1:25

Client: Goodson Associates Dates: 21/11/2023 Rig Type
Competitor Dart

Client		Goodso	n Asso	ciates			Dates:	21/11/2023	Competitor D	art
Well	Water Strikes			n Situ Testing	Depth (m)	Level (m)	Legend	Stratum Description		
	Otrikos	Depth (m)	Туре	Results	0.10	15.38		MADE GROUND: Tarmacadam.		
		0.20	ES					Brown SAND and GRAVEL. Sand is fir Gravel is subrounded of various lithology	e to coarse. gies.	- - -
					0.30	15.18		Brown slightly clayey fine SAND with ra Driller records cobbles.	are gravel.	
		0.50 0.50 0.50	B ES CBR	12%						-
		0.00	02.1	.2.7	0.80	14.68	·×	Dense brown silty very sandy GRAVEL	Cond in fine to	
		1.00	В				* · · · · · · · · · · · · · · · · · · ·	coarse. Gravel is subangular to subrou coarse of various lithologies.	nded fine to	1 -
		1.00	ES D				× × × ×			'
		1.20 - 1.65 1.20	SPT	N=37 (6,5/7,8,10,12)			× × × ×			-
							××××			- -
							× × × ×			-
		1.80	В				× × × ×			-
		2.00 - 2.45 2.00	D SPT	N=25 (8,10/8,7,5,5)			* ^ * * * * * *			2 -
							× × × ×			
							× ^ × × × × × ×			-
					2.50	12.98	x	Medium dense greyish brown slightly s medium SAND. Driller notes occasiona	ilty fine to Il lenses of	-
		2.80	В				x ^ x x x x x x	gravel.		-
		3.00 - 3.45	D				× ^ × × × × ×			3 -
		3.00	SPT	N=10 (2,2/3,2,3,2)			x: ^ x x x: x x x			-
							× × × × × × ×			-
					3.45	12.03	XXXXX	End of Borehole at 3.45m		- -
										-
										-
										4 -
										-
										-
										-
										-
										- - -
										5 —

Remarks:

Inspection pit dug to a depth of 1.20m. Borehole progressed with windowless sampling techniques to a depth of 3.45m and terminated on Engineer's instruction. Water strike at 1.40m and remaining at this level after 20mins. Borehole backfilled with arisings on completion.

	Logged By:	Checked By:
ı	KP	SP





Borehole No. WS08

Sheet 1 of 1

Project Name:Forres AcademyProject No.
GA 15176Co-ords:E: 303738.53N: 858240.92Hole Type
WSLocation:Burdsyard RoadLevel:15.82Scale
1:25

Client: Goodson Associates Dates: 23/11/2023 Rig Type
Competitor Dart

Client:		Goodso	n Asso	ciates			Dates:	23/11/2023	Competitor D	Dart
Well	Water		e and I	n Situ Testing	Depth	Level	Legend	Stratum Description		
X//XX/	Strikes	Depth (m)	Туре	Results	(m)	(m)	g	MADE GROUND: Concrete paving sla		
		0.20	ES		0.10	15.72 15.52		sand. MADE GROUND: Brown sand and grate to coarse. Grave its subrounded of var including slate.	ivel. Sand is fine ious lithologies	
		0.50 0.50 0.50	B ES CBR	21%				Brown slightly silty very sandy GRAVE to coarse. Gravel is subangular to sub coarse of various lithologies. Driller recobbles.	rounded fine to	-
		1.00 1.00	B ES		0.80	15.02		Dense brown slightly silty SAND and 0 is fine to coarse. Gravel is subangular fine to coarse of various lithologies.	GRAVEL. Sand to subrounded	1 -
		1.20 - 1.65 1.20	D SPT	N=50 (10,14/50 for 250mm)						-
		1.80	В							
		2.00 - 2.45 2.00	D SPT	50 (25 for 50mm/50 for 50mm)	2.10	13.72		End of Borehole at 2.10m		2 -
										-
										3 -
										-
										4 -
										-
										5 -

Remarks:

Inspection pit dug to a depth of 1.20m. Borehole progressed with windowless sampling techniques to a depth of 2.10m and terminated on possible boulder obstruction or bedrock. Water strike at 1.40m and remaining at this level after 20mins. Borehole backfilled with arisings on completion.

Logged By:	Checked By:
KP	SP





Borehole No. WS09

Sheet 1 of 1

Project Name:Forres AcademyProject No.
GA 15176Co-ords:E: 303802.04N: 858208.94Hole Type
WSLocation:Burdsyard RoadLevel:15.62Scale
1:25

