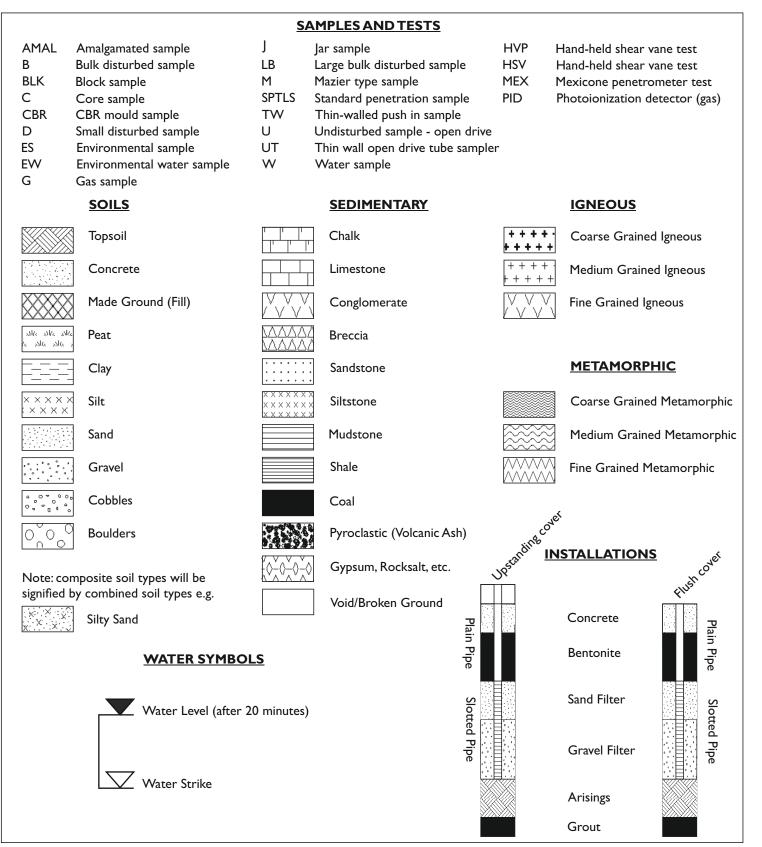


EXPLORATORY HOLE EXPLANATION SHEET



GEOLOGICAL • GEOTECHNICAL • ENVIRONMENTAL • ENGINEERING

	1-	L						Trialpit No	
			rale			Tri	al Pit Log	TP01	
Desia		rstanding Gro	ound Conditions	Projec	st No		Co-ords: -	Sheet 1 of 1 Date	
Projec Name:		n Hall Barns	, Aston Munslow	21035			Level: 158.18	06/07/2021	
Locatio	on: Asto	n Hall Astor	Munslow, Shropsh				Dimensions 0.44	Scale	
LUCali		in Fiall, Astor					(m): Depth 0	1:15	
Client:	Mr. ٤	& Mrs. D. Cle	evely				Depth O.56	Logged JB	
л e	Sar	nples and Ir	n Situ Testing	Depth	Level			1	
Wate	Depth	Туре	Results	(m)	(m)	Legend	Stratum Description		
Samples and In Situ Testing Depth Level Legend Stratum Description									
								3	
Rema		roundwater se and excavate	eepage at c.0.45m de	pth.					
			a. onjunction with Trial P	it Sketch TF	P01.				
Stabili	ty: S	table.							

		L						Trialpit No
			rale			Tri	al Pit Log	TP02
Dusia		rstanding Gr	ound Conditions	Projec	st No		Co-ords: -	Sheet 1 of 1 Date
Project Name:		n Hall Barns	, Aston Munslow	21035			Level: 157.84	06/07/2021
Locatio	on Asto	n Hall Astor	n Munslow, Shropsh				Dimensions 0.44	Scale
Looune							(m): m Depth o	1:15
Client:	Mr. 8	Mrs. D. Cle	eevely				1.20	Logged JB
er Ke	San	nples and l	n Situ Testing	Depth	Level	Legend	Stratum Description	
Water Strike	Depth	Туре	Results	(m)	(m)	Legend		
	0.05	ES					Grass over TOPSOIL: (Comprising soft brown sandy slightly gravelly silty Clay with abundant	fine
				0.10	157.74		fibrous roots throughout. Sand is fine to mediu is subrounded fine of sandstone.)	m. Gravel
				0.19	157.65		CONCRETE. MADE GROUND: (Comprising moderately con	mpact gray
							brown sandy very clayey angular to subangula	ir fine to
							coarse Gravel of siltstone with lesser brick.)	
				0.50	457.04			
				0.50	157.34	0.000	Medium dense olive green grey angular tabula COBBLES of siltstone.	ir
						0,000	(WEATHERED UPPER LUDLOW SHALES)	
							•	
						0,000	° •	
						0,000	0 0 0	
						0,0°,00	• •	
						4 0 ° 0 0		1 -
						0.000	0 0	
				1.20	156.64	°°°°°	End of pit at 1.20 m	
								-
								2 -
								-
								3 -
Remar	ks: No	o groundwate	er encountered.					_
	N	o visual or olf	actory contamination i d. To be read in conju		Trial Pit 9	Sketch TF	202	
Stabilit		table.						
	, 0							

								Trialpit No
			rale			Tri	ial Pit Log	TP03
Projec	-t		ound Conditions	Projec	ct No.		Co-ords: -	Sheet 1 of 1 Date
Name		lall Barns	, Aston Munslow	21035			Level: 157.85	06/07/2021
Locati	ion: Aston ⊦	lall, Aston	Munslow, Shropshi	re, SY7 9	ER		Dimensions 0.45	Scale
							(m): Depth	1:15 Logged
Client	I	lrs. D. Cle	-	1	1	1	1.40	JB
Water Strike	-	- I - I	n Situ Testing Results	Depth (m)	Level (m)	Legend	Stratum Description	
We Str	Depth 0.05 0.30	Type ES ES	Grass over TOPSOIL: (Comprising soft brown sandy slightly gravelly silty CLay with little extra material and abundant fine fibrous roots throug Sand is fine to medium. Gravel is angular fine and siltstone.) MADE GROUND: (Comprising moderately con brown grey sandy clayey angular to subangula coarse Gravel of siltstone with lesser brick and Medium cobble content. Locally pockets of bro Sand is fine to coarse. Cobbles are angular tat siltstone)	aneous yhout. of brick npact r fine to charcoal. wn clay.				
	1.00	D		0.69	157.16		Possible MADE GROUND: (Comprising soft of grey slightly sandy gravelly locally very gravelly Gravel is angular to subangular fine to coarse siltstone.)	y Clay.
				1.40	156.45		End of pit at 1.40 m	2 -
Rema			r encountered. actory contamination n	oted.			1	
1			d. To be read in conjun		Trial Pit S	Sketch TF	203.	
Stabili	ity: Stab	le.						

				ale		Trialpit No TP04			
		derstandin	ıg Ground	Conditions				al Pit Log	Sheet 1 of 1
Projec Name		ston Hall B	arns, As	ton Munslow	Projec 21035			Co-ords: - Level: 157.00	Date 06/07/2021
Locati	ion: As	ston Hall, A	Aston Mu	inslow, Shropshii				Dimensions 0.4	Scale
				-				(m): Depth N	1:15 Logged
Client		r. & Mrs. D		-	1			1.00	JB
Water Strike		-		tu Testing Results	Depth (m)	Level (m)	Legend	Stratum Description	
We Str	0.4		rpe	Results	(m) 0.02	(m) 156.98 156.20 156.00		Loosely compact blue grey angular medium to basalt chippings. MADE GROUND: (Comprising soft red brown s sandy gravelly Clay with medium cobble conten- fine to coarse. Gravel is angular to subangular coarse of brick and siltstone. Cobbles are angu- tabular of siltstone and lesser brick.)	slightly nt. Sand is fine to llar
									3 -
Rema		Hand exca	or olfacto	countered. ry contamination n b be read in conjun		Trial Pit S	ketch TP	04.	
Stabili	ity:	Stable.							

		- + <u>'</u>						Trialpit	No
			grale			Tri	al Pit Log	TP0	
Dusia		derstanding	Ground Conditions	Projec	st No		Co-ords: -	Sheet 1 Date	
Projeo Name		ton Hall Bar	ns, Aston Munslow	21035			Level: 157.31	06/07/20	
Locati	ion [.] As	ton Hall Ast	on Munslow, Shrops				Dimensions 0.42	Scale	Э
Loout							(m): Depth o	1:15 Logge	
Client	:: Mi	r. & Mrs. D. (Cleevely			_	0.40	JB	u
ke r	s	amples and	I In Situ Testing	Depth	Level	Legend	I Stratum Description		
Water Strike	Dep	oth Type	e Results	(m)	(m)				
	0.1			0.14	157.17		silty sandy angular to subangular fine to coarse	ome roots gular to)/ STONE as slightly	1
Rema	ırks:		ater encountered.						2 -
	u NJ.	No visual or	olfactory contamination ated. To be read in conj		Trial Pit S	Sketch TF	205.		
Stabil	ity:	Stable.							

Nome: Nome: Nome: Trial Pit Log Trial Pit Log Project: Auton Hall Barns, Aaton Munalow Project IN: Co-ords: Dovid: Dovid: Location: Auton Hall Barns, Aaton Munalow Project IN: Co-ords: Dovid: Dovid: Location: Auton Hall Barns, Aaton Munalow Project IN: Co-ords: Dovid: Dovid: Location: Auton Hall Barns, Aaton Munalow Project IN: Co-ords: Dovid: Dovid: Scale 1 S			Т.						Trialpit No)
Understanding forward Conditions Steel 1 of 1 Project Aston Hall Barns. Aston Munsiow Project Na Co-ords: - Level: 155.94 060772021 Location: Aston Hall Aston Munsiow, Shropshire, SY7 9ER Dimensions 0.45 115 Client: Mr. & Mrs. D. Cleevely Depth 0.17 Statum Description 115 Statum Description 0.17 Big Depth Statum Description Control: No Statum Description 0.10 ES 0.17 186.47 Statum Description Image: Statum Description 0.10 ES 0.17 186.47 Statum Description Image: Statum Description Image: Statum Description Statum Description Statum Description Image: Statum Description 0.17 186.47 Statum Description Statum Description Image: Statum Description 0.17 186.47 Statum Description Statum Description Image: Statum Description Image: Statum Description Statum Description Statum Description Statum Description Image: Statum Description Image: Statum Desc							Tri	al Pit Log		
Name: Aston Hell samp. Aston Munisov. Shropshire. SV7 9ER Dimension 0.45 08007/2021 Client: Mr. & Mrs. D. Clewelly Dimension 0.45 116 106 S go Samples and In Situ Testing Depth Lovation 0.17 Statum Description S go Depth Type Results 0.17 Statum Description 0.10 ES 0.10 ES 0.17 Statum Description 0.10 ES 0.10 ES 0.17 Is are some TOPSOIL. Comprising and furth threem and splity same for the prove the start splith threem complexity same for the prove the start splith threem complexity same for the prove the start splith threem complexity same for the prove the start splith threem complexity same for the prove the start splith threem complexity same for the prove the start splith threem complexity same for the prove the start splith threem complexity same for the prove the start splith threem complexity same for the prove the start splith threem complexity same for the prove the start splith threem complexity same for the prove the start splith threem complexity same for the prove the start splith threem complexity same for the prove three start splith threem complexity same for the prove three start splith threem complexity same for the prove three start splith threem complexity same for the prove three start splith threem complexity same for the prove threem complexity same for the prove threem complexity same for the prove threem			erstanding Gr	ound Conditions	Broiog	t No		Colordo:		1
Location: Aston Hail, Aston Munslow, Shropshire, SY7 9ER Dimensione 0.45 115 Client: Mr. & Mrs. D. Cleevely Depth Depth 115 Logged Samples and In Situ Testing Depth Client: Inc. 0.10 ES 0.17 Section Grass over TOPSOIL (Comprising soft dark torown shiply samply gravely Corpore) Toby will little commonsus sample to extrangular to subangular to			on Hall Barns	, Aston Munslow						1
Client: Mr. & Mrs. D. Cleevely	Locati	on Ast	on Hall Astor	n Munslow Shropshire				Dimensions 0.45	Scale	
Bit and balance and in Situ Testing Depth Type Results On 17 Level Legend Statum Description Image: Samples and in Situ Testing Depth Type Results On 17 Issae over TOPSOL (Completing of det foromore) Image: Samples and in Situ Testing Depth Type Results On 17 Issae over TOPSOL (Completing of det foromore) Image: Samples and in Situ Testing Depth Type Results On 17 Issae over TOPSOL (Completing of det foromore) Image: Samples and in Situ Testing Depth Type Results On 17 Issae over TOPSOL (Completing of det foromore) Image: Samples and in Situ Testing Depth Test of samples for the specing provide degree provide				-	, 011 01			(m):		
Bit Month Type Results (m) Legend Stratum Description 0.10 ES 0.11 156.47 Class over TOPSOL: Comprising off data bound in the forum outs more characteristic and boundant for dataconal. Sand is first on another mound on a bound in the forum outs more prior. Sand is first on another mound on a bound in the forum outs more prior. Sand is first on another mound on a bound in the forum outs more prior. Sand is first on another mound on a part of subangular to subangular to subangular to subangular to subangular to a bound in the forum outs more prior. Sand is first on another mound on a part of subangular to suba	Client:	: Mr.	& Mrs. D. Cle	eevely		1	1	0.17		
0.10 ES 0.17 156.47 Grass over TOPSOL: Comprising of the theorem composition of the theorem	Water Strike						Legend	Stratum Description		
Hand excavated. To be read in conjunction with Trial Pit Sketch TP06.		0.10	ES	er encountered.		156.47		slightly sandy slightly gravelly Clay with little ex material and abundant fine fibrous roots throug Sand is fine to coarse. Gravel is angular to sub fine of siltstone, brick and charcoal.) c.0.17m depth: Pit terminated on very weak olive green give with occasing a marine fossile	traneous hout. angular <i>rey Siltstone</i>	2 -
	1	۱ ۲	No visual or olf Hand excavate	actory contamination no d. To be read in conjunc	ted. tion with	Trial Pit S	ketch TP	06.		
	Stabili									

			/							Trialpit No	
				<u>rale</u>				Tri	al Pit Log	TP07	
		ıderstan	ding Gr	ound Conditions		Draiaa	+ N -			Sheet 1 of 2	1
Projec Name		ston Ha	ll Barns	s, Aston Munslow		Projec 21035			Co-ords: - Level: 155.82	Date 06/07/2021	1
Locati	ion: A	ston Ha	II Asto	n Munslow, Shrop					Dimensions 0.45	Scale	
		501114	II, A3101		Joinie, C	517 51			(m): Depth Ö	1:15	
Client	: М	r. & Mrs	s. D. Cle	eevely					0.30	Logged JB	
Water Strike				n Situ Testing Results		Depth (m)	Level (m)	Legend	Stratum Description		
Wa Stri	0.1		Type	Results		(m) 0.28 0.30	(m)		Grass over TOPSOIL: (Comprising soft dark br slightly sandy slightly gravelly silty Clay with litt extraneous material and abundant fine fibrous throughout. Sand is fine to coarse. Gravel is an subangular fine to coarse of siltstone and brick Very weak olive green grey SILTSTONE recover angular coarse gravel. (UPPER LUDLOW SHALES) End of pit at 0.30 m	le roots igular to .) ered as	1 -
											3 -
Rema	arks:			er encountered.	i		1	1	,		
		No visı Hand e	ual or olf excavate	actory contaminati d. To be read in co	on notec njunctio	a. n with ⊺	Trial Pit S	ketch TP	07.		
No visual or olfactory contamination noted. Hand excavated. To be read in conjunction with Trial Pit Sketch TP07. Stability: Stable.											

	1 -							Trialpit No
			rale			Tri	al Pit Log	TP08
		standing Gro	ound Conditions	Droiog	t No		Co-ords: -	Sheet 1 of 1
Projec Name:		Hall Barns	, Aston Munslow	Projec 21035			Co-ords: - Level: 157.75	Date 06/07/2021
Locatio	on: Acton		Munslow, Shropshir				Dimensions 0.35	Scale
LUCali	on. Asion	Tiali, Astori		6, 517 51			(m): Depth $\overset{(c)}{\sim}$	1:15
Client:	Mr. &	Mrs. D. Cle	evely				0.24	Logged JB
Water Strike	Sam Depth	ples and In Type	n Situ Testing Results	Depth (m)	Level (m)	Legend	Stratum Description	
	0.10	ES		0.17 0.24	157.58 157.51		Grass over TOPSOIL: (Comprising loosely com brown slightly sandy slightly gravelly Silt with so extraneous material, low cobble content and at fine roots up to 5mm/0. Sand is fine to coarse. (angular to subangular fine to coarse of brick an siltstone.) Very weak thinly bedded olive green grey SILTS with fine roots penetrating. (UPPER LUDLOW SHALES) c.0.24m depth: Pit terminated in Siltstone bedrock. End of pit at 0.24 m	ome oundant Gravel is d
Rema			r encountered. actory contamination no	oted.				
1			d. To be read in conjune		Trial Pit S	ketch TP	08.	
Stabili	ty: Sta	able.						

	1	<u> </u>							Trialpit N	No
				ale			Tri	al Pit Log	TP0	
		nderstandir	ıg Ground	Conditions					Sheet 1 o	
Projec Name		ston Hall E	Barns, Ast	ton Munslow	Projec 21035			Co-ords: - Level: 159.69	Date 06/07/20	
		eten I lell d	Natan Mu	nalaw. Chranakira				Dimensions 0.4	Scale	
Locati	ion: A	Ston Hall, A	Asion iviu	nslow, Shropshire	, 51791	=R		(m): Depth c	1:15	
Client	: N	lr. & Mrs. D). Cleeve	ly				Depth o	Logge JB	d
e e		Samples a	nd In Sit	u Testing	Depth	Level				
Water Strike	De	pth Ty	/pe	Results	(m)	(m)	Legend		ngular to	
					0.10	159.59	*****		itrix of	-
					0.13	159.56		Very weak olive green grey SILTSTONE.	/	-
								End of pit at 0.13 m		-
										-
										-
										-
										-
										-
										-
										-
										-
										1 -
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										-
										2 -
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										-
										-
										-
										-
										-
										-
										-
										-
										-
										3 -
Rema	irks:	No ground No visual	or olfactor	y contamination not	ted.					
		Hand exca	avated wit	h breaker. To be rea	ad in conj	unction w	rith Trial I	Pit Sketch TP09.		
Stabili	Hand excavated with breaker. To be read in conjunction with Trial Pit Sketch TP09. Stability: Stable.									

		~ ⁺	<u> </u>						Trialpit No
				rale			Tri	al Pit Log	TP10
Ducia		nderstar	iding Gro	ound Conditions	Projec	t No		Co-ords: -	Sheet 1 of 1 Date
Projeo Name		ston Ha	ll Barns	, Aston Munslow	21035			Level: 159.69	06/07/2021
Locati	ion [.] A	ston Ha	ul Astor	n Munslow, Shrops				Dimensions	Scale
LUCat		31011112						(m): Depth	1:15
Client	: N	lr. & Mrs	s. D. Cle	eevely				0.16	Logged JB
Water Strike	:	Sample	s and li	n Situ Testing	Depth	Level	Legend	Stratum Description	
					0.10 0.14 0.16	159.59 159.55 159.53		Weak pale grey CONCRETE. 50% aggregate a subrounded fine to medium of siltstone. 50% m fines. DPM at base. MADE GROUND: (Comprising loosely compac- to coarse Sand with pockets of brown sandy cla Very weak olive green grey SILTSTONE. (UPPER LUDLOW SHALES) End of pit at 0.16 m	atrix of t red fine
									2 -
Rema		No visi Hand e	ual or olfa excavate	er encountered. actory contamination d with breaker. To be	noted. e read in conj	unction w	vith Trial F	Pit Sketch TP10.	3 -
Stabil	ity:	Stable	e.						

		tác						Trialpit I	No
			rale			Tri	al Pit Log	TP1 ⁴	
Ducies		tanding Grou	and Conditions	Projec	st No		Co-ords: -	Sheet 1 o Date	
Projec Name:		Hall Barns,	Aston Munslow	21035			Level: 156.30	06/07/20	
Locatio	on [.] Aston	Hall Aston	Munslow, Shropshire				Dimensions 0.35	Scale	
				, 017 0			(m): Depth e	1:15 Logge	
Client:	Mr. &	Mrs. D. Clee	evely				1.20	JB	u
Water Strike	Sam Depth	ples and In Type	Situ Testing Results	Depth (m)	Level (m)	Legend	Stratum Description		
Remar	0.50 ks: No	groundwater	encountered.	1.20	155.10		MADE GROUND: (Comprising soft brown grey sandy slightly gravelly locally gravelly Clay. Sar to coarse. Gravel is angular to subangular fine of brick, siltstone and rare concrete.)	nd is fine to coarse	2
1	No	visual or olfa	ctory contamination not	ted.			11		
Stabilit		id excavated ble.	. To be read in conjunc	uon with	mai Pit S	NEICH IP			

		- - tác	grale					Trialpit No
						Tri	al Pit Log	TP12
Projec	ot		ound Conditions	Projec	ct No		Co-ords: -	Sheet 1 of 1 Date
Name		ton Hall Barn	s, Aston Munslow	21035			Level: 155.08	07/07/2021
Locati	ion [.] As	ton Hall Asto	n Munslow, Shropsh				Dimensions 0.4	Scale
							(m): Depth 0	1:15
Client	: Mr	. & Mrs. D. Cl	eevely				0.60	Logged JB
Water Strike		-	n Situ Testing	Depth (m)	Level (m)	Legend	Stratum Description	
W ²	0.24		Results	0.60	(m) 154.48		Gravel chippings / TOPSOIL: (Comprising loos compact dark brown slightly sandy slightly gra clayey Silt with little extraneous material, occar roots and rare roots up to 10mmØ throughout. fine to medium. Gravel is angular to subround coarse typically fine of brick, charcoal and silts c.0.45-0.60m depth: In N end of pit- Siltstone bedrock ex footing. Siltstone penetrated by rare fine roots. c.0.60m depth: Pit terminated on Siltstone bedrock. End of pit at 0.60 m	velly sional fine Sand is ed fine to tone.)
								3 -
Rema Stabil		No visual or ol	er encountered. factory contamination ed. To be read in conju		Trial Pit S	 Sketch TP	12.	