Client: Goodson Associates Dates: 22/11/2023 Rig Type
Competitor Dart

lient:		Goodso	n Asso	ciates			Dates:	22/11/2023	Competitor D	Dart
	Water Strikes			n Situ Testing	Depth (m)	Level (m)	Legend	Stratum Description		
//	Otrikes	Depth (m)	Туре	Results	(111)	(111)	***********	MADE GROUND: Tarmacadam.		
		0.20	ES		0.10	15.52		MADE GROUND: Farmacadam. MADE GROUND: Brown sand and grato coarse. Gravel is subrounded of var	vel. Sand is fine ious lithologies.	
		0.50	В		0.30	15.32		Brown SAND and GRAVEL. Sand is fil Gravel is subangular to subrounded fir various lithologies. Driller records occa	e to coarse of	
		0.50 0.50 0.50	ES CBR	27%				Ç		
					0.80	14.82		Medium dense brown slightly silty SAN GRAVEL. Sand is fine to coarse. Grav to subrounded fine to coarse of various	el is subangular	
		1.00 1.00	B ES					to subjourned file to coalse of various	s innologies.	1
		1.20 - 1.65 1.20	D SPT	N=28 (4,6/5,7,8,8)						
		1.80	В							
		2.00 - 2.45 2.00	D SPT	N=15 (4,5/5,6,3,1)						2
					2.30	13.32	***** *****	Loose light brown clayey very sandy si to medium.	lt. Sand is fine	
							X X X X X X X X X X X X X X X X X X X			
		2.80 3.00 - 3.45	B				× × × × × × × × × × × × × × × × × × ×			3
		3.00	SPT	N=7 (1,1/2,2,1,2)						
							× × × × × × × × × × × × × × × × × × ×			
		3.70 3.80 - 4.10	B D		3.80	11.82	X X X X X X X X X X X X X X X X X X X	Dense brown silty slightly gravelly SA	ND Sand is fine	
		3.80	SPT	50 (25 for 100mm/50 for 200mm)	4.40	11 50		to coarse. Gravel is subangular to sub- coarse of various lithologies.	rounded fine to	4
					4.10	11.52		End of Borehole at 4.10m		
										į

Remarks:

Inspection pit dug to a depth of 1.20m. Borehole progressed with windowless sampling techniques to a depth of 4.10m and terminated on presumed boulder obstruction or bedrock. Water strike at 1.60m and remaining at this level after 20mins. Borehole backfilled with arisings on completion.

Logged By:	Checked By:
KP	SP





Borehole No. WS11

Sheet 1 of 1

Project Name:Forres AcademyProject No.
GA 15176Co-ords:E: 303794.89N: 858171.89Hole Type
WSLocation:Burdsyard RoadLevel:15.90Scale
1:25

Client: Goodson Associates Dates: 23/11/2023 Rig Type
Competitor Dart

, iieiit	•	Goodson Associates		Compe		Competitor Da	tor Dart			
Well	Water Strikes	Sample Depth (m)	e and I	n Situ Testing Results	Depth (m)	Level (m)	Legend	Stratum Description		
		0.20	ES	Nesulis	0.30	15.60		MADE GROUND: Grass over brown sa topsoil with rare rootlets. Gravel is ang subangular fine to coarse of various lith Brown slightly clayey fine SAND with ra	ular to nologies.	
		0.50 0.50 0.50	B ES CBR	15%	0.80	15.10		Driller records cobbles.		
		1.00 1.00	B ES		0.00		* ^ * * * * * * * * * * * * * * *	Loose greyish brown slightly silty fine to SAND with rare gravel.	o medium	1 -
		1.20 - 1.65 1.20	D SPT	N=6 (1,2/1,2,1,2)						
		1.80	В				*			
		2.00 - 2.45 2.00	D SPT	N=10 (2,3/2,3,3,2)						2
		2.80	В		2.60	13.30	* * * * * * * * * * * * * * * * * * *	Loose becoming medium dense greyis silty gravelly fine to medium SAND. Gr subangular fine to coarse of various lith	avel is	
		3.00 - 3.45 3.00	D SPT	N=7 (1,2/2,1,2,2)						3 -
		3.80	В				*			
		4.00 - 4.45 4.00	D SPT	N=10 (1,2/1,2,3,4)			*			4 -
		4.45 - 4.90 4.45	D SPT	N=14 (3,4/3,3,4,4)						
					4.90	11.00	* * * *	End of Borehole at 4.90m		5 -

Remarks:

Inspection pit dug to a depth of 1.20m. Borehole progressed with windowless sampling techniques to a depth of 4.90m and terminated on Engineer's instruction. Water strike at 1.20m and remaining at this level after 20mins. Borehole backfilled with arisings on completion.

	Logged By:	Checked By:
l	KP	SP





Borehole No. WS12

Sheet 1 of 1

 Project Name:
 Forres Academy
 Project No. GA 15176
 Co-ords:
 E: 303819.87
 N: 858150.64
 Hole Type WS

 Location:
 Burdsyard Road
 Level:
 15.61
 Scale 1:25

Client: Goodson Associates Dates: 22/11/2023 Rig Type
Competitor Dart

Client	ent: Goodson Assoc		Goodson Associates				Dates: 22/11/2023 Rig Compe			art
Well	Water				Depth	Level	Legend	Stratum Description		
WCII	Strikes	Depth (m)	Туре	Results	(m)	(m)	Logona	·		
		0.20	ES		0.10	15.51		MADE GROUND: Tarmacadam. MADE GROUND: Brown sand and grato coarse. Gravel is subrounded of var	ious lithologies.	- - -
		0.50 0.50 0.50	B ES CBR	24%	0.30	15.31 14.91		Brown SAND and GRAVEL. Sand is fit Gravel is subangular to subrounded fit various lithologies. Driller records occa	ne to coarse of sional cobbles.	- - - - - - -
		1.00	В		0.70	14.31		Medium dense brown slightly silty SAN GRAVEL. Sand is fine to coarse. Grav to subrounded fine to coarse of various	el is subangular	1 —
		1.00	ES							=
		1.20 - 1.65 1.20	D SPT	N=25 (3,4/5,6,7,7)						- - - - - - -
		1.80	В							=
		2.00 - 2.45 2.00	D SPT	N=0 (0,0/0,0,0,0)	1.90	13.71		Very loose becoming loose greyish brogravelly fine to medium SAND driller n pockets of sandy silt and rare gravel.		2
		2.80 3.00 - 3.45 3.00 3.80	B D SPT	N=8 (1,2/1,2,2,3)						3 —
		4.00 - 4.45 4.00	D SPT	N=9 (1,2/2,2,2,3)	4.20	11 11				4 —
		4.45 - 4.90 4.45	D SPT	N=23 (3,3/3,5,7,8)	4.20	11.41		Medium dense brown slightly silty SAN GRAVEL. Sand is fine to coarse. Grav to subrounded fine to coarse of various	el is subangular	- - - - - - - - - -
					4.90	10.71		End of Borehole at 4.90m		5 —

Remarks:

Inspection pit dug to a depth of 1.20m. Borehole progressed with windowless sampling techniques to a depth of 4.90m and terminated on Engineer's instruction. Water strike at 1.40m and remaining at this level after 20mins. Borehole backfilled with arisings on completion.

Logged By:	Checked By:
KP	SP





Borehole No. WS13

Sheet 1 of 1

Project Name:Forres AcademyProject No.
GA 15176Co-ords:E: 303773.97N: 858142.79Hole Type
WSLocation:Burdsyard RoadLevel:15.30Scale
1:25

Client: Goodson Associates Dates: 22/11/2023 Rig Type
Competitor Dart

	nt: Goodson Associates		Goodson Associates			Dates: 22/11/2023 Comp		Competitor Dart	
Well	Water Strikes		e and Ir	n Situ Testing	Depth	Level	Legend	Stratum Description	
///	Strikes	Depth (m)	Туре	Results	(m)	(m)	***********	MADE GROUND: Tarmacadam over b	
		0.20	ES		0.10	15.20		MADE GROUND: Tarriacadam over be MADE GROUND: Brown sand and grato coarse. Gravel is subrounded of var including slate.	vel. Sand is fine
		0.50 0.50 0.50	B ES CBR	16%	0.40	14.90		Brown slightly silty slightly gravelly fine records cobbles.	SAND. Driller
		1.00 1.00	B ES		0.80	14.50	* * *	Medium dense brown slightly silty SAN GRAVEL. Sand is fine to coarse. Grave to subrounded fine to coarse of various	el is subangular
		1.20 - 1.65 1.20	D SPT	N=26 (4,4/5,6,7,8)					
		1.80	В						
		2.00 - 2.45 2.00	D SPT	N=12 (4,5/4,3,3,2)					2
		2.80	В		2.90	12.40	× × ×	Loose becoming medium dense greyis	h brown slightly
		3.00 - 3.45 3.00	D SPT	N=6 (1,1/2,1,2,1)				silty fine to medium SAND with occasion sandy silt and rare gravel.	onal pockets of 3
		3.80	В				* * * * * * * * * * * * * * * * * * *		
		4.00 - 4.45 4.00	D SPT	N=9 (1,2/2,2,3,2)					4
		4.45 - 4.90 4.45	D SPT	N=16 (3,4/3,4,4,5)					
					4.90	10.40	x: × · x · x	End of Borehole at 4.90m	

Remarks:

Inspection pit dug to a depth of 1.20m. Borehole progressed with windowless sampling techniques to a depth of 4.90m and terminated on Engineer's instruction. Water strike at 1.20m and remaining at this level after 20mins. Borehole backfilled with arisings on completion.

Logged By:	Checked By:
KP	SP





Borehole No. WS14

Sheet 1 of 1

Project Name:Forres AcademyProject No.
GA 15176Co-ords:E: 303773.97N: 858114.06Hole Type
WSLocation:Burdsyard RoadLevel:15.72Scale
1:25

Client: Goodson Associates Dates: 22/11/2023 Rig Type
Competitor Dart

Client:	: Goodson Associates		Dates: 22/11/2023 Competitor		Competitor Da	art				
Well	Water Strikes	-		n Situ Testing	Depth (m)	Level (m)	Legend	Stratum Description		
V///XV//	Strikes	Depth (m)	Туре	Results	(111)	(111)				
		0.20	ES		0.10	15.62		MADE GROUND: Tarmacadam over b MADE GROUND: Brown sand and gra to coarse. Gravel is subrounded of var	vel. Sand is fine	
		0.50 0.50 0.50	B ES CBR	9%	0.40	15.32		Brown slightly clayey fine SAND with re	are gravel.	-
		1.00 1.00	B ES		0.80	14.92		Loose becoming medium dense browr gravelly SAND. Sand is fine to coarse. subangular to subrounded fine to coars lithologies.	Gravel is	1 -
	\searrow	1.20 - 1.65 1.20	D SPT	N=6 (1,2/1,2,1,2)						
		1.80	В							-
		2.00 - 2.45 2.00	D SPT	N=18 (2,3/4,5,4,5)						2 -
										-
		2.80 3.00 - 3.45 3.00	D SPT	N=8 (1,1/2,2,2,2)	2.90	12.82	× × × × × × × × × × × × × × × × × × ×	Loose becoming medium dense greyis silty fine to medium SAND with occasion sandy silt and rare gravel.	h brown slightly onal pockets of	3 -
										-
		3.80 4.00 - 4.45	B D				x			4 -
		4.00	SPT	N=11 (1,1/2,2,3,4)			\(\cdot \times \cdot \times \t			•
		4.45 - 4.90 4.45	D SPT	N=16 (3,3/4,4,3,5)						-
					4.90	10.82	× × × × × × × × × × × × × × × × × × ×	End of Borehole at 4.90m		5 -

Remarks:

Inspection pit dug to a depth of 1.20m. Borehole progressed with windowless sampling techniques to a depth of 4.90m and terminated on Engineer's instruction. Water strike at 1.30m and remaining at this level after 20mins. Borehole backfilled with arisings on completion.