		<u> </u>						Trialpit	No
			<u>grale</u>			Tri	al Pit Log	TP1	
Ducie		derstanding	J Ground Conditions	Projec	t No		Co-ords: -	Sheet 1 Date	
Projec Name		ston Hall Ba	arns, Aston Munslo	w 21035			Level: 153.21	07/07/20	
Locati	ion [.] As	ston Hall A	ston Munslow, Shr				Dimensions 0.45	Scale	e
Loout	1011. 7 %						(m): m Depth 4.	1:15 Logge	
Client	: M	r. & Mrs. D.	Cleevely				0.50	JB	;u
ter ke	5	amples ar	nd In Situ Testing	Depth	Level	Legend	I Stratum Description		
Water Strike	Dep	oth Typ	Results	(m)	(m)	Legend			
	0.3	0 ES	5	0.42 0.50	152.79			It with casional he to h rare brick ered as	2 -
									3 -
Rema	irks:		vater encountered.	ation noted					
			r olfactory contamina vated. To be read in		Trial Pit S	Sketch TP	13.		
Stabili	ity:	Stable.							

			rale			Tri	al Pit Log	Trialpit No TP14
Project	Acton		Aston Munslow	Projec	t No.		Co-ords: -	Sheet 1 of 1 Date
Name:	Asion			21035	5		Level: 153.75	07/07/2021
Locatio	on: Aston	Hall, Aston I	Munslow, Shropshi	re, SY7 9I	ER		Dimensions 0.35 (m): م	Scale 1:15
Client:	Mr. &	Mrs. D. Clee	evely				راا). Depth C 0.88	Logged JB
ت م	Sam	ples and In	Situ Testing	Depth	Level			JD
Water Strike	Depth	Туре	Results	(m)	(m)	Legend	Stratum Description	
	0.05	ES		0.10	153.65		Grass over TOPSOIL: (Comprising loosely com grey slightly sandy slightly gravelly Silt with little extraneous material and abundant fine fibrous i throughout. Sand is fine to coarse. Gravel is an subrounded fine to medium typically fine of cha clinker and rare glass.) SUBSOIL: (Comprising light brown grey slightly slightly gravelly Silt with rare extraneous materi occasional fine roots throughout. Abundant fine roots to 0.30m depth and 1 No. 70mmØ root at depth. Sand is fine to coarse. Gravel is angular subangular fine of siltstone and rare brick.) At 0.20m depth: Mexecone - 1,2,5,3,2,3,5,5,5,7,9. Firm olive green grey slightly sandy gravelly SII is fine to medium. Gravel is angular to subroun to medium of siltstone. (WEATHERED UPPER LUDLOW SHALES) End of pit at 0.88 m	oots gular to rcoal, rsandy al and fibrous 0.15m to
								3 -
Remar Stabilit	No Ha	groundwater visual or olfac nd excavated. able.	encountered. ctory contamination n	oted.				

		nte	ég	rale			Tri	al Pit Log	Trialpit N TP15	
		nderstand	ling Gro	und Conditions					Sheet 1 of	f 1
Projeo Name		ston Hall	l Barns,	Aston Munslow	Projec 21035			Co-ords: - Level: 153.50	Date 07/07/202	21
Locat	ion [.] A	ston Hall	Aston	Munslow, Shrop				Dimensions 0.35	Scale	
				-				(m): Depth \widetilde{e}	1:15 Logged	
Client	1	r. & Mrs.		-		1		0.55	JB	
ater rike				Situ Testing	Depth	Level	Legend	Stratum Description		
Water	0.4	oth 10	ES ES	Results	Depth (m) 0.12	Level (m) 153.38 152.95	Legend	Stratum Description Grass over TOPSOIL: (Comprising soft dark br slightly sandy slightly gravelly silty Clay with litt extraneous material and abundant fine fibrous throughout and 1 No. 35mmØ root at 0.05m de is fine to medium. Gravel is angular to subangu- charcoal.) MADE GROUND: (Comprising soft dark brown beige and orange slightly sandy slightly gravell with low cobble content and rare fine roots thro: Sand is fine to coarse. Gravel is angular to sub fine to coarse of siltstone, brick, concrete and I charcoal. Cobbles are angular of siltstone.) At 0.25m depth: Mexcore - 0.5, 1. Refusal. End of pit at 0.55 m	le roots ppth. Sand ular fine of mottled y Clay ughout. angular	1 -
										3
Rema Stabil			al or olfa cavated	r encountered. actory contaminatio d.	n noted.	1	1	1		
	··· <i>j</i> ·	S.a.bi0.								

		nté	grale			Tri	al Pit Log	Trialpit No TP16
			Ground Conditions					Sheet 1 of 1
Projec	ct 🗛			Projec	t No.		Co-ords: -	Date
Name			rns, Aston Munslow	21035			Level: 153.35	07/07/2021
Locati	ion: A	ston Hall, As	ston Munslow, Shrops	hire, SY7 9	ER		Dimensions 0.35 (m):	Scale 1:15
Client	· M	r. & Mrs. D.	Cleevely				Depth Ö	Logged
			•				0.30	JB
Water Strike			d In Situ Testing	Depth (m)	Level (m)	Legend	Stratum Description	
Wat	Dej			(m) 0.09 0.30	(m) 153.26 153.05		Stratum Description Grass over TOPSOIL: (Comprising loosely con brown slightly sandy slightly gravelly clayey Sil extraneous material and abundant fine fibrous throughout. Bed of fine roots at base. Sand is fi medium. Gravel is angular fine to medium of si and lesser brick.) SUBSOIL: (Comprising soft dark brown slightly slightly gravelly Clay with abundant fine roots. 10mmØ throughout and 1 No. 35mmØ root. Sc to coarse. Gravel is angular fine to coarse of b siltstone and rare charcoal.) End of pit at 0.30 m	t with little roots ine to iltstone / sandy up to and is fine
								3 -
Rema	irks:	No visual or	vater encountered.	noted.				
		Hand excav						
Stabil	ity:	Stable.						

		nté	grale			Tri	al Pit Log	Trialpit No TP17
		derstanding	J Ground Conditions					Sheet 1 of 1
Projec Name		ston Hall Ba	arns, Aston Munslo	w 2103	ct No. 5		Co-ords: - Level: 152.70	Date 07/07/2021
Locati	ion: As	ston Hall. A	ston Munslow, Shro				Dimensions 0.31	Scale
							(m): Depth O	1:15 Logged
Client		r. & Mrs. D.	-				0.26	JB
Water Strike	S Dep		In Situ Testing De Results	Depth (m)	Level (m)	Legend		
	0.2	0 ES	5	0.07	152.63		Grass over TOPSOIL: (Comprising soft dark b slightly sandy slightly gravelly clayey Silt with a fine fibrous roots throughout. Sand is fine to medium siltstone.) SUBSOIL: (Comprising soft to firm light brown slightly sandy slightly gravelly Silt with abunda roots throughout. Sand is fine to medium. Gra angular to subangular fine to coarse of siltston End of pit at 0.26 m	abundant iedium. n of grey int fine
								3 -
Rema Stabili			vater encountered. r olfactory contamina vated.	tion noted.				

		tég	rale			Tri	al Pit Log	Trialpit No TP18	
	Under	rstanding Gro	ound Conditions					Sheet 1 of 1	
Projec Name		n Hall Barns,	, Aston Munslow	Projec 21035			Co-ords: - Level: 158.50	Date 07/07/2021	
			Munalaw Chronabi				Dimensions 0.7	Scale	
Locati	on: Asion	n Hall, Aston	Munslow, Shropshi	e, 517 9	ER		(m): Depth 0	1:15	
Client	Mr. 8	Mrs. D. Cle	evely				Depth Ö	Logged JB	
Water Strike		-	n Situ Testing	Depth	Level	Legend	Stratum Description		
Rema	0.20	ES	Results	(m) 0.25 0.60	(m) 158.25 157.90		MADE GROUND: (Comprising loosely compact brown slightly sandy slightly gravelly Silt with m cobble content. Sand is fine to coarse. Gravel to subangular fine to coarse of siltstone and bric manual cobbles of siltstone bound with sandy gravelly silt. Sand is fine to coarse. Grave angular to subangular fine of siltstone and bric End of pit at 0.60 m	nedium s angular k with ppact slightly rel is k.) 1	2
Stabili	No Ha	o visual or olfa	actory contamination n d. To be read in conjur		Trial Pit S	Sketch TF	18.		

		nt	éc	grale	2			Tri	al Dit Log	Trialpit I	
\geq				ound Condition	-			111	al Pit Log		
Projec	ot					Projec	t No.		Co-ords: -	Sheet 1 Date	
Name		ston Ha	all Barns	, Aston Munsl	OW	21035			Level: 158.20	07/07/20)21
Locat	ion: A	ston Ha	all, Astor	n Munslow, Sh	ropshire,	SY7 9E	R		Dimensions 0.43 (m):	Scale 1:15	
Client	M	r & Mr	s. D. Cle	evelv					Depth O	Logge	
	1			n Situ Testing					0.60	JB	
Water Strike	De		Туре	Results		Depth (m)	Level (m)	Legend			
						0.10	158.10	000000000	Weak pale grey CONCRETE. 50% aggregate a subrounded fine to medium of siltstone. 50% matrix fines.	ingular to atrix of	-
						0.20	158.00		MADE GROUND: (Comprising dark grey suban	igular	-
						0.20	157.94		Cobbles of basalt.) MADE GROUND: (Comprising firm green grey s	slightly] -
								× × ×	sandy slightly gravelly clayey Silt. Sand is fine to Gravel is angular to subangular fine of brick, ch	o coarse. arcoal	-
	0.4	10	ES					××××	And siltstone.) Medium dense olive green grey silty sandy ang		-
								× × × ×	subangular fine to coarse typically medium to co GRAVEL with medium cobble content. Sand is t	oarse fine to	-
						0.60	157.60	××××	medium. Cobbles are angular to siltstone. (WEATHERED UPPER LUDLOW SHALES)	,	-
									End of pit at 0.60 m	/	-
											-
											-
											-
											1 -
											-
											-
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											2 -
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											-
											-
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											-
											-
											-
											-
1											-
1											-
1											-
1											3 -
Rema	arks:			r encountered.			1	1	1		
				actory contamir d with breaker.			unction w	rith Trial F	Pit Sketch TP19.		
Stabil	ity:	Stable	e.								

		nt	éq	rale			Tri	al Pit Log	Trialpit M	
				und Conditions				3	Sheet 1 o	of 1
Projec		ston Ha	ll Barns.	, Aston Munslow	Projec			Co-ords: -	Date	
Name					21035			Level: 158.10 Dimensions 0.4	07/07/20 Scale	
Locati	ion: A	ston Ha	ll, Aston	Munslow, Shropsh	hire, SY7 9E	ER		(m);	1:15	
Client	: M	r. & Mrs	. D. Cle	evely				رات). Depth C 0.95	Logge JB	d
ه تر	5	Samples	s and In	Situ Testing	Depth	Level			00	
Water Strike	Dep	oth	Туре	Results	(m)	(m)	Legend	I Stratum Description		
Wa Stri	Deţ	oth	Type	Results	(m) 0.10	(m) 158.00		Weak grey CONCRETE. 50% aggregate angul siltstone. 50% matrix of fines. MADE GROUND: (Comprising loosely compac grey angular tabular Cobbles of dominantly silts lesser brick.) End of pit at 0.95 m	t brown	
Rema	rks:	No visu	al or olfa	r encountered.	noted.					3 -
		Hand e	xcavated	d with breaker. To be	read in conj	unction w	/ith Trial I	Pit Sketch TP20.		
Stabil	ity:	Stable	-							

	1-	L						Trialpit No	
			rale			Tri	al Pit Log	TP21	
		standing Gro	ound Conditions	Ducio	+ N -			Sheet 1 of 1	
Project Name:		n Hall Barns	, Aston Munslow	Projec 21035			Co-ords: - Level: 158.20	Date 07/07/2021	
Locatio			Munslow, Shropsh				Dimensions 0.58	Scale	
LUCali	JII. ASIOI	i nali, Aston					(m): 4. Depth 6.	1:15	
Client:	Mr. &	Mrs. D. Cle	evely				0.95	Logged JB	
Water Strike		- - T	n Situ Testing Results	Depth (m)	Level (m)	Legend	Stratum Description		
Wat	0.30	ES	Results				Stratum Description Brick sets (on edge). MADE GROUND: (Comprising soft to firm grey slightly sandy slightly gravelly Silt with low cobl content. Sand is fine to coarse of siltstone and lesse and plastic. Cobbles are angular tabular of silts Very weak olive green grey SILTSTONE recove sandy silty angular fine to coarse gravel. (UPPER LUDLOW SHALES) End of pit at 0.95 m	ple ar to r brick tone.) ered as	
								3	3 -
Remar	ks: No	groundwate	r encountered.		1	1	1		
	No	o visual or olfa	actory contamination d. To be read in conju		Trial Pit S	ketch TP	21.		
Stabilit		able.							

	Int	άn	rale			_		Trialpit N	
						Ir	ial Pit Log	TP22	
Project			und Conditions	Projec	t No.		Co-ords: -	Sheet 1 o Date	of 1
Name:		all Barns,	Aston Munslow	21035			Level: 157.60	07/07/20	
Locatio	on: Aston Ha	all, Aston	Munslow, Shropshire	e, SY7 9I	ER		Dimensions 0.5 (m): بر	Scale 1:15	
Client:	Mr. & Mr	s. D. Clee	evely				Depth 6	Logged JB	d
ater ike	-	1 1	Situ Testing	Depth	Level	Legend	Stratum Description		
Water Strike	0.40 0.40 1.00	Type ES D	Results	0.75 1.53	156.85 156.07		d Stratum Description Siltstone Chippings / MADE GROUND: (Comprisitosely compact pink brown slightly sandy claye angular to subangular fine to coarse Gravel of b concrete and siltstone with low cobble content. S fine to coarse. Cobbles are angular of siltstone.) Soft olive green grey slightly sandy slightly grave clayey SILT. Sand is fine to medium. Gravel is at subangular fine to medium of siltstone. (WEATHERED UPPER LUDLOW SHALES) End of pit at 1.53 m	y silty vrick, Sand is	1
Remar	ks: No arc	oundwater	encountered.						3 -
Stabilit	No vis Hand	ual or olfa excavated	ctory contamination no . To be read in conjunc	ted. tion with	Trial Pit S	ketch TF	222.		

		ntóc	rale			·		Trialpit No
						Ir	al Pit Log	TP23
		erstanding Gro	ound Conditions	Projec	at No.		Co-ords: -	Sheet 1 of 1
Projec Name	: Asto	on Hall Barns	, Aston Munslow	21035			Level: 156.90	Date 08/07/2021
Locati	on: Asto	on Hall, Astor	n Munslow, Shropshi	re, SY7 9l	ER		Dimensions 0.7	Scale
Client		& Mrs. D. Cle					(m): Depth 7	1:15 Logged
							0.33	JB
Water Strike	Sa Depth		n Situ Testing Results	Depth (m)	Level (m)	Legend	I Stratum Description	
	0.20	D		0.02	156.88		brown yellow silty gravelly fine to coarse Sand. angular fine to coarse of siltstone with timber fr and straw.) Very weak brown grey SILTSTONE. (UPPER LUDLOW SHALES)	Gravel is
Rema	N	lo groundwater lo visual or olfac land excavated	ctory contamination noted	í. ock chipped	l out with h	hand tools.	To be read in conjunction with Trial Pit Sketch TP23.	
Stabili	ty: S	Stable.						

		ntég	grale			Tri	al Pit Log	Trialpit No TP24
	Un	derstanding Gr	ound Conditions				9	Sheet 1 of 1
Projec Name		ston Hall Barns	s, Aston Munslow	Projec 21035			Co-ords: - Level: 156.90	Date 08/07/2021
			- Maria Iana Ohara ahira				Dimensions 0.4	Scale
Locati	ion: As	ston Hall, Asto	n Munslow, Shropshire	, 5179	ER		(m):	1:15
Client	: M	r. & Mrs. D. Cl	eevely				Depth oil	Logged JB
Water Strike	S	amples and I	n Situ Testing	Depth	Level	Legend	Stratum Description	
	0.2	0 ES		0.09	156.81 156.50		COBBLE sets comprising subrounded quartzite MADE GROUND: (Comprising moderately com brown sandy very clayey angular to subangular coarse Gravel of siltstone with rare brick and po soft brown gravelly clay.) c.0.09-0.40m depth: In S face of pit - Siltstone bedrock ex End of pit at 0.40 m	pact grey fine to ockets of
								2 -
Rema	irks:	No visual or of	er encountered. factory contamination no	ted.				
1		Hand excavate	ed with breaker. To be rea	ad in conj	junction w	/ith Trial I	Pit Sketch TP24.	
Stabili	ity:	Stable.						

		<u> </u>	<u> </u>						Trialpit N	No
				<u>rale</u>			Tri	al Pit Log	TP2	
		nderstan	ding Gro	ound Conditions	Draia	at Nia		On order	Sheet 1 o	
Projec Name		ston Ha	ll Barns	, Aston Munslow	Proje 2103			Co-ords: - Level: 156.80	Date 08/07/20	
								Dimensions 0.45	Scale	
Locat	ion: A	ston Ha	ll, Astor	n Munslow, Shrop	oshire, SY7 9	ER		(m) [.]	1:15	
Client	: M	lr. & Mrs	. D. Cle	evelv				Depth o	Logge	d
								0.55	JB	
Water Strike	De		Туре	n Situ Testing Results	Depth (m)	Level (m)	Legend		4 h u = 1 u =	
	0.5	30	ES		0.55	156.25		MADE GROUND: (Comprising loosely compact slightly sandy slightly gravelly Silt with low cobl content. Sand is fine to coarse of siltstone, plastic, s rare polystyrene. Cobbles are angular of siltstone c.0.3m depth: Siltstone bedrock exposed in N, W and S f below tooting.	ble lar to straw and one.)	2 -
1						1				. ·
										3 -
Rema	ırks:			r encountered. actory contamination	on noted.					
				d. To be read in co		Trial Pit S	Sketch TP	25.		
Stabil	ity:	Stable								

			rale			Tr	ial Pit Log	Trialpit N TP26 Sheet 1 c	6
ASTON Hall Barns ASTON MUINSIOW					ct No. 5		Co-ords: - Level: 156.80	Date 08/07/2021	
ocatio		all, Aston	Munslow, Shropshir	21035 re, SY7 9			Dimensions 0.45	Scale	
Client: Mr. & Mrs. D. Cleevely							(m): 0 Depth 7 0.22	1:15 Loggeo JB	d
er (e	Sample	es and In	Situ Testing	Depth	Level	Legend			
Water Strike	Depth	Туре	Results	(m) 0.10	(m) 156.70		Cobble sets comprising cemented subangular subrounded of quartzite.		
				0.10	156.58	× × × × × × × × × × × × × × × × × × ×	(UPPER LUDLOW SHALES)	STONE.	
							End of pit at 0.22 m		1
									2
Remar	ks: No gro	oundwater	encountered.						3
tabilit	Hand e	excavated	ctory contamination n with breaker. To be re	oted. ead in conj	junction w	/ith Trial	Pit Sketch TP26.		

								Trialpit N	lo
			rale			Tri	al Pit Log	TP27	
		erstanding Gro	ound Conditions	Droiog	t No		Co-ords: -	Sheet 1 o	of 1
Projec Name	ct Aste	on Hall Barns	, Aston Munslow	Projec 21035			Co-ords: - Level: 157.66	Date 08/07/20	21
Locati		on Hall Actor	Munslow, Shropsh				Dimensions 0.45	Scale	
LUCAL	ION. ASI		i Mulisiow, Shiopsh				(m): Depth 4.	1:15	
Client	: Mr.	& Mrs. D. Cle	evely				Depth ⁴ . 0.26	Logged JB	1
e e	Sa	mples and Ir	n Situ Testing	Depth	Level				
Water Strike	Dept	h Type	Results	(m)	(m)	Legend	Stratum Description Brick Sets (laid flat).		
	0.20	D		0.07	157.59		Medium dense olive green grey slightly sandy s angular to subangular fine to coarse GRAVEL o siltstone. Sand is fine to medium. (WEATHERED UPPER LUDLOW SHALES) <u>c.0.26m depth: Pit terminated in Siltstone bedrock.</u> End of pit at 0.26 m	snty of	-
									1 — - - -
									- - - -
									-
									2 -
									-
									-
									3 -
Rema Stabili	1 H	No visual or olfa	r encountered. actory contamination d with breaker. To be	noted. read in conj	unction w	∣ vith Trial F	Pit Sketch TP27.		