	Logged By:	Checked By:
ı	KP	SP



	D.A.M					В	oreho	ole Log	Borehole N WS15	
Projec	Project Name: Forces Academy				Project No. GA 15176 Co-ords:		Sheet 1 of 1 Hole Type WS			
Location: Burdsyard Road					13170		Level:		Scale 1:25	
Client:		Goodso	on Asso	ciates			Dates:	23/11/2023	Rig Type Competitor [
Well	Water Strikes	Sampl	e and I	n Situ Testing	Depth	Level	Legend	Stratum Descri	iption	
X//XX//	Strikes	Depth (m)	Туре	Results	(m)	(m)		MADE GROUND: Grass over bro		
								topsoil with rare rootlets. Gravel is subangular fine to coarse of vario	is angular to	-
		0.50	CBR	8%	0.30			Brown slightly silty fine to mediur records occasional cobbles.	n SAND. Driller	-
		1.20 - 1.65 1.20	D SPT	N=33 (8,9/10,8,7,8)	0.80		×	Dense becoming medium dense SAND and GRAVEL. Sand is fine subangular to subrounded fine to lithologies.	e to coarse. Gravel is	1 —
										-
		2.00 - 2.45 2.00	D SPT	N=12 (4,5/5,3,2,2)	2.40			Marking days a light house of labor	ile Ga A and live	2
		3.00 - 3.45 3.00	D SPT	N=13 (2,3/3,3,4,3)				Medium dense light brown slightl SAND with rare gravel.	y silty fine to medium	3 -
		4.00 - 4.45 4.00	D SPT	N=12 (3,3/3,3,3,3)			x			4 —

4.45 - 4.90 4.45

D SPT

Inspection pit dug to a depth of 1.20m. Borehole progressed with windowless sampling techniques to a depth of 5.00m and terminated on Engineer's instruction. Water strike at 1.50m and remaining at this level after 20mins. Borehole backfilled with arisings on completion.

5.00

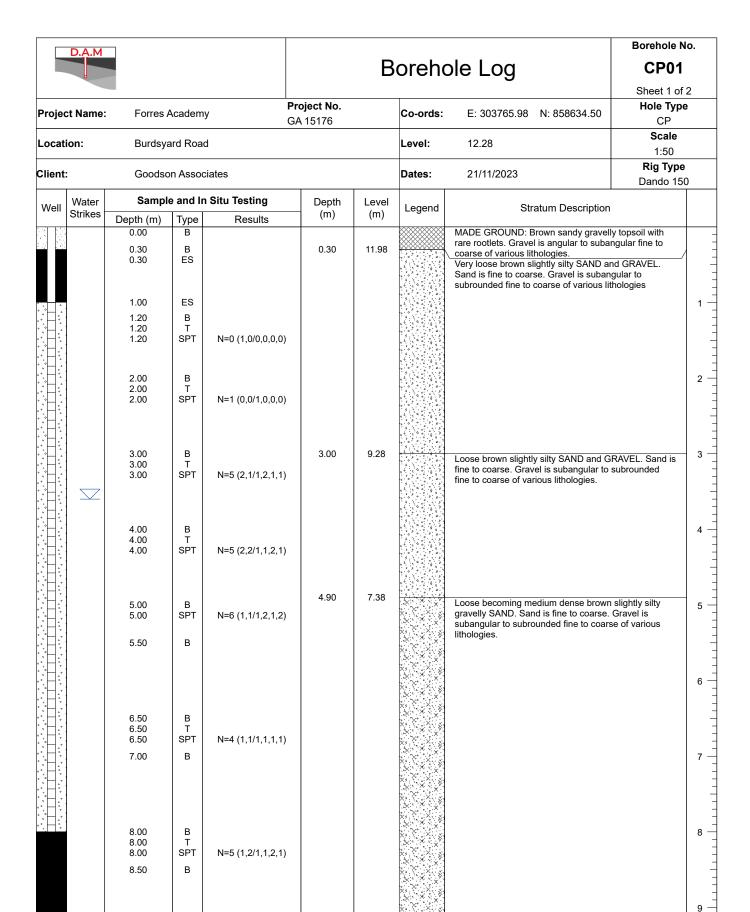
N=14 (3,4/3,3,4,4)

Logged By:	Checked By:
KP	SP

End of Borehole at 5.00m



5 -



Inspection pit dug to a depth of 1.20m. Borehole progressed with windowless sampling techniques to a depth of 12.0m and terminated on refusal. No Groundwater encounterd. Borehole fitted with monotring well.

N=10 (1,2/2,3,2,3)

В

SPT

В

9.50 9.50 9.50

10.00

Logged By:	Checked By:
FD	SP

Continued on Next Sheet



10

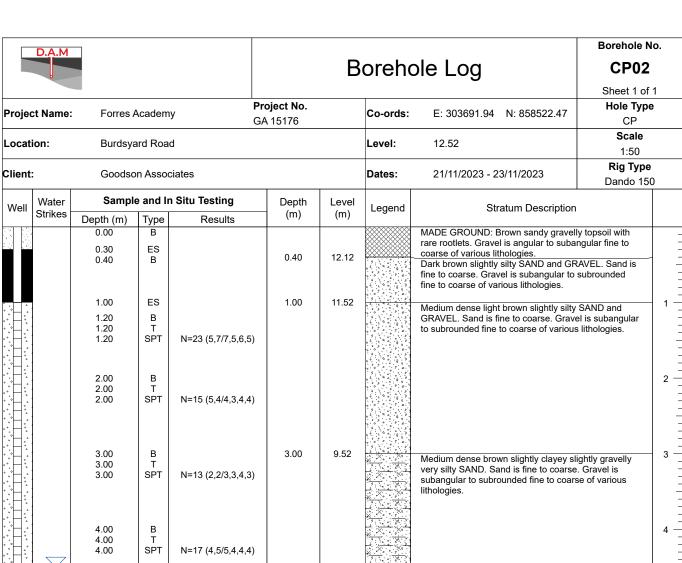
Borehole No. Borehole Log CP01 Sheet 2 of 2 Project No. **Hole Type** Co-ords: E: 303765.98 N: 858634.50 Project Name: Forres Academy GA 15176 CP Scale Location: **Burdsyard Road** Level: 12.28 1:50 Rig Type Dates: Client: 21/11/2023 Goodson Associates Dando 150 Sample and In Situ Testing Water Depth Level Well Legend Stratum Description (m) (m) Strikes Depth (m) Type Results Loose becoming medium dense brown slightly silty gravelly SAND. Sand is fine to coarse. Gravel is subangular to subrounded fine to coarse of various lithologies. 11.00 В 11 11.00 11.00 SPT N=13 (2,2/3,3,4,3) 11.50 В 12.00 0.28 12 End of Borehole at 12.00m 13 14 15 17 18 19 20

Remarks:

Inspection pit dug to a depth of 1.20m. Borehole progressed with windowless sampling techniques to a depth of 12.0m and terminated on refusal. No Groundwater encounterd. Borehole fitted with monotring well.

Logged By:	Checked By:
FD	SP



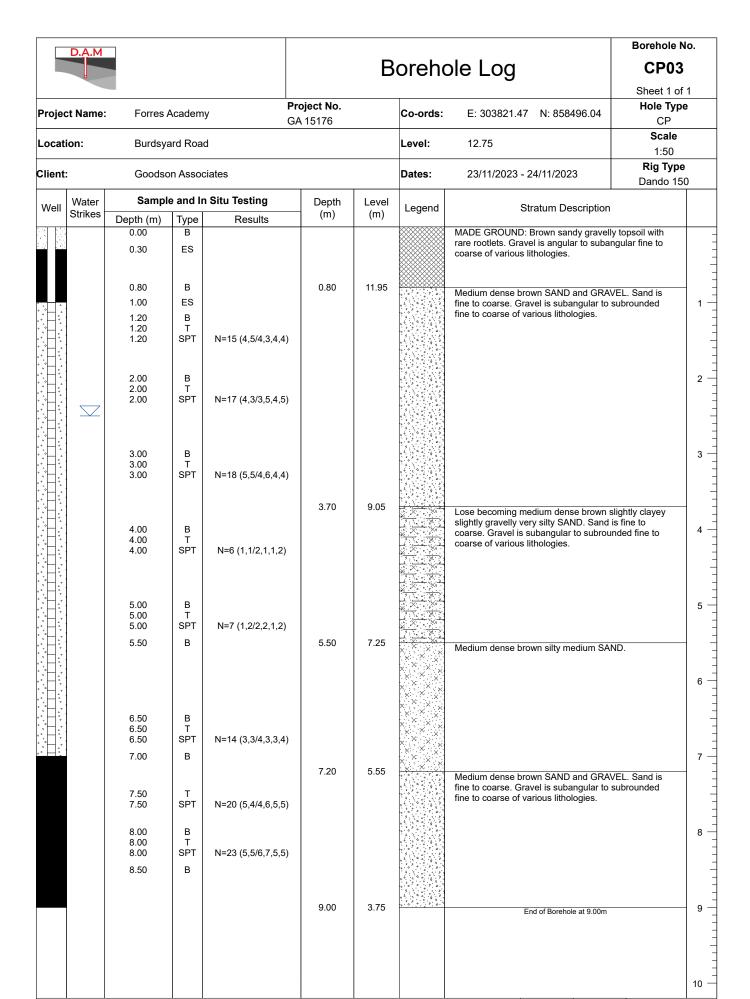


	1.00 1.20 1.20 1.20	B T SPT	N=23 (5,7/7,5,6,5)	1.00	11.52	Medium dense light brown slightly silty SAND and GRAVEL. Sand is fine to coarse. Gravel is subangular to subrounded fine to coarse of various lithologies.	1 —
	2.00 2.00 2.00	B T SPT	N=15 (5,4/4,3,4,4)				2 —
	3.00 3.00 3.00	B T SPT	N=13 (2,2/3,3,4,3)	3.00	9.52	Medium dense brown slightly clayey slightly gravelly very silty SAND. Sand is fine to coarse. Gravel is subangular to subrounded fine to coarse of various lithologies.	3 -
	4.00 4.00 4.00	B T SPT	N=17 (4,5/5,4,4,4)				4 —
	5.00 5.00 5.00 5.50	B T SPT B	N=15 (3,4/4,3,4,4)				5 —
	6.50 6.50 6.50 7.00	B T SPT B	N=15 (4,5/4,4,3,4)	8.00	4.51		7
				0.00	4.51	End of Borehole at 8.00m	- - - - - - - -
							9 —
							10 —

Inspection pit dug to a depth of 1.20m. Borehole progressed with windowless sampling techniques to a depth of 8.0m and terminated on refusal. No Groundwater encounterd. Borehole fitted with monotring well.