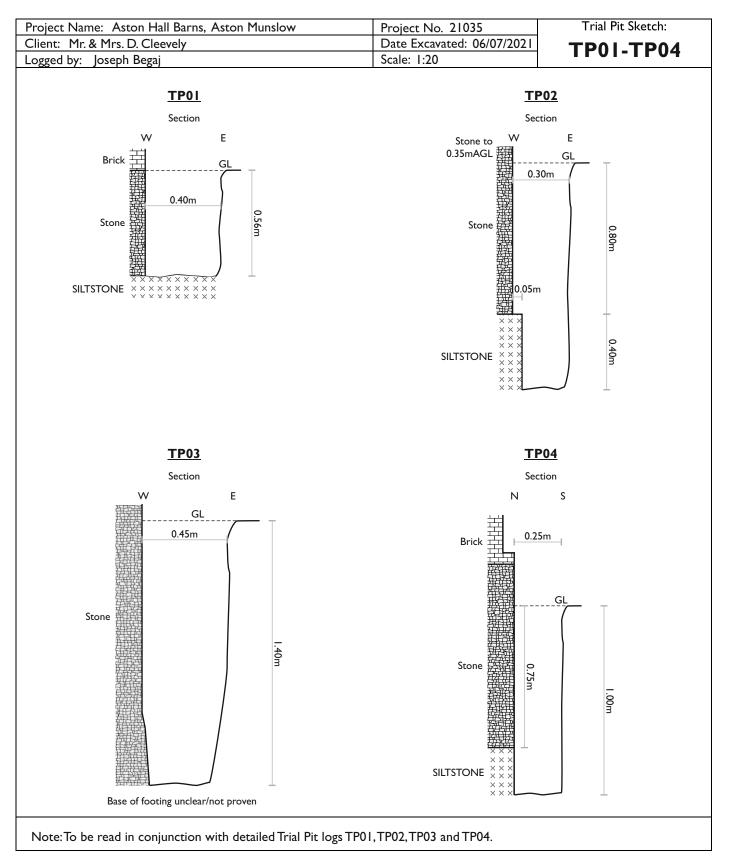
		+ ~ ~						Trialpit No
			<u>grale</u>			Tri	al Pit Log	TP28
		erstanding Gr	ound Conditions					Sheet 1 of 1
Projec Name		on Hall Barns	s, Aston Munslow	Projec 21035			Co-ords: - Level: 158.65	Date 08/07/2021
Locati			n Munslow, Shropshire				Dimensions 0.3	Scale
LUCAL	ION. ASU	on naii, Asio		, 317 9			(m): Depth o	1:15
Client	: Mr.	& Mrs. D. Cl	eevely				Depth O.21	Logged JB
er (e	Sa	mples and I	n Situ Testing	Depth	Level		Otractions Descriptions	
Water Strike	Dept	п Туре	Results	(m)	(m)	Legend	Stratum Description Weak pale grey CONCRETE. 50% aggregate.	50%
				0.10	158.55		matrix of fines.	-
	0.15	ES					MADE GROUND: (Comprising loosely compac grey very silty fine to medium Sand. Gravel is a	t brown Ingular to
				0.21	158.44		subangular of siltstone and brick.) c.0.21m depth: Pit terminated in Siltstone bedrock. End of pit at 0.21 m	
							End of pit at 0.21 m	
								-
								-
								-
								-
								-
								-
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								1 -
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								2 -
								-
								-
								-
								-
								-
								-
								-
								3 -
Rema	1	lo visual or ol	er encountered. factory contamination no	ted.	1	1	,	
	ŀ	land excavate	ed with breaker.					
Stabili	ity: S	Stable.						

			rale			Tr	al Pit Log	Trialpit No TP29
Projec	+		ound Conditions	Projec	ct No.		Co-ords: -	Sheet 1 of 1 Date
Name		n Hall Barns	, Aston Munslow	21035			Level: 156.19	08/07/2021
Locati	on: Asto	n Hall, Astor	Munslow, Shropshir	e, SY7 9	ER		Dimensions 0.35 (m):	Scale 1:15
Client:	Mr. 8	Mrs. D. Cle	evely				رات). ہی Depth O 0.58	Logged
5.0	San	nples and Ir	n Situ Testing	Depth	Level			JB
Water Strike	Depth	Туре	Results	(m)	(m)	Legend	Stratum Description	
	0.10 0.30	ES		0.17	156.02		Grass over TOPSOIL: (Comprising soft brown sandy slightly gravelly clayey Silt with little extra material and abundant fine fibrous roots throug Rare roots up to 10mmØ. Sand is fine to mediu is angular to subangular fine of brick, siltstone charcoal.) SUBSOIL: (Comprising soft to firm grey brown sandy slightly gravelly clayey Silt with occasion roots throughout. Sand is fine to medium. Grav	aneous hout. .m. Gravel and slightly al fine
	0.50	D		0.48	155.71		angular fine of siltstone and rare brick.) Medium dense olive green grey mottled orange	114 /
	0.50			0.58	155.61	× × ×	sandy angular to subangular fine to coarse GR siltstone. Sand is fine to medium.	
							c.0.58m depth: Pit terminated on Siltstone bedrock. End of pit at 0.58 m	
								2 -
Rema			r encountered.				1	
1		o visual or olfa and excavate	actory contamination n d.	uled.				
Stabili	ty: St	able.						

	1	~ L	<u> </u>						Trialpit I	No
				rale			Tri	al Pit Log	TP3	
		nderstan	iding Gro	ound Conditions	Droios	+ N -		Co-ords: -	Sheet 1 o Date	
Projec Name	t A	ston Ha	II Barns	s, Aston Munslow	Projec 21035			Level: 158.30	08/07/20	
Locati	on: A	ston Ha	II. Astor	n Munslow, Shropsh				Dimensions 0.5	Scale	;
								(m): Depth o	1:15 Logge	
Client		lr. & Mrs				1		1.20	JB	-
ater rike				n Situ Testing	Depth	Level	Legend	Stratum Description		
Water	0.4	pth	Type	Results	1.20	157.10		Stratum Description Probable MADE GROUND: (Comprising model compact olive green grey angular tabular COBI siltstone bound with much slightly sandy slightly silt. Sand is fine to medium. Gravel is angular fit coarse of siltstone.) End of pit at 1.20 m	BLES of y gravelly	
Rema	rks:	No gro	undwate	er encountered. actory contamination	noted					
1		Hand e	excavate	ed. To be read in conju	inction with	Trial Pit S	Sketch TP	30.		
Stabili	ity:	Stable								

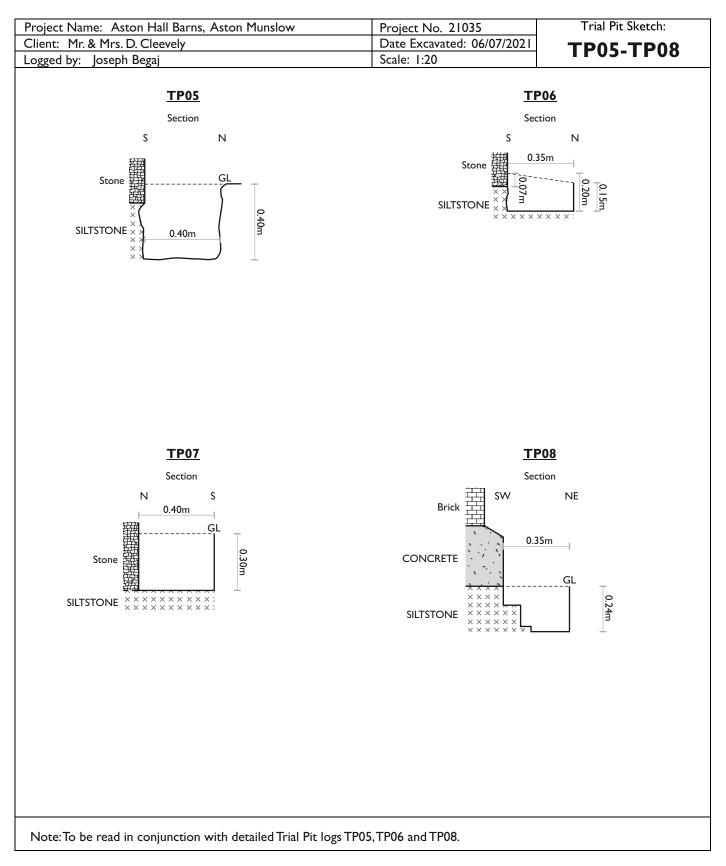
			Place				al Pit Log Trialpit N Sheet 1 o	I
Projec Name:		ll Barns	, Aston Munslow	Project 21035			Co-ords: - Date Level: 158.25 08/07/202	21
Locatio	on: Aston Ha	all, Astor	Munslow, Shropshire,	-			Dimensions 0.6 Scale	
Client:	Mr. & Mrs		evelv				Depth O Logged	1
				Depth			1.30 JB	
Water Strike	Depth	Туре	Results	(m)	Level (m)	Legend	Stratum Description	
	1.20	D		0.95	157.30		MADE GROUND: (Comprising loosely compact brown angular tabular Cobbles of siltstone with some brown sandy silt.) Firm olive green grey slightly sandy gravelly SILT. Sand is fine to medium. Gravel is angular fine to medium of siltstone. (WEATHERED UPPER LUDLOW SHALES) End of pit at 1.30 m	1 -
								3 -
Remar Stabilit	No visi Hand e	ual or olfa excavate	r encountered. actory contamination note d. To be read in conjuncti)m depth.	ed. on with [·]	Trial Pit S	ketch TP	31.	





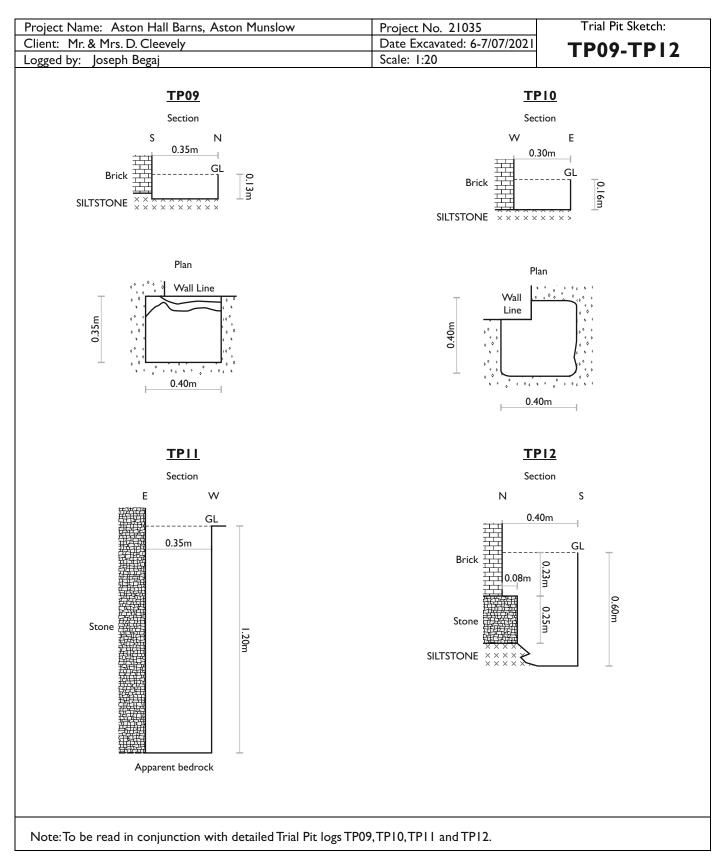
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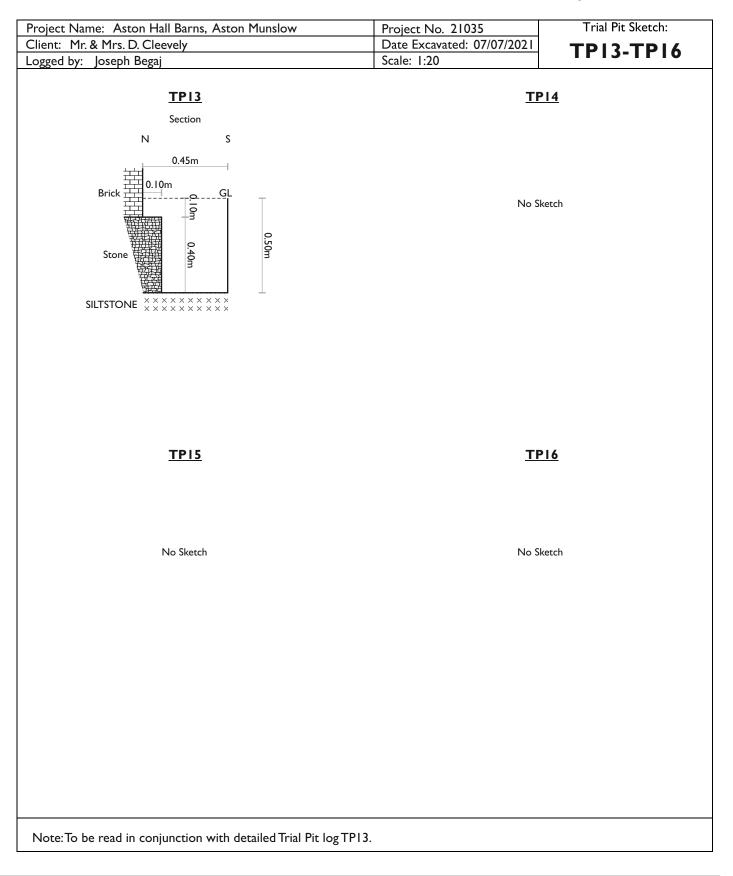
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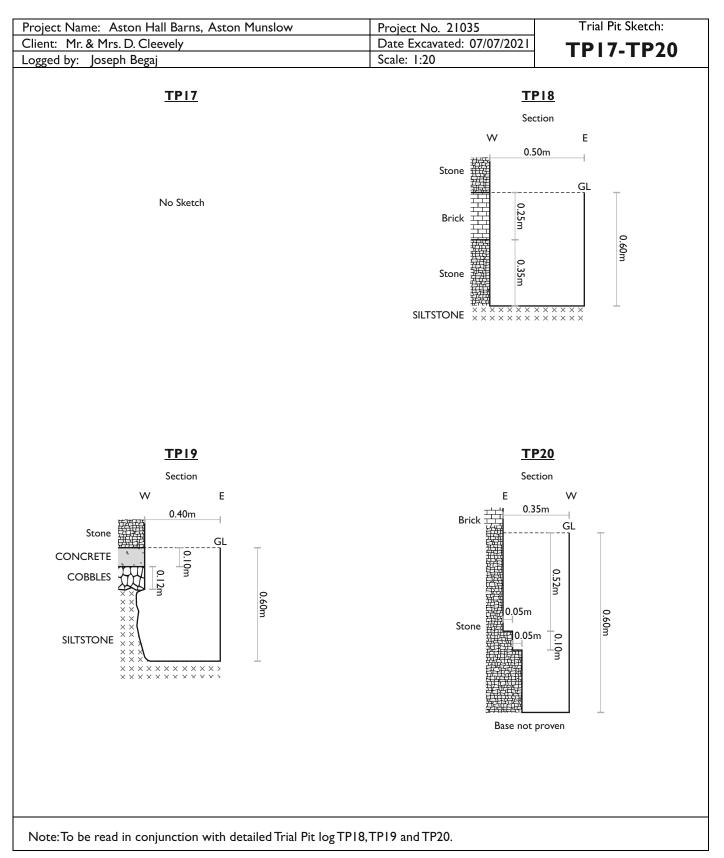
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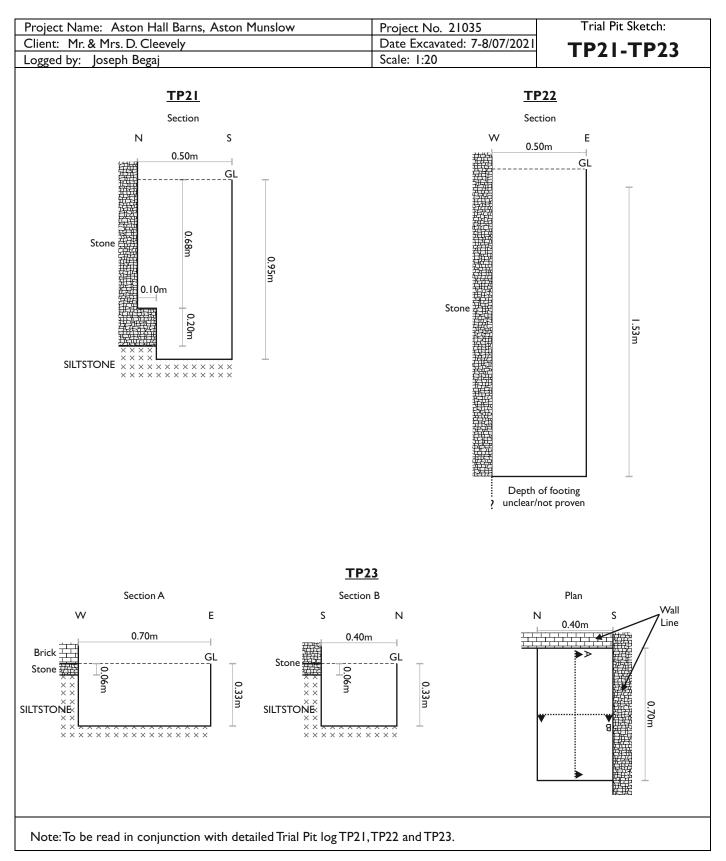
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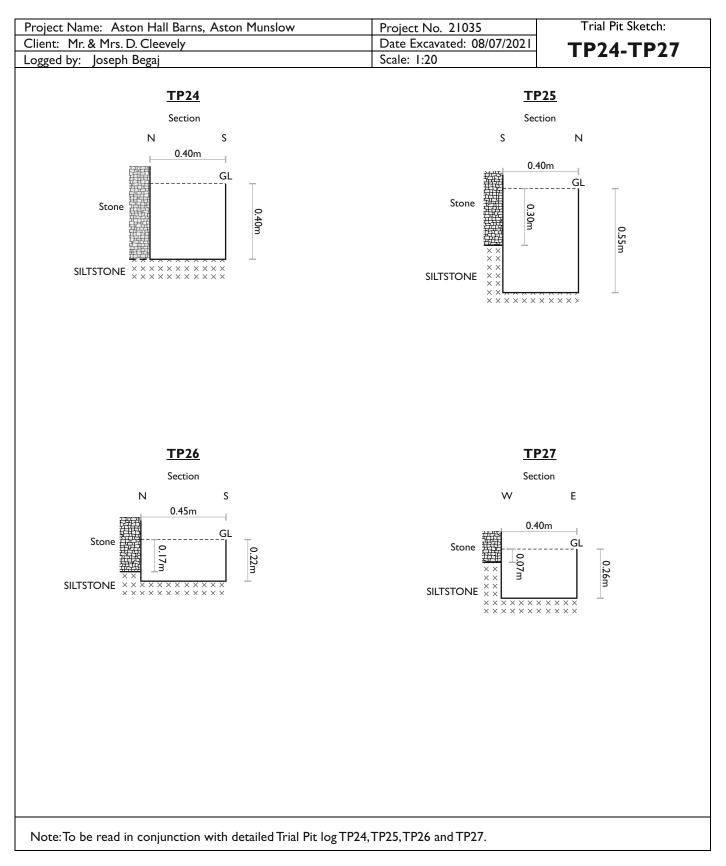
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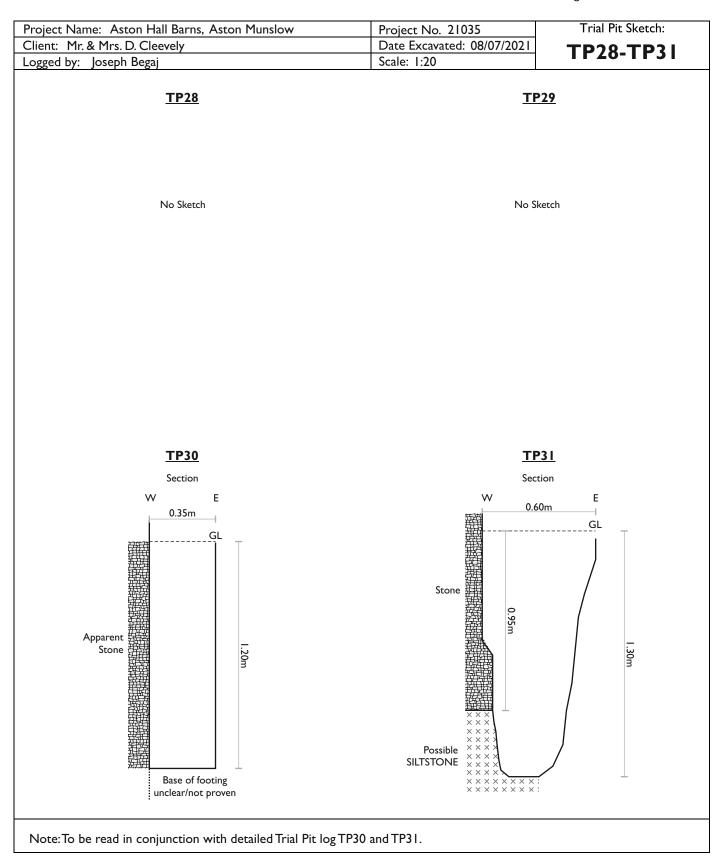
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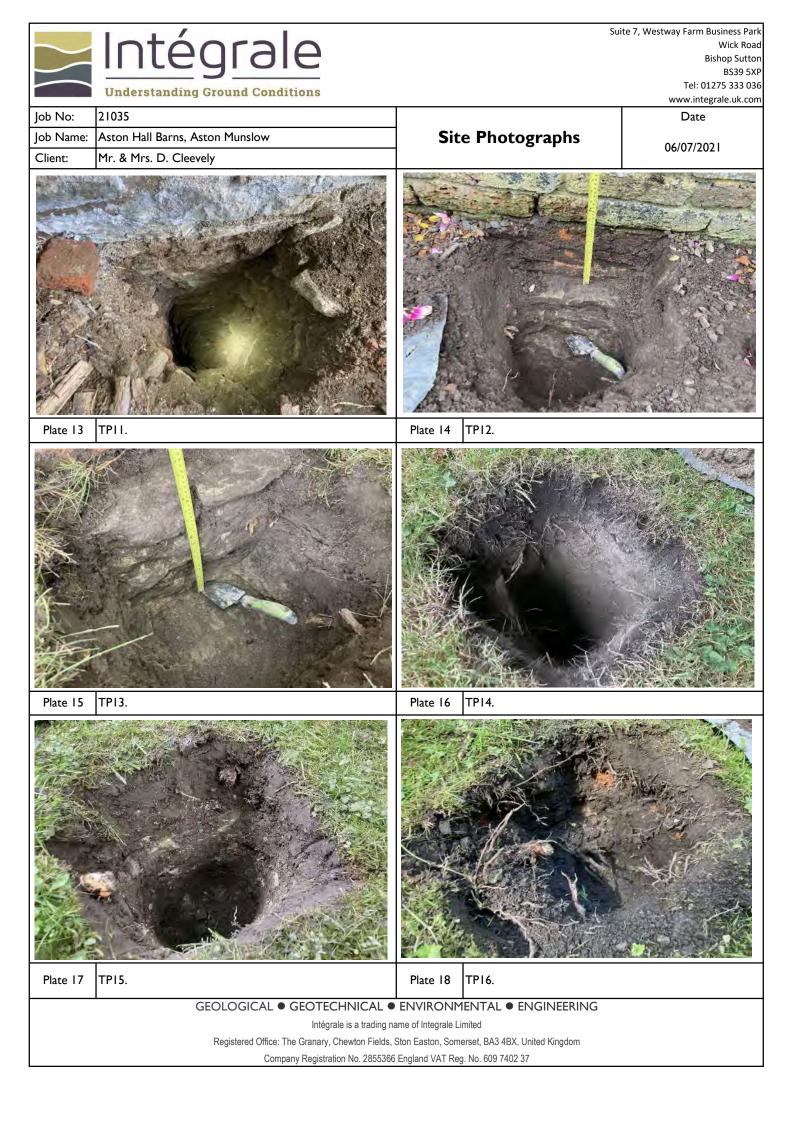