Logged By:	Checked By:
FD	SP



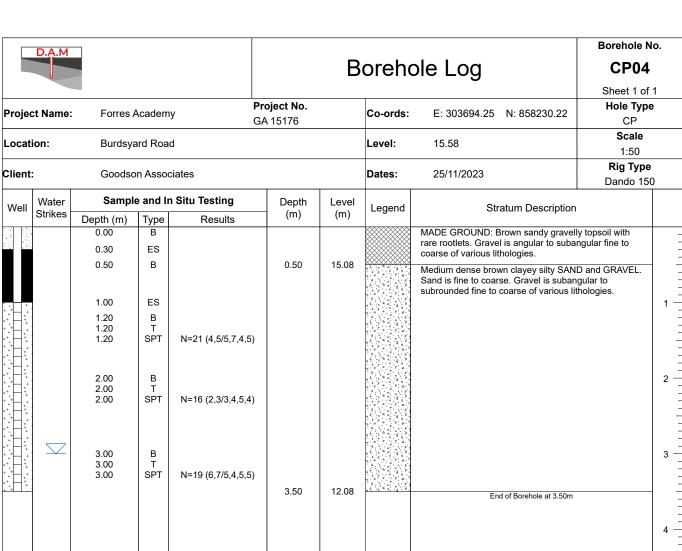


Remarks:

Inspection pit dug to a depth of 1.20m. Borehole progressed with windowless sampling techniques to a depth of 9.0m and terminated on refusal. No Groundwater encounterd. Borehole fitted with monotring well.

Logged By:	Checked By:
FD	SP



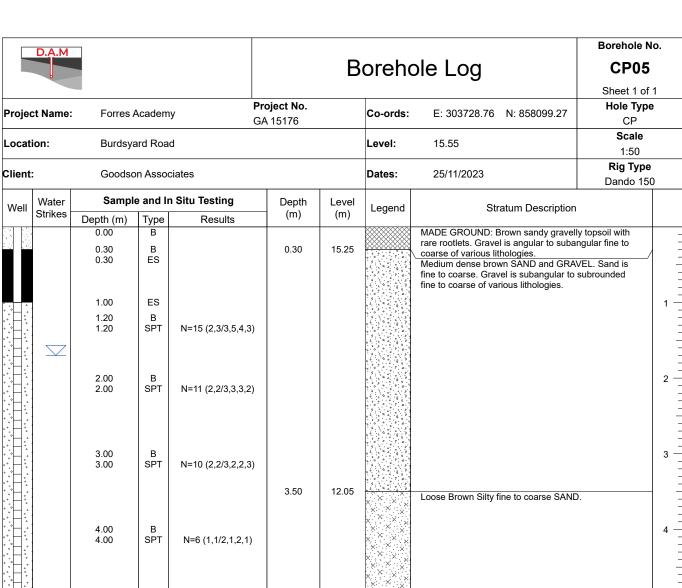


3.00 T SPT N=19 (6,7/5,4,5,5) 3.50 12.08	
3.50	End of Borehole at 3.50m
	4 _
	=
	5 —
	6 —
	=
	=
	7 -
	=
	<u>-</u>
	8 —
	<u>-</u>
	=
	9 —
	- -
	10 —

Inspection pit dug to a depth of 1.20m. Borehole progressed with windowless sampling techniques to a depth of 3.50m and terminated on refusal. No Groundwater encounterd. Borehole fitted with monotring well.

Logged By:	Checked By:
FD	SP





	4	2.00 2.00	B SPT	N=11 (2,2/3,3,3,2)					2 —
		3.00 3.00	B SPT	N=10 (2,2/3,2,2,3)	3.50	12.05		Lance Devery City for the server CAND	3 -
		4.00 4.00	B SPT	N=6 (1,1/2,1,2,1)				Loose Brown Silty fine to coarse SAND.	4 —
		5.00 5.00 5.50	B SPT B	N=6 (2,1/1,2,2,1)					5 —
		6.50 6.50	B SPT	N=14 (3,2/3,5,3,3)					6 —
		7.00	В		7.00	8.55	× × ×	Dense to very dense brown slightly sandy GRAVEL with frequent cobbles. Sand is fine to coarse. Gravel is subangular to subrounded fine to coarse of various lithologies.	7 - - - - - - - -
		8.00 8.00	B SPT	50 (5,8/50 for 75mm)	8.20	7.35		End of Borehole at 8.20m	8 —
									9 —
Rema	rks:							Logged By: Checked By: D.A.M	10 —

Inspection pit dug to a depth of 1.20m. Borehole progressed with windowless sampling techniques to a depth of 8.20m and terminated on refusal. No Groundwater encounterd. Borehole fitted with monotring well.

Logged By:	Checked By:
FD	SP





Borehole No. WS_TP03

Sheet 1 of 1

Project Name:Forres AcademyProject No.
GA 15176Co-ords:E: 303844.91N: 858528.20Hole Type
WSLocation:Burdsyard RoadLevel:13.41Scale
1:25