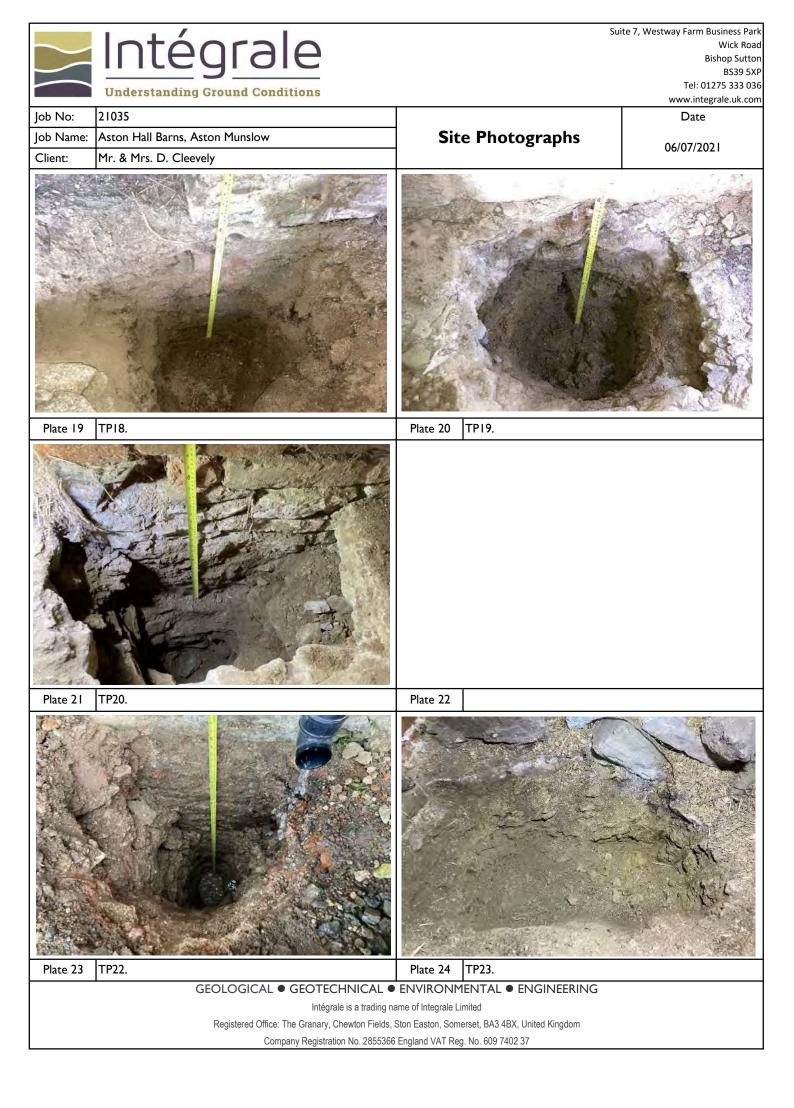


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		L <u> </u>						Trialpit No
			rale			Tri	al Pit Log	TPA
		tanding Gro	und Conditions	Droio	4 N I a			Sheet 1 of 1
Projec Name		Hall Barns,	Aston Munslow	Projec 21035			Co-ords: - Level: 157.00	Date 09/07/2021
Locati			Munslow, Shropshi	1			Dimensions 1.8	Scale
Locali	on. Asion	nali, Aston	Multislow, Shropshi	10, 517 9			(m): Depth o	1:10
Client:	Mr. &	Mrs. D. Cle	evely				Depth Ö	Logged JB
л e	Sam	ples and In	Situ Testing	Depth	Level			-
Water Strike	Depth	Туре	Results	(m)	(m)	Legend		
	0.10	ES		0.22	156.78		Grass over TOPSOIL: (Comprising soft brown sandy slightly gravelly clayey Silt with rare extr materials and abundant fine fibrous roots throu Sand is fine to coarse. Gravel is angular to sub fine to medium of siltstone, quartzite, brick and charcoal.) Very weak thinly bedded olive green grey SILT (UPPER LUDLOW SHALES)	aneous ghout. rounded rare
								2
Rema Stabili	No v Brea Ease		y contamination noted. ym 0.25m depth.					

	1 -	L						Trialpit No
			rale			Tri	al Pit Log	ТРВ
		standing Gro	und Conditions	Droio	+ N -			Sheet 1 of 1
Projec Name:		Hall Barns,	Aston Munslow	Projec 21035			Co-ords: - Level: 156.80	Date 09/07/2021
			Munslow, Shropshi				Dimensions 2.1	Scale
Locati	on. Asion	naii, Asion	Multislow, Shropshi	10, 517 9			(m): Depth o	1:10
Client:	Mr. &	Mrs. D. Cle	evely				Depth Ö	Logged JB
er (e	Sam	ples and In	Situ Testing	Depth	Level			_
Water Strike	Depth	Туре	Results	(m)	(m)	Legend		
	0.10	ES		0.20	156.60		Grass over TOPSOIL: (Comprising soft brown sandy slightly gravelly clayey Silt with rare extr material and abundant fine fibrous roosts throu Sand if fine to medium. Gravel is angular to sul fine to medium of siltstone, quartzite, brick and charcoal.) Extremely weak thinly bedded olive green grey SILTSTONE. (UPPER LUDLOW SHALES)	aneous ghout. brounded rare
	_							2 -
Rema	No	visual or olfa	encountered. actory contamination r	oted.				
			tion: Rock was 'crumb	ly' and ripp	ed out fa	irly easily	by bucket.	
Stabili	ty: Sta	ıble.						

		tác						Trialpit No
		<u>legi</u>	rale			Tri	al Pit Log	TPC
	Underst	anding Grou	nd Conditions					Sheet 1 of 1
Projec Name		Hall Barns, A	ston Munslow	Projec 21035			Co-ords: - Level:	Date 09/07/2021
			lunslow, Shropshir				Dimensions 1.45	Scale
Locati	on. Asion i	hall, Aston w	iunsiow, Shropshii	e, 517 91			(m): Depth o	1:10
Client	: Mr. & N	/Irs. D. Clee	/ely				0.72	Logged JB
Water Strike		les and In S		Depth	Level	Legend	I Stratum Description	
st Xa	Depth	Туре	Results	(m)	(m)		Grass over TOPSOIL: (Comprising loosely con	nact
							brown slightly sandy silty angular medium Grav basalt.)	/el of
	0.10	ES						
				0.15			Possible MADE GROUND: (Comprising soft gr mottled orange slightly sandy slightly gravelly s	ey brown illty Clay
							Sand is fine to coarse. Gravel is angular to sub fine to medium typically fine of brick, siltstone a	angular
							charcoal.)	
	0.40	ES						
								-
				0.60			Very weak thinly bedded olive green grey SILT	STONE
						******	(LIPPER LUDI OW SHALES)	
				0.72		******	At 0.72m depth: Mexecone - Refusal.	
							End of pit at 0.72 m	·/
								1 -
								-
								2 -
Rema	No v		tory contamination n		harr -f	nit		
Stabili			n: Hard. Bucket scra	iping along	y base of	pit.		

							Trialpi	t No
\square		eg	rale			Tri	ial Pit Log 🔰 🏴	D
	Understa	nding Gro	ound Conditions				Sheet 7	
Project Name:		all Barns	, Aston Munslow	Projec 21035			Co-ords: - Dat Level: 09/07/2	
Locatio		all Aston	Munslow, Shropshi				Dimensions 1.05 Sca	
							(m): 0 Depth 0 Logg	
Client:		rs. D. Cle	-	1	1	1		
Water Strike	-	1	n Situ Testing	Depth (m)	Level (m)	Legend	d Stratum Description	
s o	Depth 0.05	Type ES	Results				Grass over TOPSOIL: (Comprising soft brown slightly sandy clayey Silt with abundant fine fibrous roots throughout.)	
	0.20	ES		0.10			Possible MADE GROUND: (Comprising soft yellow brown mottled grey slightly sandy slightly gravelly clayey Silt. Sand is fine to medium. Gravel is angular fine to medium of siltstone.)	
				0.25			Possible MADE GROUND: (Comprising soft brown slightly sandy gravelly Clay. Sand is fine to medium. Gravel is angular fine to coarse of siltstone and rare charcoal.)	
				0.50			At 0.35m depth: Mexecone - 1, Refusal.	
							(UPPER LUDLOW SHALES)	
				0.85				_
				0.00			End of pit at 0.85 m	
								1 -
								2
Remar	No vis	sual or olfa	r encountered. actory contamination n tion: Moderate. Ripped		bbles.	I		1
Stabilit	y: Stabl	e.						

		<u> </u>						alpit No
		eg	rale			Tr	ial Pit Log 🔰 וי	ΈΕ
		nding Gro	ound Conditions				She	et 1 of 1
Projec Name:		all Barns	, Aston Munslow	Projec 21035				Date)7/2021
Locati	on: Aston H	all, Aston	Munslow, Shropshire				Dimensions 2.1 S	Scale
Client:			-	-				1:10 ogged
L O			n Situ Testing	Depth	Level			JB
Water Strike	Depth	Туре	Results	(m)	(m)	Legen	d Stratum Description	
	0.10	ES					Grass over MADE GROUND: (Comprising soft dark gre slightly sandy slightly gravelly clayey Silt with abundant fine fibrous roots throughout. Sand is fine to coarse. Gravel is angular to subangular fine to coarse of brick, siltstone and rare charcoal.)	ey la
				0.40			angular tabular cobbles with much silty sandy angular to subangular medium to coarse gravel. (UPPER LUDLOW SHALES) Between 0.40-0.90m depth: Made Ground locally deeper in c.0.300 wide strip around pipework.	
							<u>c.0.80m depth: 32mmØ water pipe</u> exposed running E-W across p	t. 1
				1.20		× × × × × × × × × × × × × × × × × × ×		
								2
Rema	No vis	ual or olfa	r encountered. actory contamination no tion: Moderate, no brea		red.	1		I
Stabili								

		~ L	<u> </u>						Trialpit No
				<u>rale</u>			Tri	al Pit Log	TPF
Projoc	.+			ound Conditions	Projec	ct No		Co-ords: -	Sheet 1 of 1 Date
Projec Name	: A	ston Ha	all Barns	s, Aston Munslow	21035			Level:	09/07/2021
Locati	on: A	ston Ha	all, Astor	n Munslow, Shropshi				Dimensions 0.3	Scale
					., 2.1 0			(m): m Depth o	1:10 Logged
Client	: N	lr. & Mr	s. D. Cle	eevely				0.30	JB
Water Strike	: De		s and I	n Situ Testing Results	Depth (m)	Level (m)	Legend	Stratum Description	
Rema				r encountered.	0.30			Grass over TOPSOIL: (Comprising soft brown sandy slightly gravelly clayey Silt with fine fibro throughout. Sand is fine to medium. Gravel is a subangular fine of siltstone.) End of pit at 0.30 m	us roots
, cina		No vis	ual or olf	factory contamination n	oted.				
Ctal.	i+. /.		excavate	20.					
Stabili	ity:	Stable	e.						

		~+	<u> </u>						Trialpit No
				<u>rale</u>			Tri	al Pit Log	TPG
Droiog		nderstar	iding Gr	ound Conditions	Projec	rt No		Co-ords: -	Sheet 1 of 1 Date
Projec Name	й А : А	ston Ha	II Barns	s, Aston Munslow	21035			Level:	09/07/2021
Locati	on: A	ston Ha	III. Astor	n Munslow, Shropsh				Dimensions 0.3	Scale
								(m): Depth o	1:10 Logged
Client	: N	1r. & Mr	s. D. Cle	eevely		1		0.30	JB
Water Strike		Sample	s and I Type	n Situ Testing Results	Depth (m)	Level (m)	Legend	Stratum Description	
Rema		No gro	undwate	er encountered.	0.30			Grass over TOPSOIL: (Comprising soft brown is sandy slightly gravelly clayey Silt with abundan fibrous roots throughout. Sand is fine to mediur is angular fine of siltstone.)	it fine
1		No vis	ual or olf excavate	actory contamination	noted.				
Stabili	tv:	Stable		····					
Stabili	·y.		<i>.</i>						



Appendix E

Soakaway Analyses

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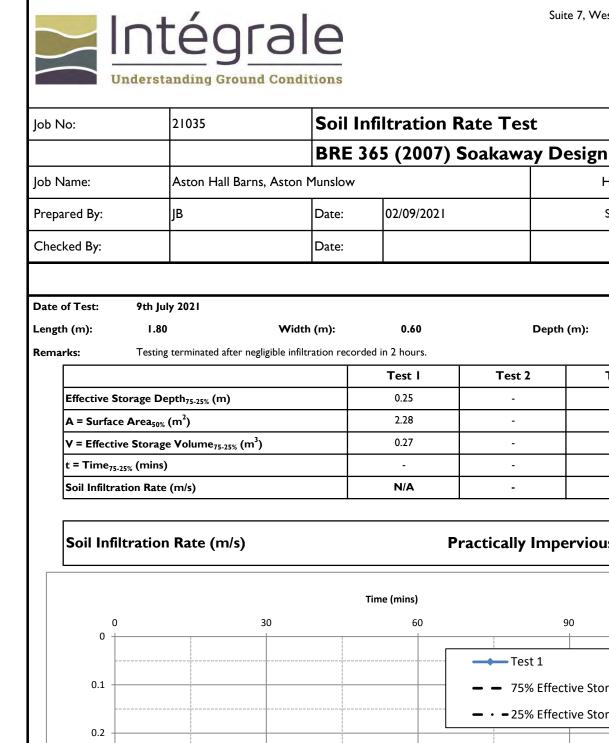


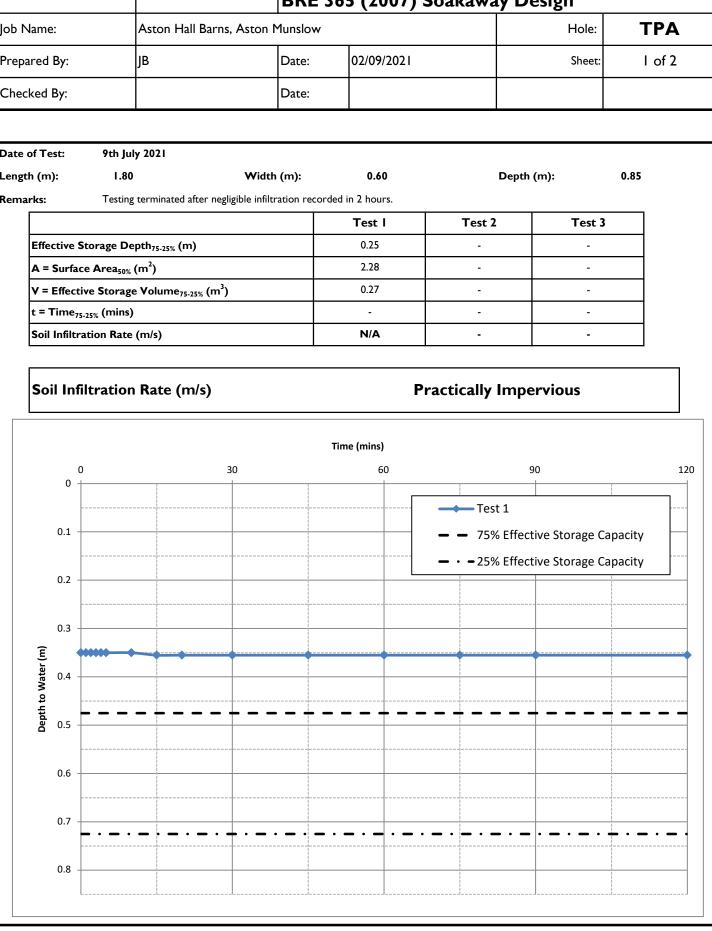
Tel: 01275 333036 www.integrale.uk.com

STANDARD METHODOLOGY FOR SOAKAWAY TESTING

Some trial pits also include soakaway testing in order to assess the soils permeability for design of stormwater drainage. The soakaway tests were completed in accordance with BRE Digest 365 (September 1991). This included excavation of pits to generally 1-2m depth, which were then filled with water on one to three occasions depending on the rate of infiltration. The water was supplied by a water bowser and discharged into the pits using a centrifugal pump. The falling head was recorded and therefore the rate of infiltration into the soils beneath.

The soakaway results have been prepared using a Microsoft Excel spreadsheet.



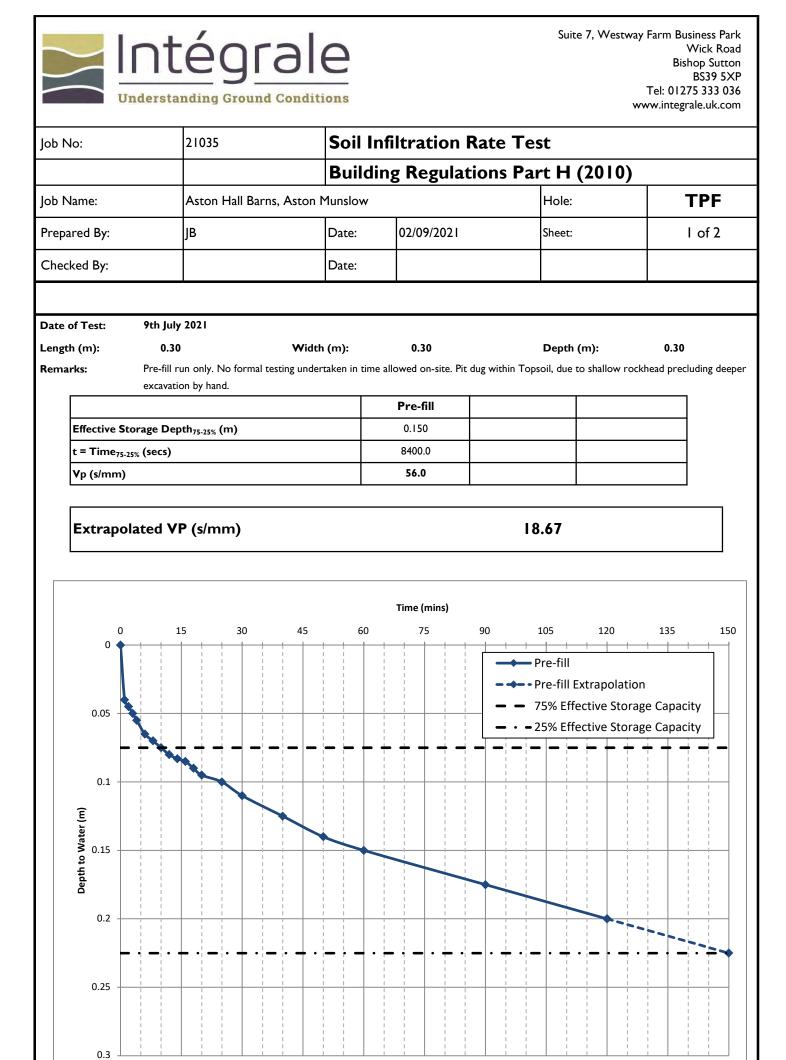


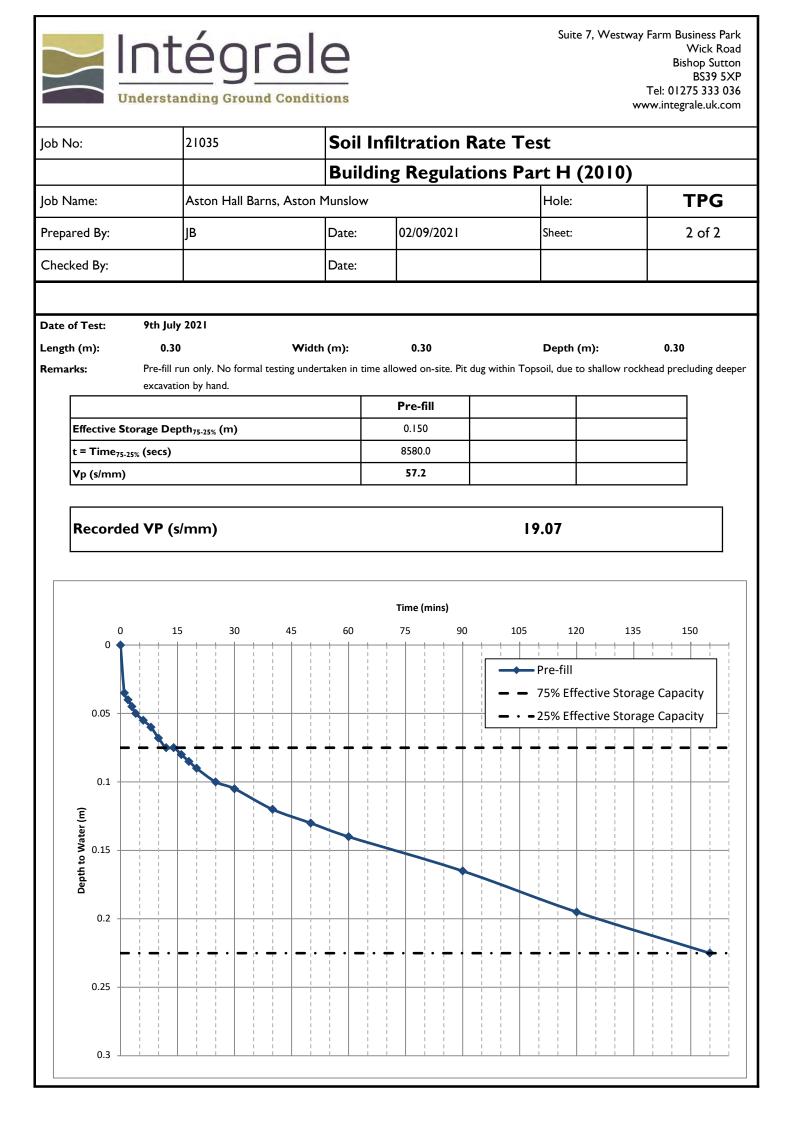


Understanding Ground Conditions

Suite 7, Westway Farm Business Park Wick Road **Bishop Sutton** BS39 5XP Tel: 01275 333 036 www.integrale.uk.com

No:	21035			Soil	Soil Infiltration Rate Test											
				BRE	36!	5 (20	07)	Soa	akav	way	D	esig	'n			
Name:	Aston H	all Barns	, Aston M	lunslow									Hol	le:		ТРВ
pared By:	JB			Date:		02/09/	2021						She	eet:		2 of 2
ecked By:				Date:												
e of Test: 9th	July 2021															
	2.10		Width	ı (m):		0.60			[Depth	ı (m):			0.80		
narks:						Test			Те	st 2		1	Те	st 3		1
Effective Storage [Depth _{75-25%} (m	ı)				0.25				-				-		
	A = Surface Area _{50%} (m ²)									-				-		
V = Effective Stora	ge Volume ₇₅₋₂	_{25%} (m ³)				0.32				-				-		
t = Time _{75-25%} (min						750.0				-				-		
Soil Infiltration Ra	te (m/s)					2.68E-0	6			-				-		
) 2.68E-06														
					Time	(mins)										
0 6	0 120	180 2	240 300	360	Time 420		0 !	540	600	66	0	720	780) 8	340	900
0 60	0 120	180 2	240 300	360			0 !		600			720	780) 8	340	900
	0 120	180 2	240 300	360			0			Test Test	1 1 Ex	trapo	lation			
0	0 120	180 2	240 300	360			0 5			Test Test 75%	1 1 Ex Effe	trapo	lation Stora	ı ge Ca	pacity	/
0	0 120		240 300	360			0			Test Test 75%	1 1 Ex Effe	trapo	lation	ı ge Ca	pacity	/
0			240 300	360			0			Test Test 75%	1 1 Ex Effe	trapo	lation Stora	ı ge Ca	pacity	/
0			240 300	360			0 5			Test Test 75%	1 1 Ex Effe	trapo	lation Stora	ı ge Ca	pacity	/
0			240 300	360			0 5			Test Test 75%	1 1 Ex Effe	trapo	lation Stora	ı ge Ca	pacity	/
0			240 300	360						Test Test 75%	1 1 Ex Effe	trapo	lation Stora	ı ge Ca	pacity	/
0			240 300	360			0			Test Test 75%	1 1 Ex Effe	trapo	lation Stora	ı ge Ca	pacity	/
				360						Test Test 75%	1 1 Ex Effe	trapo	lation Stora	ı ge Ca	pacity	/
0 0.1 0.2 0.3 0.4 0.4 0.4 0.4 0.4 0.5				360						Test Test 75%	1 1 Ex Effe	trapo	lation Stora	ı ge Ca	pacity	/
0 0.1 0.2 0.3 0.4 0.4 0.4				360						Test Test 75%	1 1 Ex Effe	trapo	lation Stora	ı ge Ca	pacity	/
0 0.1 0.2 0.3 0.4 0.4 0.4 0.5 0.6										Test Test 75%	1 1 Ex Effe	trapo	lation Stora	ı ge Ca	pacity	/
0 0.1 0.2 0.3 0.4 0.4 0.4 0.4 0.4 0.5										Test Test 75%	1 1 Ex Effe	trapo	lation Stora	ı ge Ca	pacity	/
0 0.1 0.2 0.3 0.4 0.4 0.4 0.5 0.6										Test Test 75%	1 1 Ex Effe	trapo	lation Stora	ı ge Ca	pacity	/







Appendix F

Rotary Borehole Logs & Photographs

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STANDARD METHODOLOGY FOR ROTARY CORED BOREHOLES

Boreholes were sunk utilising double core barrel rotary drilling techniques. Details of the drilling rig and techniques used are provided on each of the borehole records included as a separate appendix. The locations are given in Figure I and selected using information on the proposed redevelopment, existing buried services and structures, ongoing site use, reinstatement requirements and time constraints.

In general open holing or dry core drilling is utilised through soils and superficial strata, with casing used where necessary to prevent collapse of the unconsolidated material. The first core run is then commenced and core run lengths amended to suit the quality of rock returns being achieved.

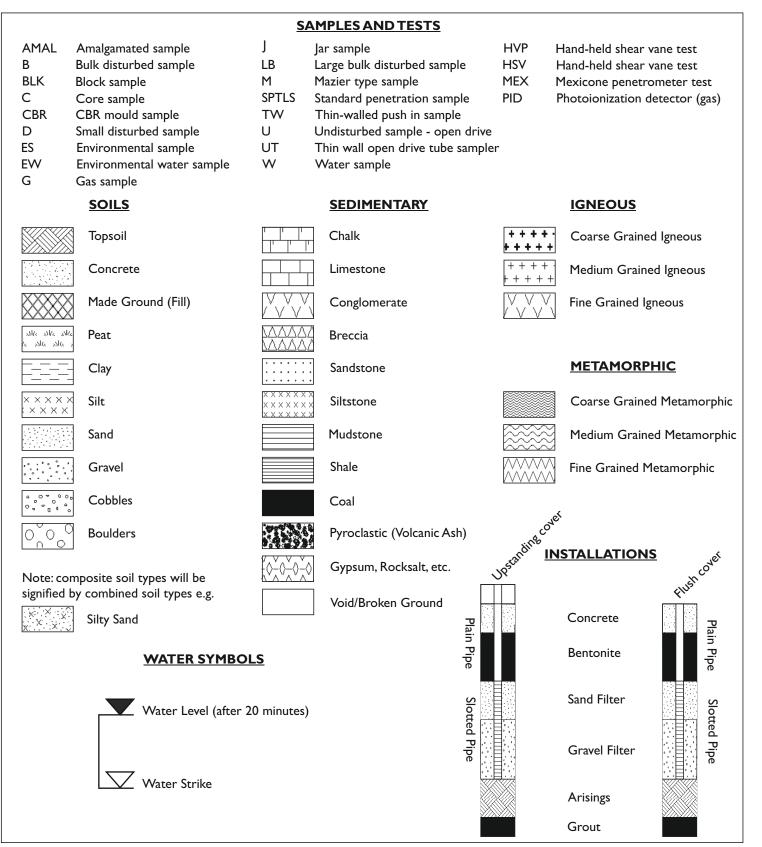
Groundwater observations are given on the borehole records. The depth of initial groundwater strikes and standing levels on completion are recorded.

The probing was directed and supervised full-time by an experienced geologist who logged the rock cores including details of recover and rock quality as Total Core Recovery, Solid Core Recovery and Rock Quality Designation. Colour photographs were taken of the cores and are available on request.

On completion the boreholes were either backfilled with their spoil, or a standpipe installation fitted.



EXPLORATORY HOLE EXPLANATION SHEET



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-		- <u>+ </u>							Borehole N	lo.
		ntég	JL5	ele		Bo	reho	ble Log	BH01	
	Und	lerstanding Gr	ound Co	onditions			1	0	Sheet 1 of	
Projec	t Name:	Aston Hall	Barns	, Aston Munslow	Project No. 21035		Co-ords:	-	Hole Type RO	e
Locatio	on:	Aston Hall	, Aston	Munslow, Shrop	shire, SY7 9I	ER	Level:	155.75	Scale 1:20	
Client:		Mr. & Mrs.	D. Cle	evely			Dates:	06/07/2021 - 06/07/2021	Logged B	у
	Water			n Situ Testing	Depth	Level			JB	
Well	Strikes	Depth (m)	Туре	Results	(m)	(m)	Legend	Stratum Description		
		1.50	D		0.10	155.65		Grass over TOPSOIL: (Comprising s brown slightly sandy slightly gravelly with little extraneous material and al fibrous roots throughout. Sand is fin Gravel is angular to subangular fine quartzite and charcoal.) MADE GROUND: (Comprising soft slightly sandy slightly gravelly silty O cobble content and occasional fine to throughout. Sand is fine to medium. angular of brick and charcoal with ra fragment. Cobbles are angular of br Very weak olive green grey SILTSTO (recovered as silt with some fine sub gravel). (UPPER LUDLOW SHALES)	v silty Clay bundant fine e to coarse. or brick, dark brown Clay with low roots Gravel is are metal ick.) DNE	2
										4
No visua Hand ex	eepage at al or olfac «cavated p	0.3m. tory contamination to 0.6m depth stalled to 3.0m.								

	ntég)ra	əle	2		R	ota	ry (Core Log	Borehole No BH02	
Und Project Name:	erstanding Gr Aston Hall				Pro	oject No.		Co-ords:		Sheet 1 of Hole Type	
-					21	035				RC Scale	
Location:	Aston Hall			IOW, SI	nropsni	re, SY7 91	ER	Level:	158.20	1:30 Logged B	
Client:	Mr. & Mrs.	D. Cle	-					Dates:	06/07/2021 - 06/07/2021	JB	, 1
Well Water Strikes	Depth (m) 0.00 - 0.50	Type / FI	TCR 100	Coring SCR 70	3 RQD 30	Depth (m) 0.09 0.35	Level (m) 158.11 157.85	Legend	Stratum Description Grass over TOPSOIL: (Comprising brown slightly sandy slightly gravell fine fibrous roots throughout. Sand medium. Gravel is angular fine of si rare sandstone.) MADE GROUND: (Comprising mod	soft dark y Clay with is fine to iltstone and derately	
	0.50 - 2.00		73	60	14				compact orange mottled brown slig sandy angular fine to coarse Grave lesser siltstone and rare limestone. Very weak thickly laminated olive gi SILTSTONE with occasional marine Slightly weathered. Discontinuities: to closely, horizontal locally sub-hor planar, rough locally smooth, open wide with occasional gravel infill an staining on fracture surfaces. (UPPER LUDLOW SHALES) From 0.35-0.50m depth: Highly fractured, re coarse gravel and cobbles. From 0.35-0.50m depth: Vib-vertical, undu open fracture. No infill. At 0.5m depth: CPT (25 for 60mm/50 for 70 At 1.0m depth: Becoming weak. At 2.0m depth: CPT (25 for 50mm/50 for 60	I of brick with) reen grey e fossils. Very closely rizontal, to moderately d rare iron ecovered as vlating, rough, Dmm) N*=214	1 -
	2.00 - 3.50		91	69	17				Below 2.95m depth: Locally with bands of a siltstone.	lark grey	3 -
	3.50 - 5.00	-	95	79	31	5.00	153.20		<u>At 3.50m depth: CPT (25 for 50mm/50 for 6</u> <u>At 5.0m depth: CPT (25 for 60mm/50 for 50</u> End of borehole at 5.00 m	0mm) N*=300 /	4
Remarks No groundwater e No visual or olfact Dynamically samp Monitoring well ins	ory contaminati led from Groun	d Level		depth.							6 -

		ntég Ierstanding Gr					R	ota	ry (Core Log	BH03 Sheet 1 of
roject	Name:	Aston Hall	Barns	, Astor	n Muns		oject No. 035		Co-ords:	-	Hole Type RC
catio	n:	Aston Hall	, Astor	n Muns	low, Sl	nropshi	re, SY7 9l	ER	Level:	155.70	Scale 1:30
ent:		Mr. & Mrs.	D. Cle	evely					Dates:	06/07/2021 - 06/07/2021	Logged B JB
	Water	Depth	Туре		Coring	9	Depth	Level	Legend	Stratum Description	
S S	Strikes	(m)	/ FI	TCR	SCR	RQD	(m)	(m)	Logona	Grass over TOPSOIL: (Comprising	
		0.00 - 0.50		100			0.15	155.55		brown slightly sandy slightly gravel fine fibrous roots throughout. Sand medium. Gravel is angular fine of s MADE GROUND: (Comprising loos	is fine to iltstone.)
		0.50 - 2.00		80	41	0	0.50	155.20		dark grey angular fine to medium G crystalline limestone.) Very weak thickly laminated olive g SILTSTONE with occasional marine Slightly weathered. Discontinuities: to closely spaced, horizontal locally horizontal, planar, rough locally sm moderately wide with occasional fir and rare iron staining on fracture fa (UPPER LUDLOW SHALES) At 1.0m depth: Becoming weak.	/ reen grey e fossils. Very closely / sub- ooth, open to ne gravel infill
	-	2.00 - 3.50		93	80	7				At 2.0m depth: Becoming medium strong. From 2.28-2.71m depth: Sub-vertical, roug with occasional iron staining and fine grave Below 3.0m depth: Locally with bands of da	l infill.
	-	3.50 - 5.00		95	73	38	5.00	150.70		End of borehole at 5.00 m	
										End o borenole at 3.00 m	

			rale and Conditions	Suite 7, W	Vestway Farm Business Park Wick Road Bishop Sutton BS39 5XP Tel: 01275 333 036 www.integrale.uk.com
Job No:	21035				Hole ID
Job Name:	Aston Hall E	Barns, Aston	Munslow	Rock Core	ВН02
Client:	Mr. & Mrs. [D. Cleevely		Photographs	Sheet No.
Logged By:	JB	Date:	06/07/2021		l of l
PROJECT N BOREHOLE I BH DEPTH FROM O	VO. BOX N	10. 1 or 2 2.00 0.30m 0.40r 1 1 1	SITE ASTON HALL BARNS, ASTO CLIENT MR & MRS D. CLEENELY ENGINEER MANN WILLIAMS LINUTED IN 0.50m 0.60m 0.70m 1 1 1	D.80m 0.90m 1.00m 1.10m 1.20m 1.30	And
Box No:	I of 2	Depth:	0.00-2.00m	Details:	
DEPTH FROM 2 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	21035 NO. HO2 BOX LOO TO 0.10m 0.20m 1	2. or 2 5.00 0.30m 0.40		0.80m 0.90m 1.00m 1.10m 1.20m 1.30	Or 1.40 m 1.50 m 0 M 1.40 m 1.50 m 0 M 1.40 m 1.50 m 0 M 1.40 m 1.50 m
Box No:	2 of 2	Depth:	2.00-5.00m	Details:	
	G	EULUGICA		ENVIRONMENTAL	U
		Registered Of		Ston Easton, Somerset, BA3 4BX, United Kingdon	
			Company Registration No. 2855366	England VAT Reg. No. 609 7402 37	

\sim	Int	én	rale	Suite 7,	Westway Farm Business Park Wick Road
			und Conditions		Bishop Sutton BS39 5XP Tel: 01275 333 036 www.integrale.uk.com
Job No:	21035				Hole ID
Job Name:	Aston Hall E	Barns, Aston	Munslow	Rock Core	ВН03
Client:	Mr. & Mrs. [D. Cleevely		Photographs	Sheet No.
Logged By:	JВ	Date:	06/07/2021		I of 2
DEPTH	21055	NO. OF 2 3.50 0.30m 0.40	SITE ASTON HALL BARNS, AST CLIENT ME & MES D. CLEENELY ENGINEER MANN WILLIAMS LINUTED m 0.50m 0.60m 0.70m 0.50m 0.60m 0.70m		tador 1.40m 1.50m
DEPTH	21055	NO. 2 of 2 5:00	SITE ASTON HALL BARNS, AST CLIENT MR & MRS D. CLOONELY ENGINEER MANN WILLIAMS LINITED	ION MINISLOW	Intégrale Badressalie Gruss Condition
3.0.	0.10m 0.20m	0.30m 0.40	m 0.50m 0.60m 0.70m 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.80m 0.90m 1.00m 1.10m 1.20m	1.30m 1.40m 1.50m
Box No:	2 of 2	Depth:	3.50-5.00m	Details:	
	G	EOLOGICA		ENVIRONMENTAL ENGINEER ame of Integrale Limited	ING
		Registered Of		Ston Easton, Somerset, BA3 4BX, United Kingdon	
			Company Registration No. 2855366	England VAT Reg. No. 609 7402 37	



Appendix G

Gas & Groundwater Monitoring

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Tel: 01275 333036 www.integrale.uk.com

STANDARD METHODOLOGIES FOR STANDPIPE INSTALLATIONS, SAMPLING and MONITORING FOR GAS AND GROUNDWATER

Standpipe Installations in Trial Pits

Simple 30-50mm diameter plastic standpipes are installed in trial pits during backfilling. These consist of slotted pipe throughout the buried length to within 0.5m of the ground surface, with unslotted pipe above. These are capped off with removable stop-ends above ground level. They provide a useful guide to soil gas conditions within the backfilled trial pit, however some soil gas will be lost by dispersal within the loose backfill at the surface of the pit. They are commonly used for monitoring standing groundwater levels which would develop within excavations, however careful consideration has to be given to the possible infiltration of rainfall and throughflow into the sump created by the excavated pit.

Standpipe Installations in Boreholes

Simple standpipes to measure the hydrostatic head of groundwater are formed in boreholes using 50mm diameter pipe. The details of individual installations are provided on borehole records. Typically the lower length is formed in slotted pipe, with the upper Im unslotted. The annulus between the riser pipe and the borehole wall is filled with clean granular material. Details of any bentonite seals or grouting are given on the borehole records. A removable gas tap is fitted where gas monitoring is required and standpipes typically have a metal access cover concreted in at ground level.

Standpipe piezometers are formed by using a Casagrande type piezometer tip at the base of the pipe, set in a granular response zone of sand or pea gravel. The response zone is isolated from the strata above and below by placing 500mm thick bentonite seals. The remaining annulus above the bentonite seal is filled with a cement bentonite grout or similar.

Groundwater Monitoring & Sampling

Details of return monitoring visits are included in this appendix. Groundwater standing levels are measured by inserting an electrically operated dip meter into the standpipe and recording the level to 2 decimal places, relative to existing ground level. Where groundwater levels are critical to calculation of hydraulic gradients or flow directions, the measurement is taken to 3 decimal places and to a marked point on the standpipe cover. That point is then surveyed and levelled to provide accurate calculations.

Groundwater samples are recovered using either Waterra valves and sample tubing or by manually lifting water from the standpipe using a bailer. For contamination analyses, the boreholes are initially purged by removing up to 3 borehole volumes of water, allowing the rest level to redevelop and taking a sufficient sample into custom containers. If groundwater does not recover sufficiently, the purged water may be used as the sample.

Gas Monitoring

Monitoring is usually completed in standpipes prior to groundwater measurements, using portable instruments. Details are given on the monitoring tables, and typically using a PhoCheck Tiger photoionisation detector to measure volatile organic compounds in ppm and a GA5000 Gas meter to measure oxygen, carbon dioxide and methane, both by % Lower Explosive Limit and % Volume. Atmospheric pressure and temperature are also recorded. Measurements are taken immediately on opening the gas valve and the highest to lowest levels recorded. If levels fluctuate, then this is recorded, with the maximum reading and a more typical or rest level given.



Suite 7, Westway Farm Business Park Wick Road, Bishop Sutton, Somerset, BS39 5XP, United Kingdom

Tel: 01275 333036 www.integrale.uk.com

Site	Aston Hall Barns, Aston Munslow
Client	Mr. & Mrs. D. Cleevely
Date	Thursday, August 19, 2021

Weather	Overcast
Air Temperature (°C)	17

Job No.	21035
Monitored By	GS
Visit No	Ι

Atmospheric Pressure (mbar)	994
Ground Conditions	Dry

Position ID	Time Elapsed (secs)	Gas Flow (I/hr)	%LEL	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	VOC (ppm)	Depth to Product (mbgl)	Depth to Water (mbgl)	Product Thickness (mm)	Well Depth (mbgl)
	0	0.0									
BH01	30	0.1	0	0.0	2.3	17.0	1.5	-	2.23	-	3.00
	60	0.1									
<u>Comments</u> :											
	0	0.1									
BH02	30	0.1	0	0.0	3.3	4.6	0.0	-	4.40	-	5.00
	60	0.1									
<u>Comments</u> : Carbon dioxide stable at 2.8%.											



Suite 7, Westway Farm Business Park Wick Road, Bishop Sutton, Somerset, BS39 5XP, United Kingdom

Tel: 01275 333036 www.integrale.uk.com

Site	Aston Hall Barns, Aston Munslow					
Client	Mr. & Mrs. D. Cleevely					
Date	Thursday, August 26, 2021					

Weather	Sunny
Air Temperature (°C)	21

 Job No.
 21035

 Monitored By
 GS

 Visit No
 2

Atmospheric Pressure (mbar)	1005
Ground Conditions	Dry

Position ID	Time Elapsed (secs)	Gas Flow (l/hr)	%LEL	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	VOC (ppm)	Depth to Product (mbgl)	Depth to Water (mbgl)	Product Thickness (mm)	Well Depth (mbgl)
	0	0.0									
BH01	30	0.1	0	0.0	2.4	17.2	-	-	2.25	-	3.00
	60	0.1									
<u>Comments</u> :	Comments:										
	0	0.0									
BH02	30	0.0	0	0.0	2.8	5.0	-	-	4.26	-	5.00
	60	0.0									
<u>Comments</u> :											



Suite 7, Westway Farm Business Park Wick Road, Bishop Sutton, Somerset, BS39 5XP, United Kingdom

Tel: 01275 333036 www.integrale.uk.com

Site	Aston Hall Barns, Aston Munslow	
Client	Mr. & Mrs. D. Cleevely	
Date	e Thursday, September 02, 2021	

Weather	Overcast w. sunny spells
Air Temperature (°C)	16

Job No.	21035
Monitored By	GS
Visit No	3

Atmospheric Pressure (mbar)	1012	
Ground Conditions	Dry	

Position ID	Time Elapsed (secs)	Gas Flow (I/hr)	%LEL	Methane (%/vol)	Carbon Dioxide (%/vol)	Oxygen (%/vol)	VOC (ppm)	Depth to Product (mbgl)	Depth to Water (mbgl)	Product Thickness (mm)	Well Depth (mbgl)
	0	0.0									
BH01	30	0.2	0	0.0	2.5	17.6	-	-	2.26	-	3.00
	60	0.2									
<u>Comments</u> :											
	0	0.1									
BH02	30	0.1	0	0.0	2.9	5.5	-	-	4.43	-	5.00
	60	0.1									
<u>Comments</u> :											



Appendix H

Results of Geotechnical Laboratory Testing

GEOLOGICAL • GEOTECHNICAL • ENVIRONMENTAL • ENGINEERING

Integrale Limited, Suite 7, Westway Farm Business Park, Wick Road, Bishop Sutton, Somerset, BS39 5XP United Kingdom Tel: 01275 333 036 www.integrale.uk.com

Registered Office: The Granary, Chewton Fields, Ston Easton, Somerset, BA3 4BX United Kingdom VAT Reg. No. 609 7402 37



Tel: 01275 333036 www.integrale.uk.com

STANDARD METHODOLOGY FOR GEOTECHNICAL SAMPLING

Soil samples are recovered from trial pits or borehole samples using a stainless steel trowel and immediately placed into airtight plastic tubs or bags, as appropriate for the testing. If required the soil samples may be wrapped in cling film, particularly in suspected desiccated soils. Samples are labelled with the site name, investigation location and depth and placed into either cool boxes or large bulk bags for transit from site. An analytical schedule is drawn up in line with the actual ground conditions proven, proposed site use and likely design parameters.