Client: Goodson Associates Dates: 22/11/2023 Rig Type
Competitor Dart

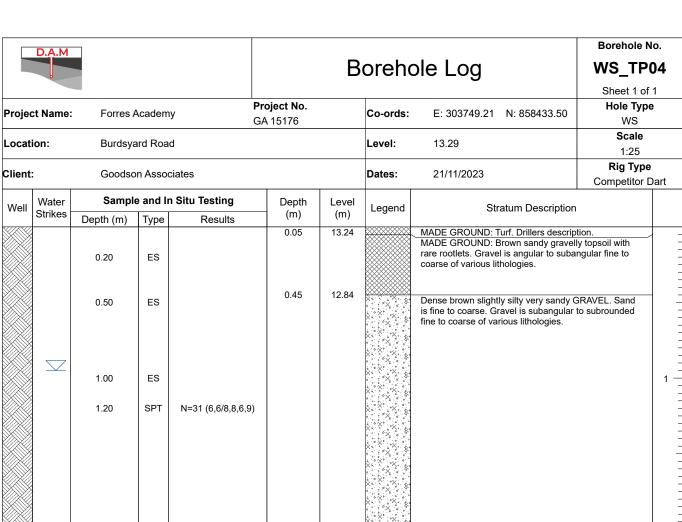
Client	t: Goodson Associates				Goodson Associates Dates: 22/11/2023		Competitor Dar	rt		
Well	Water Strikes			n Situ Testing	Depth (m)	Level (m)	Legend	Stratum Description	1	
	Ottikos	Depth (m)	Туре	Results	0.05	13.36		MADE GROUND: Turf. Drillers descrip	otion.	
		0.20	ES		0.25	13.16		MADE GROUND: Hardcore fill. Driller: MADE GROUND: slightly gravelly clay Gravel is subangular fine to coarse of	s description.	-
		0.50	ES					lithologies.	valious	-
		1.00	ES		0.80	12.60		Medium dense light brown slightly clay gravelly SAND. Sand is fine to coarse subangular to subrounded fine to coar	Gravel is	1 -
								lithologies.		
	\searrow	1.20	SPT	N=11 (1,1/2,3,3,3)						2 —
		2.20	SPT	N=15 (3,3/5,5,3,2)						3 —
		3.20	SPT	N=18 (4,4/5,4,5,4)						- - - - - - - -
		3.90	SPT	92 (8,10/92 for 225mm)	4.20	9.20		End of Borehole at 4.20m		4
										5 —

Remarks:

Inspection pit dug to a depth of 1.20m. Borehole progressed with windowless sampling techniques to a depth of 4.20m and terminated on refusal. Groundwater struck at 1.40m. Borehole backfilled with arasings.

Logged By:	Checked By:
JD	SP





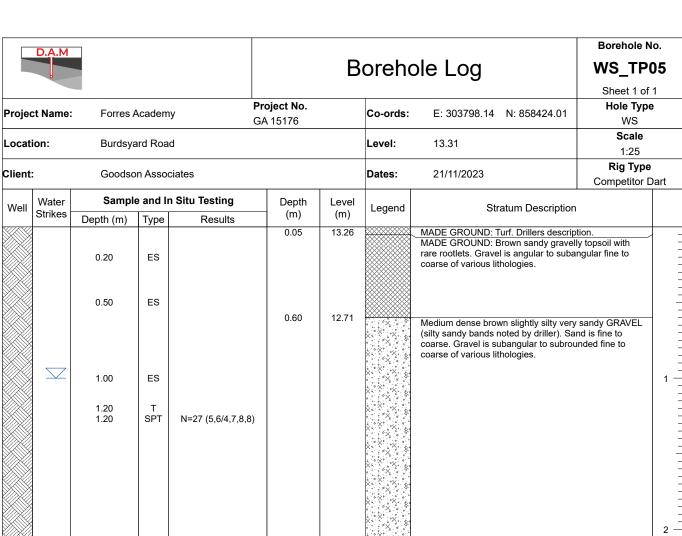
	1.00 1.20 2.20 2.50	ES SPT SPT	N=31 (6,6/8,8,6,9) N=44 (6,7/7,10,14,13) 61 (8,11/61 for 150mm)		12.84	Dense brown sli is fine to coarse fine to coarse of			/EL. Sand brounded	1
Remarks:				2.85	10.44		End of Boreho	Checked By:	D.A.M	4

Remarks:

Inspection pit dug to a depth of 1.20m. Borehole progressed with windowless sampling techniques to a depth of 2.85m and terminated on refusal. Groundwater struck at 0.95m. Borehole backfilled with arasings.

Logged By:	Checked By:
JD	SP





\searrow	1.00 1.20 1.20	ES T SPT	N=27 (5,6/4,7,8,8)			(silty sandy bands noted by driller). Sand is fine to coarse. Gravel is subangular to subrounded fine to coarse of various lithologies.	1
	2.20 2.20	T SPT	N=24 (2,1/4,4,8,8)				
	2.85	SPT	80 (6,10/80 for 225mm)	3.15	10.16	End of Borehole at 3.15m	3 4
							5 —

Remarks:

Inspection pit dug to a depth of 1.20m. Borehole progressed with windowless sampling techniques to a depth of 3.15m and terminated on refusal. Groundwater struck at 1.00m. Borehole backfilled with

arasings.

Logged By:	Checked By:
JD	SP





Remarks:
Inspection pit dug to a depth of 1.20m. Borehole progressed with windowless sampling techniques to a depth of 4.50m and terminated on refusal. Groundwater struck at 0.90m. Borehole backfilled with arasings.