Samples are sent to a specialist testing laboratory. Testing is completed in line with BS1377 as far as possible and details of the test method and UKAS accreditation are provided by the laboratory on the results sheets in a separate appendix.

GEOLOGICAL • GEOTECHNICAL • ENVIRONMENTAL • ENGINEERING

TEST CERTIFICATE



i2 Analytical Ltd Unit 8 Harrowden Road Brackmills Industrial Estate Northampton NN4 7EB

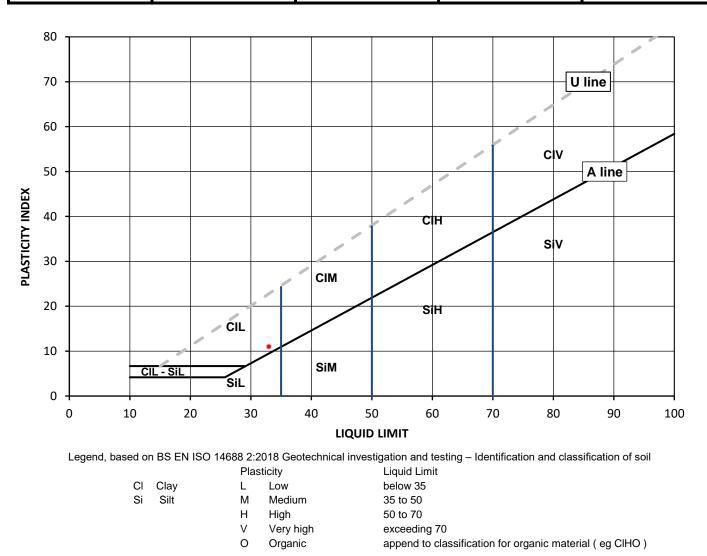


Tested in Accordance with: BS 1377-2: 1990: Clause 4.3 and 5

Client:	Integrale Limited	Client Reference:	21035
Client Address:	Unit 7, Westway Farm Business Park,	Job Number:	21-88006
	Wick Road, Bishop Sutton,	Date Sampled:	06/07/2021
	Somerset, BS39 5XP	Date Received:	20/07/2021
Contact:	Joseph Begaj	Date Tested:	26/07/2021
Site Address:	Aston Hall Barns, Aston Munslow	Sampled By:	Client - JB
Testing carried out at iz	2 Analytical Limited, ul. Pionierow 39, 41-711 Ruda Slaska, Poland		
Test Results:			
Laboratory Reference:	1944662	Depth Top [m]:	1.00
Hole No.:	TP3	Depth Base [m]:	Not Given
Sample Reference:	D3	Sample Type:	D
Soil Description:	Greyish brown slightly gravelly very sandy CLAY		

Sample Preparation: Tested after washing to remove >425um

	As Received Moisture	Liquid Limit	Plastic Limit	Plasticity Index	% Passing 425µm
	Content [W] %	[WL] %	[Wp] %	[lp] %	BS Test Sieve
I	23	33	22	11	78



Note: Moisture Content by BS 1377-2: 1990: Clause 3.2

Remarks:

Remarks:		
	Signed:	Szczepan Bielatowicz
Opinions and interpretations expressed herein are outside of the scope of the UKAS Accreditation. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The results included within the report relate only to the sample(s) submitted for testing.	Sergen Interna	PL Deputy Head of Geotechnical Section for and on behalf of i2 Analytical Ltd
	Page 1 of 1	Date Reported: 04/08/2021

TEST CERTIFICATE



i2 Analytical Ltd Unit 8 Harrowden Road Brackmills Industrial Estate Northampton NN4 7EB

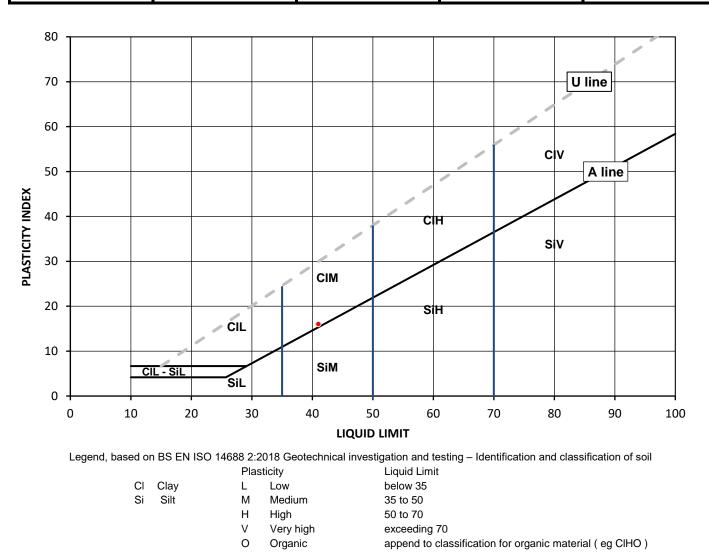


Tested in Accordance with: BS 1377-2: 1990: Clause 4.3 and 5

Client:	Integrale Limited	Client Reference: 210	35
Client Address:	Unit 7, Westway Farm Business Park,	Job Number: 21-8	38006
	Wick Road, Bishop Sutton,	Date Sampled: 07/0)7/2021
	Somerset, BS39 5XP	Date Received: 20/0)7/2021
Contact:	Joseph Begaj	Date Tested: 26/0)7/2021
Site Address:	Aston Hall Barns, Aston Munslow	Sampled By: Clie	nt - JB
Testing carried out at i	2 Analytical Limited, ul. Pionierow 39, 41-711 Ruda Slaska, Polano	d	
Test Results:			
Laboratory Reference:	1944665	Depth Top [m]: 1.50)
Hole No.:	TP22	Depth Base [m]: Not	Given
Sample Reference:	D3	Sample Type: D	
Soil Description:	Greyish brown slightly gravelly sandy CLAY		

Tested after washing to remove >425um Sample Preparation:

As Received Moisture	Liquid Limit	Plastic Limit	Plasticity Index	% Passing 425µm
Content [W] %	[WL] %	[Wp] %	[lp] %	BS Test Sieve
30	41	25	16	



Note: Moisture Content by BS 1377-2: 1990: Clause 3.2

R

Remarks:		
Opinions and interpretations expressed herein are outside of the scope of the UKAS Accreditation. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The results included within the report relate only to the sample(s) submitted for testing.	Signed: Sagan Galdan	Szczepan Bielatowicz PL Deputy Head of Geotechnical Section for and on behalf of i2 Analytical Ltd
	Page 1 of 1	Date Reported: 04/08/2021

SUMMARY REPORT

Summary of Classification Test Results

Tested in Accordance with:

Client: Client Address:	Integrale Limited Unit 7, Westway Farm Business Park, Wick Road, Bishop Sutton, Somerset, BS39 5XP	Moisture Content by BS 1377-2: 1990: Clause 3.2; Water Content by BS EN 17892-1: 2014; Atterberg by BS 1377-2: 1990: Clause 4.3 (4 Point Test), Clause 4.4 (1 Point Test) and 5; PD by BS 1377-2: 1990: Clause 8.2
Contact:	Joseph Begaj	
Site Address:	Aston Hall Barns, Aston Munslow	

i2 Analytical Ltd Unit 8 Harrowden Road Brackmills Industrial Estate Northampton NN4 7EB



Client Reference: 21035 Job Number: 21-88006 Date Sampled: 06/07 - 07/07/2021 Date Received: 20/07/2021 Date Tested: 26/07/2021 Sampled By: Client - JB

Site Address: Aston Hall Barns, Aston Munslow Testing carried out at i2 Analytical Limited, ul. Pionierow 39, 41-711 Ruda Slaska, Poland

Test results

			Sample	9				ntent	tent		Atte	rberg			Density		#		
Laboratory Reference	Hole No.	Reference	Depth Top	Depth Base	Туре	Description	Remarks	Moisture Content [W]	Water Content [W]	% Passing 425um	WL	Wp	lp	bulk	dry	PD	Total Porosity#		
			m	m				%	%	%	%	%	%	Mg/m3	Mg/m3	Mg/m3	%		
1944663	TP13	D2	0.50	Not Given	D	Greyish brown very gravelly very sandy CLAY		12											
1944664	TP22	D2	1.00	Not Given	D	Brown gravelly sandy CLAY		36											
1944665	TP22	D3	1.50	Not Given	D	Greyish brown slightly gravelly sandy CLAY	Atterberg 4 Point	30		83	41	25	16						
1944662	TP3	D3	1.00	Not Given	D	Greyish brown slightly gravelly very sandy CLAY	Atterberg 4 Point	23		78	33	22	11						

Note: # Non accredited; NP - Non plastic

Comments:

Signed:



Szczepan Bielatowicz PL Deputy Head of Geotechnical Section for and on behalf of i2 Analytical Ltd

Opinions and interpretations expressed herein are outside of the scope of the UKAS Accreditation. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The results included within the report relate only to the sample(s) submitted for testing.

Date Reported: 04/08/2021 GF 238.12



Joseph Begaj Integrale Limited Unit 7 Westway Farm Business Park Wick Road Bishop Sutton Somerset BS39 5XP



i2 Analytical Ltd. 7 Woodshots Meadow, Croxley Green Business Park, Watford, Herts, WD18 8YS

t: 01923 225404 f: 01923 237404 e: reception@i2analytical.com

e: josephbegaj@integrale.uk.com

Analytical Report Number : 21-88011

Project / Site name:	Aston Hall Barns, Aston Munslow	Samples received on:	20/07/2021
Your job number:	21035	Samples instructed on/ Analysis started on:	20/07/2021
Your order number:	21035-1877	Analysis completed by:	02/08/2021
Report Issue Number:	1	Report issued on:	04/08/2021
Samples Analysed:	3 soil samples		

Signed: V. Cherwinskie

Agnieszka Czerwińska Technical Reviewer (Reporting Team) For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41 -711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils	- 4 weeks from reporting
leachates	- 2 weeks from reporting
waters	- 2 weeks from reporting
asbestos	- 6 months from reporting

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Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement. Application of uncertainty of measurement would provide a range within which the true result lies. An estimate of measurement uncertainty can be provided on request.





Lab Sample Number				1944677	1944678	1944679
Sample Reference				BH1	TP14	TP31
Sample Number				D3	D3	D1
Depth (m)				1.50	0.75	1.20
Date Sampled		06/07/2021	07/07/2021	08/07/2021		
Time Taken		None Supplied	None Supplied	None Supplied		
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status			
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	4.3	12	8.7
Total mass of sample received	kg	0.001	NONE	0.50	0.50	0.50

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	8.5	6.9	7.6
Total Sulphate as SO4	%	0.005	MCERTS	0.019	0.069	0.067
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.013	0.18	0.18
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	13.1	175	182
Total Sulphur	%	0.005	MCERTS	0.009	0.028	0.025

U/S = Unsuitable Sample I/S = Insufficient Sample





Analytical Report Number : 21-88011

Project / Site name: Aston Hall Barns, Aston Munslow

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
1944677	BH1	D3	1.5	Brown loam and clay with gravel and vegetation.
1944678	TP14	D3	0.75	Brown loam and clay with gravel and vegetation.
1944679	TP31	D1	1.2	Brown loam and clay with gravel.





Analytical Report Number : 21-88011 Project / Site name: Aston Hall Barns, Aston Munslow

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Moisture Content	Moisture content, determined gravimetrically. (30 oC)	In house method.	L019-UK/PL	W	NONE
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement.	In house method.	L099-PL	D	MCERTS
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight.	In-house method based on British Standard Methods and MCERTS requirements.	L019-UK/PL	D	NONE
Total Sulphate in soil as %	Determination of total sulphate in soil by extraction with 10% HCl followed by ICP-OES.	In house method.	L038-PL	D	MCERTS
Total Sulphur in soil as %	Determination of total sulphur in soil by extraction with aqua-regia, potassium bromide/bromate followed by ICP- OES.	In house method.	L038-PL	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Determination of water soluble sulphate by ICP-OES. Results reported directly (leachate equivalent) and corrected for extraction ratio (soil equivalent).	In house method.	L038-PL	D	MCERTS
Sulphate, water soluble, in soil	Determination of water soluble sulphate by ICP-OES. Results reported directly (leachate equivalent) and corrected for extraction ratio (soil equivalent).	In house method.	L038-PL	D	MCERTS

For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom. For method numbers ending in 'PL' analysis have been carried out in our laboratory in Poland. Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

SUMMARY REPORT

Summary of Point Load Strength Index Tests Results

Tested in Accordance with: ISRM: 2007, pages 125-132

i2 Analytical Ltd Unit 8 Harrowden Road **Brackmills Industrial Estate** Northampton NN4 7EB



Client Reference: 21035 Job Number: 21-95788 Date Sampled: 06/07/2021 Date Received: 11/08/2021 Date Tested: 02/09/2021 Sampled By: Not Given

Client Address: Unit 7, Westway Farm Business Park, Wick Road, Bishop Sutton, Somerset, BS39 5XP Contact: Joseph Begaj Site Address: Aston Hall Barns, Aston Munslow Testing carried out at i2 Analytical Limited, ul. Pionierow 39, 41-711 Ruda Slaska, Poland

Integrale Limited

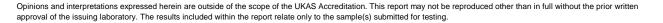
Test results

4041 Client:

			Sample	2			if measured)			nt De		t Load th Index							
Laboratory Reference	Hole No.	Reference	Depth Top m	Depth Base m	Туре	Description	(including water content	Specimen Refer	Type (D, A, I, B)	(D, A, I, B) Direction (L, P or U)					Dps' mm	Force P kN	Benivalent Beneter, De	ls MPa	ls(50) MPa
1989885	BH02	D1	2.40	2.50	U	Brownish grey SILTSTONE	WC = 4.0%	1	A	U	YES	-	85.8	46.0	40.0	7.2	66.1	1.64	1.86

Dimensions: Eps - Distance between platens (platen separation), Dps² - afailure (see ISRM note 6), Lne - Length from platens to nearest free end W - Width of shortest dimension perpendicular to load, P; Detailed legerd for test and dimensions, based on ISRM, is show above; Size factor, F = (De/S00.45 for all tests

Comments:



Signed:

Hanks

Burohile

PL Deputy Geotechnical Laboratory Manager for and on behalf of i2 Analytical Ltd

Monika Janoszek

SUMMARY REPORT

Summary of Uniaxial Compression Test on Rock Test Results

Tested in Accordance with: ISRM, 2007, p153, part 1

i2 Analytical Ltd Unit 8 Harrowden Road **Brackmills Industrial Estate** Northampton NN4 7EB



Client Reference: 21035 Job Number: 21-95788 Date Sampled: 06/07/2021 Date Received: 11/08/2021 Date Tested: 02/09/2021 Sampled By: Not Given



Client: Integrale Limited Client Address: Unit 7, Westway Farm Business Park, Wick Road, Bishop Sutton,

Somerset, BS39 5XP Joseph Begaj Contact: Site Address: Aston Hall Barns, Aston Munslow Testing carried out at i2 Analytical Limited, ul. Pionierow 39, 41-711 Ruda Slaska, Poland

Test results

			Sample	5			Mottled grey SILTSTONE Sample is below recommended length to diameter ratio. 85.6 118.9 1.4 Vertice	sions (2)			Uniaxia	al Compre	ssion (3)				
Laboratory Reference	Hole No.	Reference	Depth Top	Depth Base	Туре	Description	Remarks	Diameter	Length	H/D	Orientation of sample	Bulk density (2)	Water Content (1)	Condition	Stress Rate	Mode of failure	UCS
			m	m				mm	mm			Mg/m3	%		Mpa/s		Мра
1989886	BH02	D2	5.00	5.10	U	Mottled grey SILTSTONE		85.6	118.9	1.4	Vertical	2.53	4.0	as received	0.0870	MS + AC	37.3
1989887	BH03	D1	3.60	3.75	U	Light grey SILTSTONE		85.7	82.5	1.0	Vertical	2.52	2.9	as received	0.0867	MS + AC	37.3
Note: 1 - ISRM	p87 test 1, water co	ntent at 105 ± 3 oC,	, specimer	as tested	for UCS, 2 ·	ISRM p86 clause (vii), Caliper method used for determination	n of bulk volume and derivation	of bulk d	ensity, 3 -	ISRM p15	3 part 1, determinat	ion of Unia	ixial Comp	ressive Strength (L	JCS) of R	ock Materi	als,

Note: above notes apply unless annotated otherwise in the remarks. Compaction machine: VJ Tech AUTOCON - VJT 51-3011; Mode of failure legend: S - Single shear, MS - multiple shear, AC - Axial cleavage, F - Fragmented

Comments:

Opinions and interpretations expressed herein are outside of the scope of the UKAS Accreditation. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The results included within the report relate only to the sample(s) submitted for testing.



Monika Janoszek PL Deputy Geotechnical Laboratory Manager for and on behalf of i2 Analytical Ltd

Page 1 of 1



Appendix I

Results of Contamination Analyses

GEOLOGICAL • GEOTECHNICAL • ENVIRONMENTAL • ENGINEERING

Integrale Limited, Suite 7, Westway Farm Business Park, Wick Road, Bishop Sutton, Somerset, BS39 5XP United Kingdom Tel: 01275 333 036 www.integrale.uk.com

Registered Office: The Granary, Chewton Fields, Ston Easton, Somerset, BA3 4BX United Kingdom VAT Reg. No. 609 7402 37



Tel: 01275 333036 www.integrale.uk.com

STANDARD METHODOLOGY FOR CONTAMINATION SAMPLING & SCHEDULING

Soil samples for contamination analyses are recovered from trial pits or borehole samples using a stainless steel trowel and immediately placed into airtight amber glass jars, vials, or plastic tubs, as appropriate for the testing. These samples are labelled with the site name, investigation location and depth and placed into cool boxes for transit from site. Groundwater samples recovered during subsequent monitoring visits are similarly treated.

An analytical schedule is drawn up in line with the desk study findings, guidance given in CLR 8 and any relevant industry information, the actual ground conditions proven and proposed site use.

Samples are sent via overnight courier to the specialist testing laboratory. Testing is scheduled for MCERTS accredited analyses as far as possible and details of the test method are provided by the laboratory on the results sheets in a separate appendix. A standard turnaround of 10 working days is adopted unless otherwise agreed with the client at the time of instruction.



Joseph Begaj Integrale Limited Unit 7 Westway Farm Business Park Wick Road Bishop Sutton Somerset BS39 5XP



i2 Analytical Ltd. 7 Woodshots Meadow, Croxley Green Business Park, Watford, Herts, WD18 8YS

t: 01923 225404 f: 01923 237404 e: reception@i2analytical.com

e: josephbegaj@integrale.uk.com

Analytical Report Number : 21-87398

Project / Site name:	Aston Hall Barns Aston Munslow	Samples received on:	14/07/2021
Your job number:	21035	Samples instructed on/ Analysis started on:	16/07/2021
Your order number:	21035 1876	Analysis completed by:	27/07/2021
Report Issue Number:	1	Report issued on:	27/07/2021
Samples Analysed:	7 soil samples		

Auradio Signed:

Joanna Wawrzeczko Technical Reviewer (Reporting Team) For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41 -711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils	- 4 weeks from reporting	
leachates	- 2 weeks from reporting	
waters	- 2 weeks from reporting	
asbestos	- 6 months from reporting	

Excel copies of reports are only valid when accompanied by this PDF certificate.

Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement. Application of uncertainty of measurement would provide a range within which the true result lies. An estimate of measurement uncertainty can be provided on request.





Lab Sample Number				1940673	1940674	1940675	1940676	1940677
Sample Reference				TP3	TPC	TP11	TP15	TP17
Sample Number				ES1	ES2	ES1	ES2	ES1
Depth (m)				0.05	0.40	0.50	0.30	0.20
Date Sampled				06/07/2021	09/07/2021	06/07/2021	07/07/2021	07/07/2021
Time Taken				None Supplied				
	1	_	1	Hone Supplied	Hone Supplied	None Supplied	Hone Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	16	16	18	17	13
Total mass of sample received	kg	0.001	NONE	0.90	1.1	1.1	1.0	1.0
Asbestos in Soil	Туре	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected	Not-detected
General Inorganics								
pH - Automated	pH Units	N/A	MCERTS	7.6	6.9	8.1	8.3	6.6
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Thiocyanate as SCN	mg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Total Sulphate as SO4	%	0.005	MCERTS	0.101	0.062	0.082	0.101	0.063
Sulphide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Elemental Sulphur	mg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Organic Matter	%	0.1	MCERTS	9.1	3.1	2.2	3.5	4.6
Total Phenols								
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs								
Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	1.9	< 0.05	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	0.43	< 0.05	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	4.0	< 0.05	< 0.05	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	3.5	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	2.4	< 0.05	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	2.0	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	2.9	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	1.8	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	2.9	< 0.05	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	1.6	< 0.05	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	0.42	< 0.05	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	1.5	< 0.05	< 0.05	< 0.05	< 0.05
Total PAH								





Lab Sample Number				1940673	1940674	1940675	1940676	1940677
Sample Reference				TP3	TPC	TP11	TP15	TP17
Sample Number				ES1	ES2	ES1	ES2	ES1
Depth (m)				0.05	0.40	0.50	0.30	0.20
Date Sampled				06/07/2021	09/07/2021	06/07/2021	07/07/2021	07/07/2021
Time Taken				None Supplied				
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status					
Heavy Metals / Metalloids	-							-
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	8.6	11	7.7	12	9.2
Barium (aqua regia extractable)	mg/kg	1	MCERTS	100	65	84	97	43
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	1.2	0.82	1.1	1.2	0.74
Boron (water soluble)	mg/kg	0.2	MCERTS	1.6	0.4	2.7	0.6	1.5
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.7	0.3	0.4	0.5	0.5
Chromium (hexavalent)	mg/kg	4	MCERTS	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	34	35	30	24	31
Copper (aqua regia extractable)	mg/kg	1	MCERTS	29	18	18	27	19
Lead (aqua regia extractable)	mg/kg	1	MCERTS	69	45	45	140	43
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	28	33	35	25	31
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	51	37	31	34	31
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	380	95	120	130	98
Petroleum Hydrocarbons TPH C10 - C40	mg/kg	10	MCERTS	51	< 10	< 10	< 10	12
TPH2 (C6 - C10)	mg/kg	0.1	MCERTS	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1

U/S = Unsuitable Sample I/S = Insufficient Sample





Lab Sample Number				1940678	1940679
Sample Reference	TP25	TP29			
Sample Number	ES1	ES1			
Depth (m)	0.20	0.10			
Date Sampled				08/07/2021	08/07/2021
Time Taken	None Supplied	None Supplied			
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status		
Stone Content	%	0.1	NONE	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	11	19
Total mass of sample received	kg	0.001	NONE	0.90	0.90
Asbestos in Soil	Туре	N/A	ISO 17025	Not-detected	Not-detected

General Inorganics

pH Units	N/A	MCERTS	5.2	6.3
mg/kg	1	MCERTS	1.8	< 1.0
mg/kg	5	NONE	< 5.0	< 5.0
%	0.005	MCERTS	0.456	0.063
mg/kg	1	MCERTS	< 1.0	12
mg/kg	5	MCERTS	< 5.0	< 5.0
%	0.1	MCERTS	4.5	4.2
	mg/kg mg/kg % mg/kg mg/kg	mg/kg 1 mg/kg 5 % 0.005 mg/kg 1 mg/kg 5	mg/kg 1 MCERTS mg/kg 5 NONE % 0.005 MCERTS mg/kg 1 MCERTS mg/kg 5 MCERTS	mg/kg 1 MCERTS 1.8 mg/kg 5 NONE < 5.0

Total Phenols

Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0

Speciated PAHs

Naphthalene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Acenaphthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	0.35	< 0.05
Pyrene	mg/kg	0.05	MCERTS	0.33	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05

TOLAT PAR					
Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	< 0.80	< 0.80





Lab Sample Number	1940678	1940679			
Sample Reference	TP25	TP29			
Sample Number	ES1	ES1			
Depth (m)				0.20	0.10
Date Sampled				08/07/2021	08/07/2021
Time Taken	None Supplied	None Supplied			
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status		
Heavy Metals / Metalloids					-
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	9.2	8.6
Barium (aqua regia extractable)	mg/kg	1	MCERTS	57	68
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	0.80	0.78
Boron (water soluble)	mg/kg	0.2	MCERTS	1.5	0.3
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.3	0.6
Chromium (hexavalent)	mg/kg	4	MCERTS	< 4.0	< 4.0
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	39	31
Copper (aqua regia extractable)	mg/kg	1	MCERTS	42	18
Lead (aqua regia extractable)	mg/kg	1	MCERTS	29	61
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	37	27
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	41	33
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	86	320
Petroleum Hydrocarbons					-
TPH C10 - C40	mg/kg	10	MCERTS	42	18

mg/kg

0.1

MCERTS

< 0.1

< 0.1

TPH2 (C6 - C10)

U/S = Unsuitable Sample I/S = Insufficient Sample





Analytical Report Number : 21-87398

Project / Site name: Aston Hall Barns Aston Munslow

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
1940673	TP3	ES1	0.05	Brown loam and clay with gravel and vegetation.
1940674	TPC	ES2	0.4	Brown clay and loam with gravel and vegetation.
1940675	TP11	ES1	0.5	Brown clay and loam with gravel and vegetation.
1940676	TP15	ES2	0.3	Brown loam and clay with gravel and vegetation.
1940677	TP17	ES1	0.2	Brown loam and clay with gravel and vegetation.
1940678	TP25	ES1	0.2	Brown loam and clay with gravel and vegetation.
1940679	TP29	ES1	0.1	Brown loam and clay with gravel and vegetation.





Analytical Report Number : 21-87398 Project / Site name: Aston Hall Barns Aston Munslow

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Metals in soil by ICP-OES	Determination of metals in soil by aqua-regia digestion followed by ICP-OES.	In-house method based on MEWAM 2006 Methods for the Determination of Metals in Soil.	L038-PL	D	MCERTS
Asbestos identification in soil	Asbestos Identification with the use of polarised light microscopy in conjunction with disperion staining techniques.	In house method based on HSG 248	A001-PL	D	ISO 17025
Boron, water soluble, in soil	Determination of water soluble boron in soil by hot water extract followed by ICP-OES.	In-house method based on Second Site Properties version 3	L038-PL	D	MCERTS
Hexavalent chromium in soil	Determination of hexavalent chromium in soil by extraction in water then by acidification, addition of 1,5 diphenylcarbazide followed by colorimetry.	In-house method	L080-PL	W	MCERTS
Elemental sulphur in soil	Determination of elemental sulphur in soil by extraction in acetonitrile followed by HPLC.	In-house method based on Secondsite Property Holdings Guidance for Assessing and Managing Potential	L021-PL	D	MCERTS
Moisture Content	Moisture content, determined gravimetrically. (30 oC)	In house method.	L019-UK/PL	W	NONE
Monohydric phenols in soil	Determination of phenols in soil by extraction with sodiun hydroxide followed by distillation followed by colorimetry.		L080-PL	W	MCERTS
Organic matter (Automated) in soil	Determination of organic matter in soil by oxidising with potassium dichromate followed by titration with iron (II) sulphate.	In house method.	L009-PL	D	MCERTS
Speciated EPA-16 PAHs in soil	Determination of PAH compounds in soil by extraction in dichloromethane and hexane followed by GC-MS with the use of surrogate and internal standards.		L064-PL	D	MCERTS
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement.	In house method.	L099-PL	D	MCERTS
Sulphide in soil	Determination of sulphide in soil by acidification and heating to liberate hydrogen sulphide, trapped in an alkaline solution then assayed by ion selective electrode.	In-house method	L010-PL	D	MCERTS
Thiocyanate in soil	Determination of thiocyanate in soil by extraction in wate followed by acidification followed by addition of ferric nitrate followed by discrete analyser (spectrophotometer).	In-house method	L082-PL	D	NONE
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight.	In-house method based on British Standard Methods and MCERTS requirements.	L019-UK/PL	D	NONE
TPH2 (Soil)	Determination of hydrocarbons C6-C10 by headspace GC- MS.	In-house method based on USEPA8260	L088-PL	w	MCERTS
Total cyanide in soil	Determination of total cyanide by distillation followed by colorimetry.	In-house method based on Examination of Water and Wastewater 20th Edition: Clesceri, Greenberg & Eaton (Skalar)	L080-PL	w	MCERTS
TPH Banding in Soil by FID	Determination of hexane extractable hydrocarbons in soil by GC-FID.	In-house method, TPH with carbon banding and silica gel split/cleanup.	L076-PL	w	MCERTS
Total Sulphate in soil as %	Determination of total sulphate in soil by extraction with 10% HCI followed by ICP-OES.	In house method.	L038-PL	D	MCERTS





Analytical Report Number : 21-87398 Project / Site name: Aston Hall Barns Aston Munslow

Water matrix abbreviations: Surface Water (SW) Potable Water (PW) Ground Water (GW)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
	Dependent option for Gravimetric Quant if Screen/ID positive scheduled.	In house asbestos methods A001 & A006.	A006-PL	D	NONE

For method numbers ending in 'UK' analysis have been carried out in our laboratory in the United Kingdom.

For method numbers ending in 'PL' analysis have been carried out in our laboratory in Poland. Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.



Analytical Report Number : 21-87398 Project / Site name: Aston Hall Barns Aston Munslow

Sample ID	Other ID	Sample Type	Lab Sample Number	Sample Deviation	Test Name	Test Ref	Test Deviation
TP11	ES1	S	1940675	с	Sulphide in soil	L010-PL	С
TP11	ES1	S	1940675	с	Total cyanide in soil	L080-PL	С
TP15	ES2	S	1940676	с	Sulphide in soil	L010-PL	с
TP15	ES2	S	1940676	с	Total cyanide in soil	L080-PL	с
TP17	ES1	S	1940677	с	Sulphide in soil	L010-PL	с
TP17	ES1	S	1940677	с	Total cyanide in soil	L080-PL	с
TP25	ES1	S	1940678	с	Sulphide in soil	L010-PL	с
TP25	ES1	S	1940678	с	Total cyanide in soil	L080-PL	с
TP29	ES1	S	1940679	с	Sulphide in soil	L010-PL	с
TP29	ES1	S	1940679	с	Total cyanide in soil	L080-PL	с
TP3	ES1	S	1940673	с	Sulphide in soil	L010-PL	с
TP3	ES1	S	1940673	с	Total cyanide in soil	L080-PL	с
TPC	ES2	S	1940674	с	Sulphide in soil	L010-PL	с
TPC	ES2	S	1940674	с	Total cyanide in soil	L080-PL	с

Analytical Report Number: 21-87398					ceedance		
Project / Site name: Aston Hall Barns Aston Munslow	r				ceedance		
Your Order No: 21035 1876					Exceedance		
Lab Sample Number				1940673	1940674	1940675	1940676
Sample Reference				TP3	TPC	TP11	TP15
Sample Number				ES1	ES2	ES1	ES2
Depth (m)				0.05	0.40	0.50	0.30
Date Sampled				06/07/2021	09/07/2021	06/07/2021	07/07/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accred itation Status				
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	16	16	18	17
Total mass of sample received	kg	0.001	NONE	0.90	1.1	1.1	1.0
Asbestos in Soil	Туре	N/A	ISO 17025	Not-detected	Not-detected	Not-detected	Not-detected
General Inorganics							
pH - Automated	pH Units	N/A	MCERTS	7.6	6.9	8.1	8.3
Total Cyanide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0
Thiocvanate as SCN	mg/kg	5	NONE	< 5.0	< 5.0	< 5.0	< 5.0
Total Sulphate as SO4	%	0.005	MCERTS	0.101	0.062	0.082	0.101
Sulphide	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0
Elemental Sulphur	mg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0	< 5.0
Organic Matter	%	0.1	MCERTS	9.1	3.1	2.2	3.5
Tatal Dhanala			• •				
Total Phenois	mg/kg	1	MCERTS	.1.0		. 1.0	. 1.0
Total Phenols (monohydric)	ilig/kg	1	PICERTS	< 1.0	< 1.0	< 1.0	< 1.0
Speciated PAHs		0.05	MCERTS	0.05	0.05	0.05	0.05
Naphthalene	mg/kg	0.05		< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Acenaphthene	mg/kg		MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	1.9	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	0.43	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS	4.0	< 0.05	< 0.05	< 0.05
Pyrene	mg/kg	0.05	MCERTS	3.5	< 0.05	< 0.05	< 0.05
Benzo(a)anthracene	mg/kg	0.05	MCERTS	2.4	< 0.05	< 0.05	< 0.05
Chrysene	mg/kg	0.05	MCERTS	2.0	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	2.9	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	1.8	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	2.9	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	1.6	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene Benzo(ghi)perylene	mg/kg mg/kg	0.05	MCERTS MCERTS	0.42 1.5	< 0.05 < 0.05	< 0.05 < 0.05	< 0.05 < 0.05

Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	25.4	< 0.80	< 0.80	< 0.80

Analytical Report Number: 21-87398	Analytical Report Number: 21-87398						
Project / Site name: Aston Hall Barns Aston	n Munslow			WRAS EX	ceedance		
Your Order No: 21035 1876				Phytotoxic			
Lab Sample Number				1940673	1940674	1940675	1940676
Sample Reference				TP3	TPC	TP11	TP15
Sample Number	ES1	ES2	ES1	ES2			
Depth (m)	0.05	0.40	0.50	0.30			
Date Sampled				06/07/2021	09/07/2021	06/07/2021	07/07/2021
Time Taken				None Supplied	None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status				
Heavy Metals / Metalloids							
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	8.6	11	7.7	12
Barium (aqua regia extractable)	mg/kg	1	MCERTS	100	65	84	97
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	1.2	0.82	1.1	1.2
Boron (water soluble)	mg/kg	0.2	MCERTS	1.6	0.4	2.7	0.6
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.7	0.3	0.4	0.5
Chromium (hexavalent)	mg/kg	4	MCERTS	< 4.0	< 4.0	< 4.0	< 4.0
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	34	35	30	24
Copper (aqua regia extractable)	mg/kg	1	MCERTS	29	18	18	27
Lead (aqua regia extractable)	mg/kg	1	MCERTS	69	45	45	140
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	28	33	35	25
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	51	37	31	34
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	380	95	120	130
Petroleum Hydrocarbons							
TPH C10 - C40	mg/kg	10	MCERTS	51	< 10	< 10	< 10

mg/kg

0.1

MCERTS

< 0.1

< 0.1

< 0.1

< 0.1

U/S = Unsuitable Sample I/S = Insufficient Sample

TPH2 (C6 - C10)

Analytical Report Number: 21-87398				GAC Exc		
Project / Site name: Aston Hall Barns Ast	ton Munslow			WRAS Ex		
Your Order No: 21035 1876				Phytotoxic	Exceedance	
Lab Sample Number				1940677	1940678	1940679
Sample Reference				TP17	TP25	TP29
Sample Number				ES1	ES1	ES1
Depth (m)				0.20	0.20	0.10
Date Sampled				07/07/2021	08/07/2021	08/07/2021
Time Taken				None Supplied	None Supplied	None Supplie
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status			
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	13	11	19
Total mass of sample received	kg	0.001	NONE	1.0	0.90	0.90
	•		-			
Asbestos in Soil	Туре	N/A	ISO 17025	Not-detected	Not-detected	Not-detected
			-			
General Inorganics pH - Automated	pH Units	N/A	MCERTS	6.6	5.2	6.3
Total Cyanide	mg/kg	1	MCERTS	< 1.0	1.8	< 1.0
Thiocyanate as SCN	mg/kg	5	NONE	< 5.0	< 5.0	< 5.0
Total Sulphate as SO4	%	0.005	MCERTS	0.063	0.456	0.063
Sulphide	mg/kg	1	MCERTS	< 1.0	< 1.0	12
Elemental Sulphur	mg/kg	5	MCERTS	< 5.0	< 5.0	< 5.0
Organic Matter	%	0.1	MCERTS	4.6	4.5	4.2
-					115	
Total Phenols	malka	1	MCERTS			
Total Phenols (monohydric)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
Creatisted DAMs						
Speciated PAHs	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Naphthalene		0.05	MCERTS		< 0.05	< 0.05
Acenaphthylene	mg/kg mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Acenaphthene		0.05	MCERTS	< 0.05	< 0.05	< 0.05
Fluorene	mg/kg			< 0.05	< 0.05	< 0.05
Phenanthrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Fluoranthene	mg/kg	0.05	MCERTS MCERTS	< 0.05	0.35	< 0.05
Pyrene	mg/kg	0.05	MCERTS	< 0.05	0.33	< 0.05
Benzo(a)anthracene	mg/kg	0.05		< 0.05	< 0.05	< 0.05
Chrysene	mg/kg		MCERTS	< 0.05	< 0.05	< 0.05
Benzo(b)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Benzo(k)fluoranthene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Benzo(a)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Indeno(1,2,3-cd)pyrene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Dibenz(a,h)anthracene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Benzo(ghi)perylene	mg/kg	0.05	MCERTS	< 0.05	< 0.05	< 0.05
Total PAH						
Speciated Total EDA 16 DAHe	ma/ka	0.8	MCERTS	< 0.90	< 0.90	< 0.90

Speciated Total EPA-16 PAHs	mg/kg	0.8	MCERTS	< 0.80	< 0.80	< 0.80

Analytical Report Number: 21-87398	GAC Exc	GAC Exceedance				
Project / Site name: Aston Hall Barns Astor	n Munslow			WRAS EX	ceedance	
Your Order No: 21035 1876				Phytotoxic Exceedance		
Lab Sample Number				1940677	1940678	1940679
Sample Reference	TP17	TP25	TP29			
Sample Number				ES1	ES1	ES1
Depth (m)				0.20	0.20	0.10
Date Sampled				07/07/2021	08/07/2021	08/07/2021
Time Taken				None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status			
Heavy Metals / Metalloids						-
Arsenic (aqua regia extractable)	mg/kg	1	MCERTS	9.2	9.2	8.6
Barium (aqua regia extractable)	mg/kg	1	MCERTS	43	57	68
Beryllium (aqua regia extractable)	mg/kg	0.06	MCERTS	0.74	0.80	0.78
Boron (water soluble)	mg/kg	0.2	MCERTS	1.5	1.5	0.3
Cadmium (aqua regia extractable)	mg/kg	0.2	MCERTS	0.5	0.3	0.6
Chromium (hexavalent)	mg/kg	4	MCERTS	< 4.0	< 4.0	< 4.0
Chromium (aqua regia extractable)	mg/kg	1	MCERTS	31	39	31
Copper (aqua regia extractable)	mg/kg	1	MCERTS	19	42	18
Lead (aqua regia extractable)	mg/kg	1	MCERTS	43	29	61
Mercury (aqua regia extractable)	mg/kg	0.3	MCERTS	< 0.3	< 0.3	< 0.3
Nickel (aqua regia extractable)	mg/kg	1	MCERTS	31	37	27
Selenium (aqua regia extractable)	mg/kg	1	MCERTS	< 1.0	< 1.0	< 1.0
Vanadium (aqua regia extractable)	mg/kg	1	MCERTS	31	41	33
Zinc (aqua regia extractable)	mg/kg	1	MCERTS	98	86	320
Petroleum Hydrocarbons						
TPH C10 - C40	mg/kg	10	MCERTS	12	42	18
	-		-	-		
TPH2 (C6 - C10)	mg/kg	0.1	MCERTS	< 0.1	< 0.1	< 0.1

. ,

U/S = Unsuitable Sample I/S = Insufficient Sample

Analytical Report Number: 21-88011	GAC Exceedance					
Project / Site name: Aston Hall Barns, Aston Munslow	v			WRAS Exceedance		
Your Order No: 21035-1877				Phytotoxic	Exceedance	
Lab Sample Number				1944677	1944678	1944679
Sample Reference				BH1	TP14	TP31
Sample Number				D3	D3	D1
Depth (m)				1.50	0.75	1.20
Date Sampled	06/07/2021	07/07/2021	08/07/2021			
Time Taken				None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status			
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	4.3	12	8.7
Total mass of sample received	kg	0.001	NONE	0.50	0.50	0.50

General Inorganics

	-					
pH - Automated	pH Units	N/A	MCERTS	8.5	6.9	7.6
Total Sulphate as SO4	%	0.005	MCERTS	0.019	0.069	0.067
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.013	0.18	0.18
Water Soluble SO4 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	13.1	175	182
Total Sulphur	%	0.005	MCERTS	0.009	0.028	0.025