4.50

8.77

2.20 2.20 - 3.20 2.20

3.20

3.20 - 4.20

3.20

4.20

B SPT

Т

B SPT 12 (5,4/12 for 225mm)

N=17 (3,3/4,3,5,5)

84 (4,8/84 for 225mm)

Logged By:	Checked By:
JD	SP

End of Borehole at 4.50m



5

3



Borehole No. WS_TP07

Sheet 1 of 1

Project Name:Forres AcademyProject No.
GA 15176Co-ords:E: 303842.08N: 858398.45Hole Type
WSLocation:Burdsyard RoadLevel:13.80Scale
1:25

Client: Goodson Associates Dates: 22/11/2023 Rig Type
Competitor Dart

Client:		Goodson Associates					Dates : 22/11/2023 Competi			
Well	Water	Sample	e and li	n Situ Testing	Depth Level		Legend	Stratum Description		
	Strikes	Depth (m)	Туре	Results	(m)	(m)				
		0.20	ES		0.05	13.75		MADE GROUND: Turf. Drillers descrip MADE GROUND: Brown sandy gravel rare rootlets. Gravel is angular to suba coarse of various lithologies.	tion. ly topsoil with ngular fine to	
		0.50	ES		0.40	13.40		Medium dense brown silty gravelly SA to coarse. Gravel is subangular to sub coarse of various lithologies.	ND. Sand is fine rounded fine to	-
		1.00	ES							1 -
		1.20 1.20 - 2.20 1.20	T B SPT	N=13 (1,1/3,3,4,3)	1.40	12.40	**** ****	Medium dense brown SAND and GRA bands noted by driller). Sand is fine to	VEL (silty sand	- - - -
								is subangular to subrounded fine to co lithologies.	arse of various	2 —
		2.20 2.20 - 3.20 2.20	T B SPT	N=20 (4,4/6,4,5,5)						- - - - - -
										- - - - -
										3 -
Y/A\Y//					3.20	10.60	, , , , , , , , , ,	End of Borehole at 3.20m		
										4 -
										5 -

Remarks:

Inspection pit dug to a depth of 1.20m. Borehole progressed with windowless sampling techniques to a depth of 3.20m and terminated on refusal. Groundwater struck at 1.00m. Borehole backfilled with arasings.

Logged By:	Checked By:
JD	SP





Borehole No. WS_TP08

Sheet 1 of 1

 Project Name:
 Forres Academy
 Project No. GA 15176
 Co-ords:
 E: 303779.04
 N: 858380.51
 Hole Type WS

 Location:
 Burdsyard Road
 Level:
 13.84
 Scale 1:25

Client: Goodson Associates Dates: 21/11/2023 Rig Type
Competitor Dart

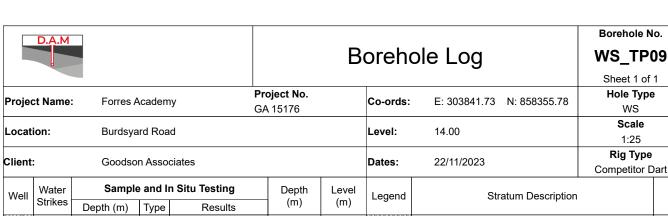
lient:		Goodso	n Asso	ciates			Dates:	21/11/2023	Competitor Dar
Well	Water	Sample	e and I	n Situ Testing	Depth Level		Legend	Stratum Description	
	Strikes	Depth (m)	Туре	Results	(m)	(m)			
		0.20	ES		0.05	13.79		MADE GROUND: Turf. Drillers descrip MADE GROUND: Brown sandy gravel rare rootlets. Gravel is angular to suba coarse of various lithologies.	tion. ly topsoil with ngular fine to
		0.50	ES		0.60	13.24		Medium denge brown elighbly eith year	, condi,
	\searrow						× × × × × × × ×	Medium dense brown slightly silty very GRAVEL. Sand is fine to coarse. Grav- to subrounded fine to coarse of various	el is subangular
		1.00	ES				* * * * * * * *		
		1.20 1.20 - 2.20 1.20	T U87 SPT	N=34 (8,10/9,8,8,9)			*		
		2.20	Т						:
		2.20 - 3.20 2.20	B SPT	N=13 (2,3/3,4,3,3)			* * * * * * * * * *		
							× × × × × × × × × × × × × × × × × × ×		:
		3.20	SPT	84 (8,6/84 for 225mm)	0.50	40.04	* * * * * * * *		
					3.50	10.34		End of Borehole at 3.50m	
									:

Remarks:

Inspection pit dug to a depth of 1.20m. Borehole progressed with windowless sampling techniques to a depth of 3.50m and terminated on refusal. Groundwater struck at 0.90m. Borehole backfilled with arasings.

Logged By:	Checked By:
JD	SP





ilent		Goodson Associates						Dates: 22/11/2023 Competitor Dart			
Well	Water	Sample	e and li	n Situ Testing	Depth Level L		Legend Stratum Description				
	Strikes	Depth (m)	Туре	Results	(m)	(m)					
		0.20	ES		0.05	13.95		MADE GROUND: Turf. Drillers descrip MADE GROUND: Brown sandy gravel rare rootlets. Gravel is angular to suba coarse of various lithologies.	tion. ly topsoil with ngular fine to		
		0.50	ES		0.60	13.40		Medium dense brown SAND and GRA bands noted by driller). Sand is fine to is subangular to subrounded fine to co lithologies.	VEL (silty sandy coarse. Gravel arse of various		
		1.00	ES							1	
		1.20 1.20 - 2.20 1.20	T B SPT	N=13 (2,2/2,3,4,4)							
										2	
		2.20 - 3.20 2.20	B SPT	N=17 (3,4/4,5,5,3)							
		3.20 3.20 - 4.20 3.20	T B SPT	N=14 (4,4/3,3,4,4)						3	
		4.20 4.20	T SPT	N=17 (4,3/3,5,5,4)						4	
iotele					4.65	9.35	7. 2. 2	End of Borehole at 4.65m			
										5	

Inspection pit dug to a depth of 1.20m. Borehole progressed with windowless sampling techniques to a depth of 4.65m and terminated on refusal. Groundwater struck at 1.10m. Borehole backfilled with arasings.

Logged By:	Checked By:
JD	SP