U/S = Unsuitable Sample I/S = Insufficient Sample



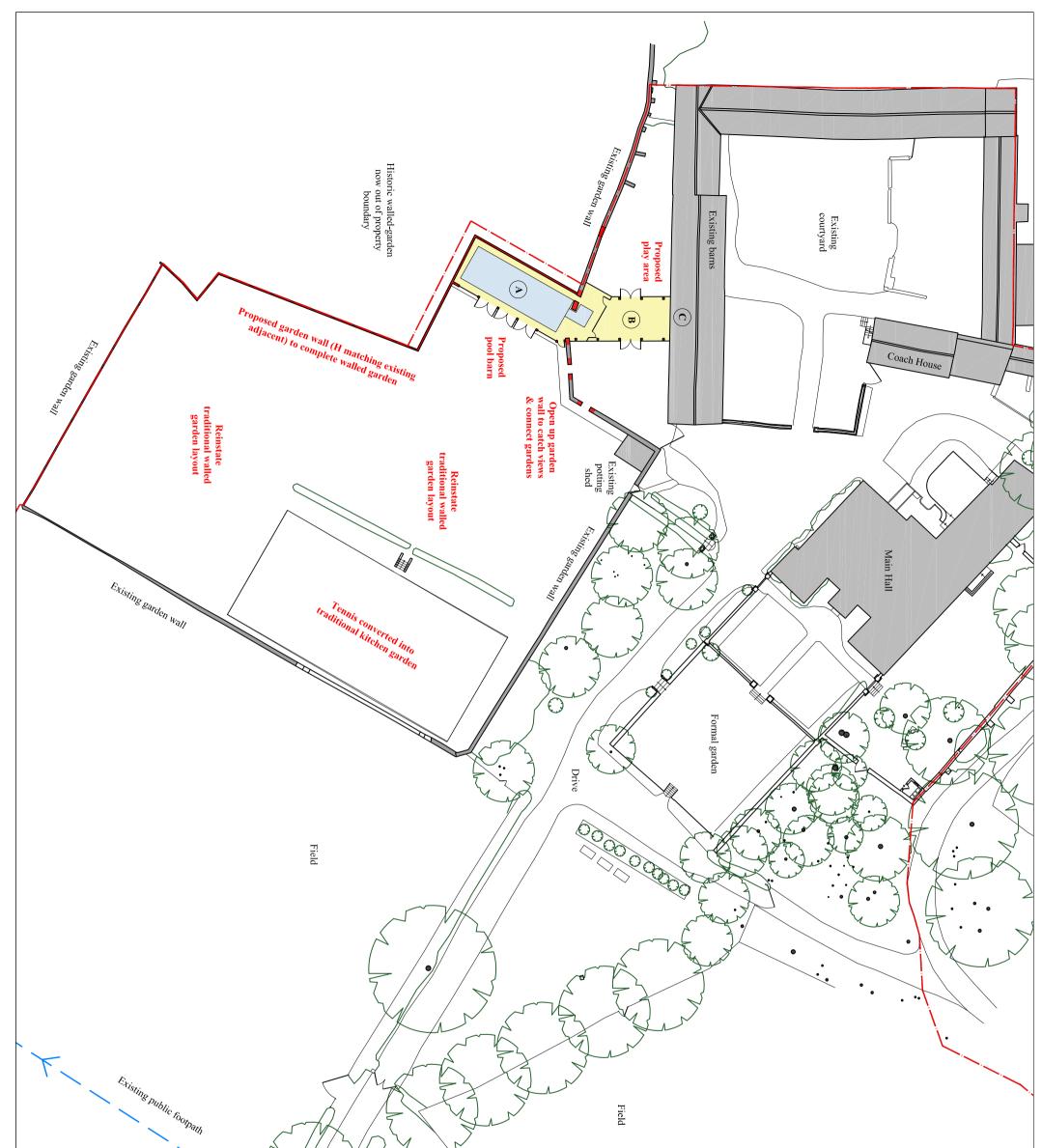
Appendix J

Proposed Redevelopment

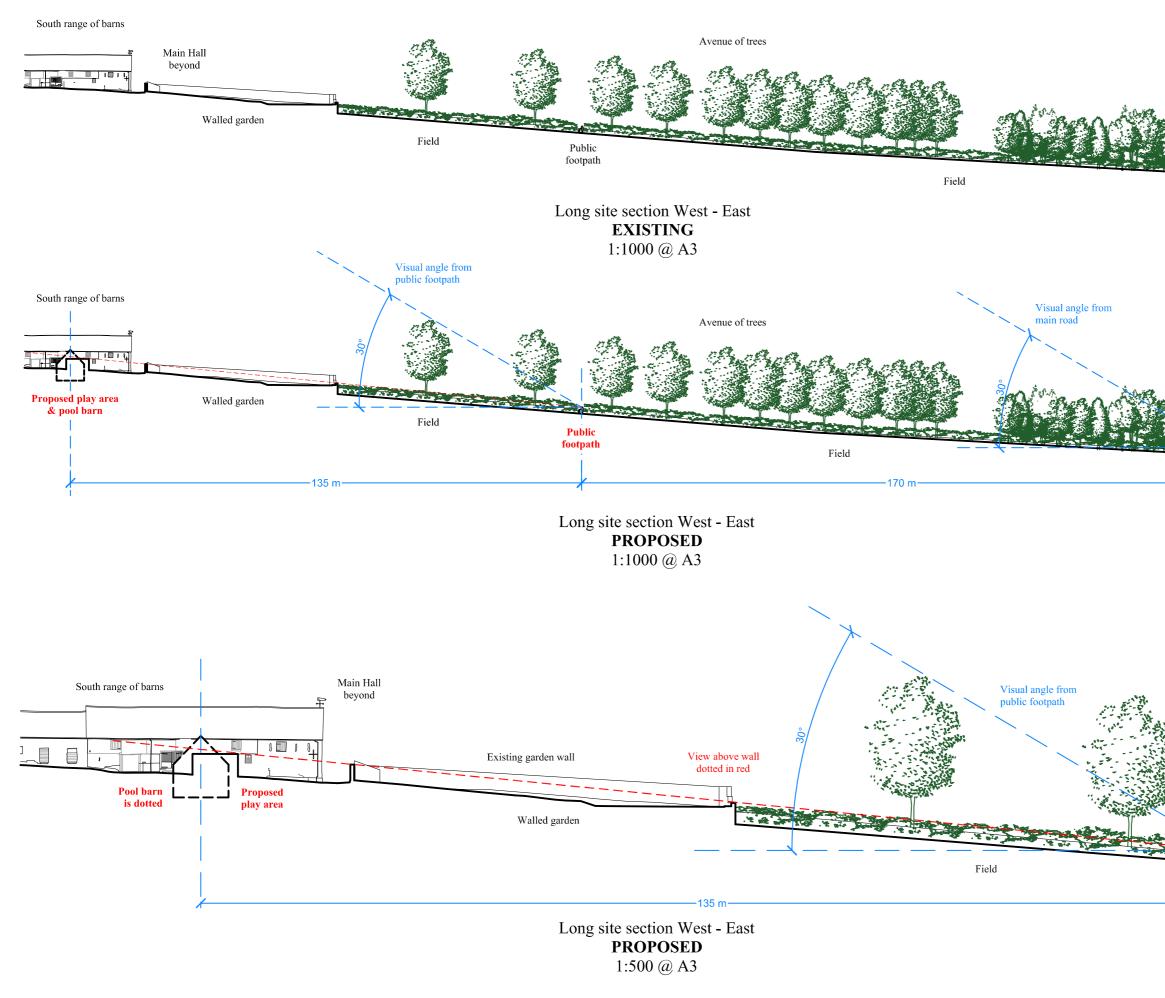
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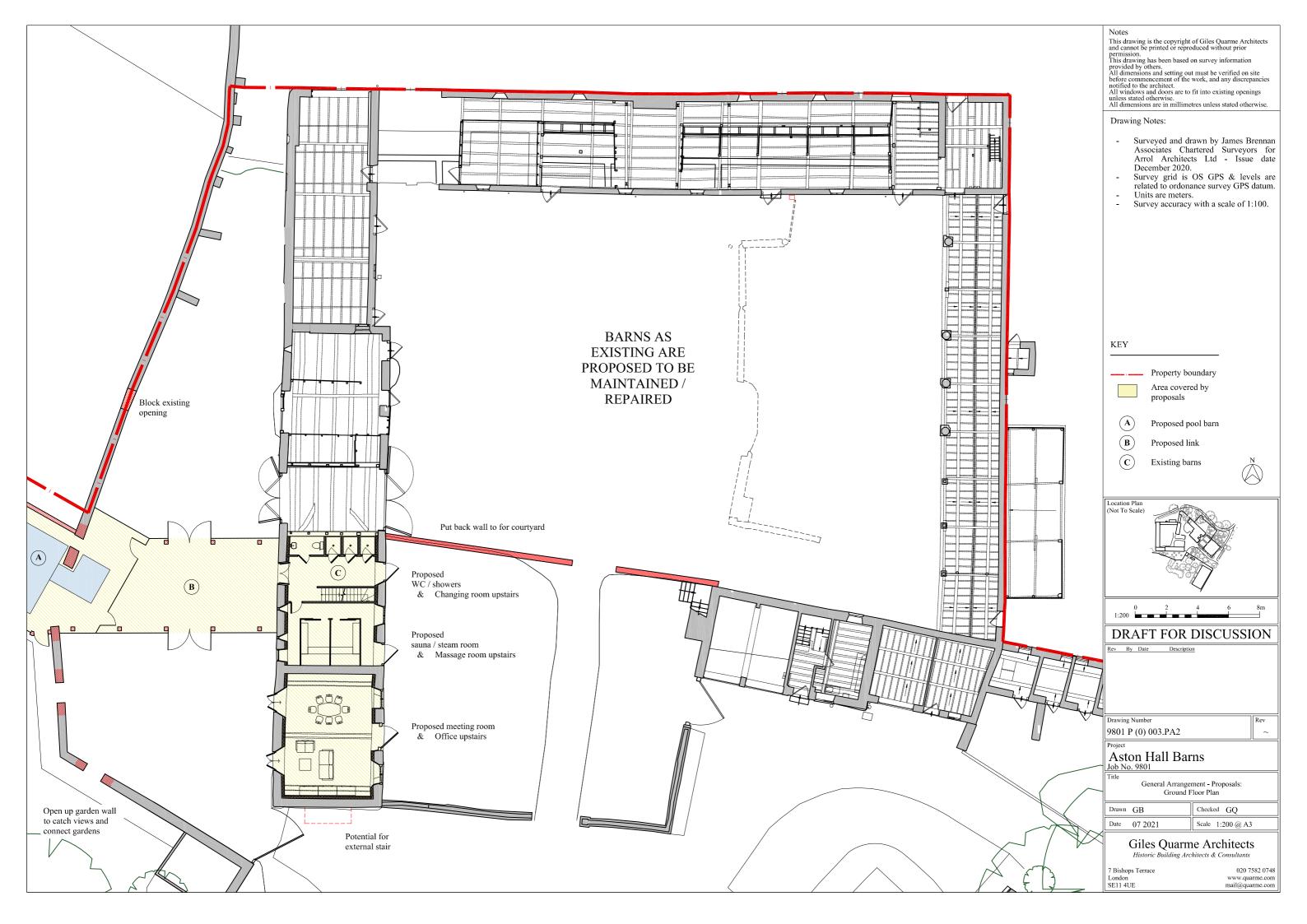
Registered Office: The Granary, Chewton Fields, Ston Easton, Somerset, BA3 4BX United Kingdom VAT Reg. No. 609 7402 37

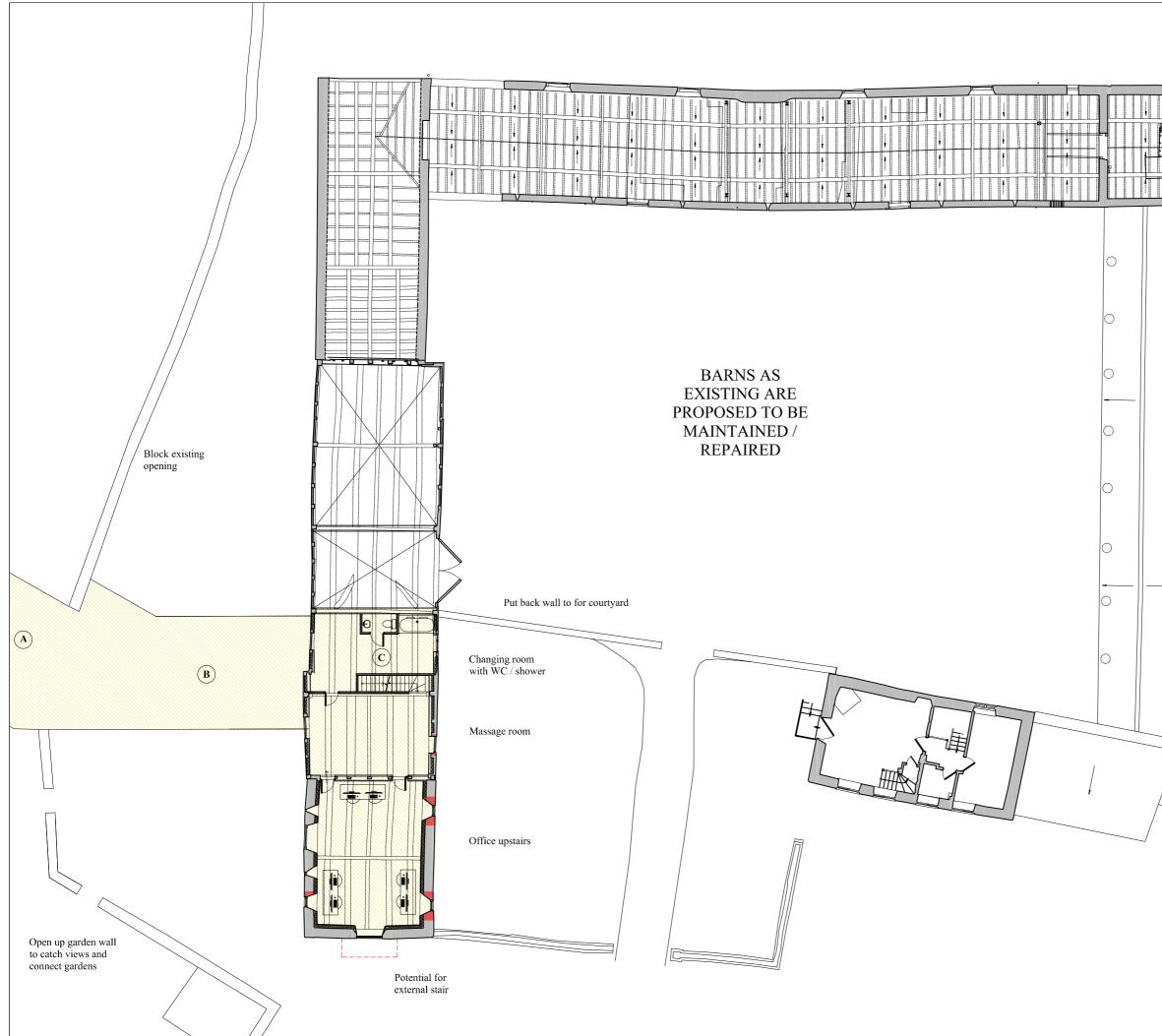


$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	KEY A Property boundary A Proposed pool barn B Proposed link C Existing barns	Notes This drawing is the copyright of Giles Quarme Architects and cannot be primed or reproduced without prior This drawing has been based on survey information provided by others. All dimensions and setting out must be verified on site before commencement of the work, and any discrepancies motified to the architect. All dimensions are in millimetres unless stated otherwise. All dimensions are in millimetres unless stated otherwise. Thrawing Notes: - Surveyed and drawn by James Brennan Associates Chartered Surveyors for Arrol Architects Ltd - Issue date December 2020. - Survey grid is OS GPS & levels are related to ordonance survey GPS datum. - Units are meters. - Survey accuracy with a scale of 1:100.

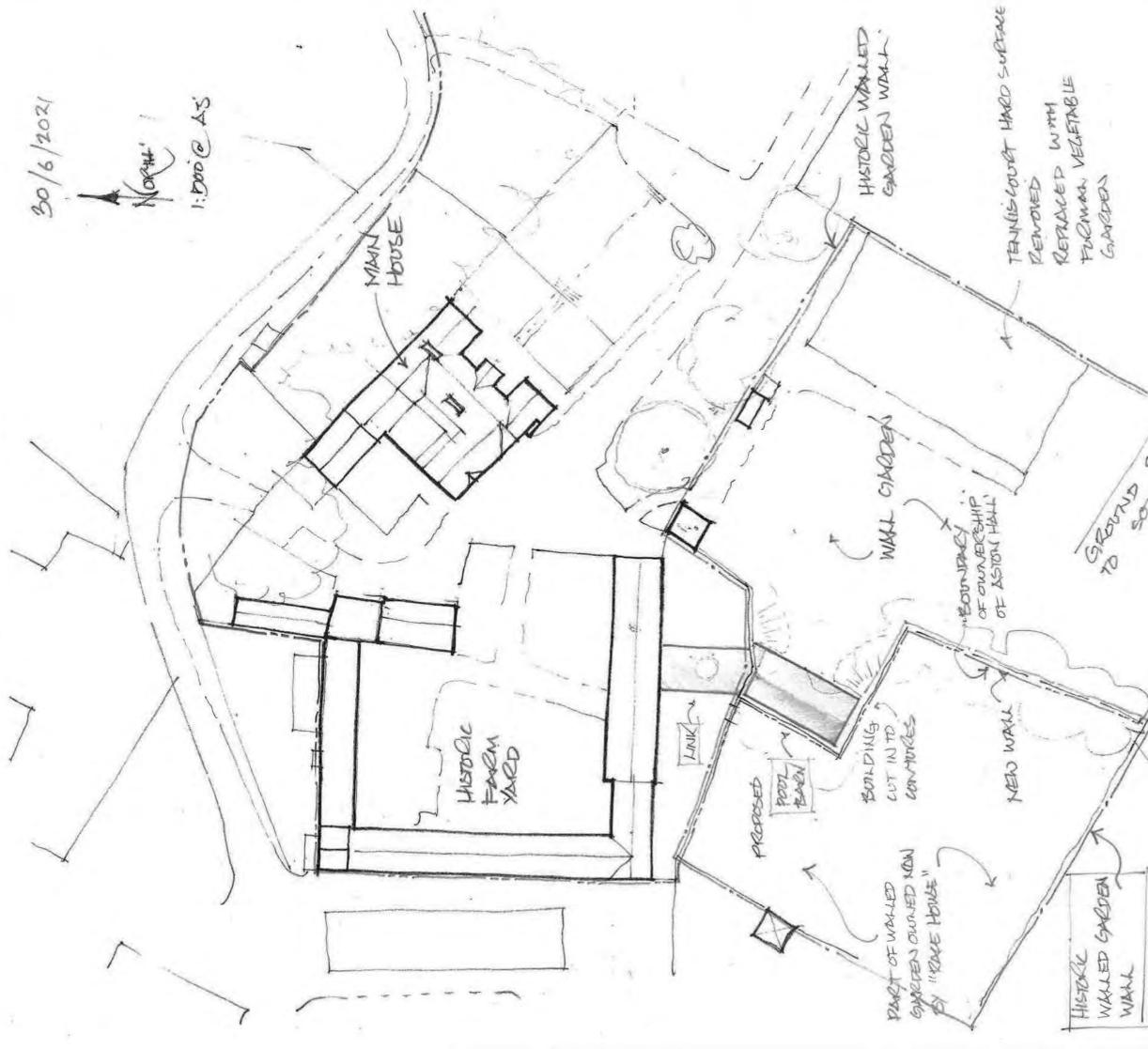


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B4368	Location Plan	Ň
	(Not To Scale) West	East
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	Rev By Date Descriptio	<u></u>
	Drawing Number 9801 P (0) 002.PA2	Rev ~
	Project Aston Hall Bar Job No. 9801	ns
Ļ		ment - Proposals: ections
Public	Drawn GB	Checked GQ
footpath	Date 07 2021	Scale 1:500/1000 @ A3
		hitects & Consultants
	7 Bishops Terrace London	020 7582 0748 www.quarme.com
	SE11 4UE	mail@quarme.com

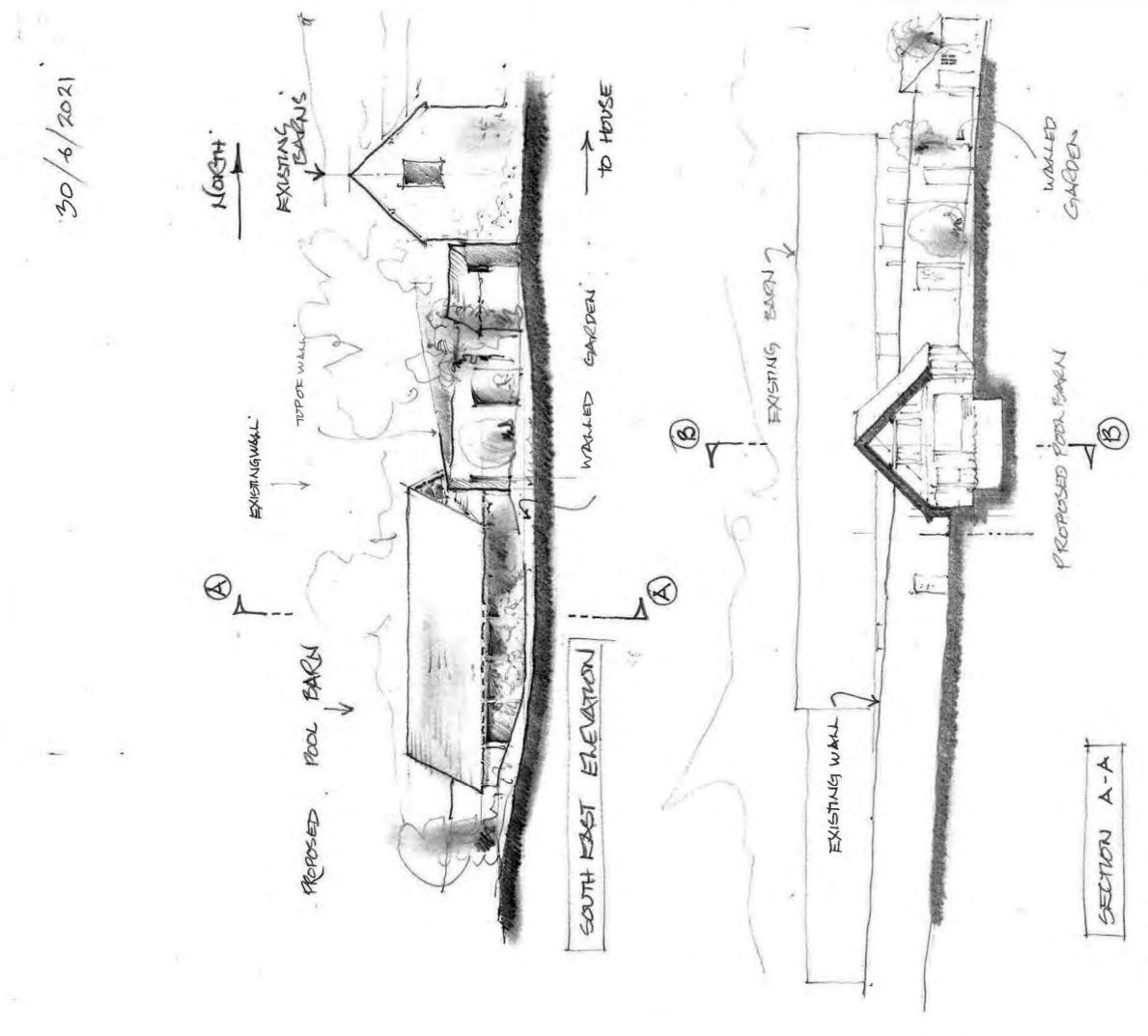




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 Survey grid is OS GPS & levels are related to ordonance survey GPS datum. Units are meters. Units are meters.
Survey accuracy with a scale of 1:100. KEY ____ Property boundary Area covered by proposals (\mathbf{A}) Proposed pool barn (\mathbf{B}) Proposed link (\mathbf{c}) Existing barns \bigcirc Location Plan (Not To Scale) 2 4 0 8m 1:200 DRAFT FOR DISCUSSION Rev By Date Description Drawing Number Rev 9801 P (0) 004.PA2 ~ Aston Hall Barns Title General Arrangement - Proposals: First Floor Plan Checked GQ Drawn GB Scale 1:200 @ A3 Date 07 2021 Giles Quarme Architects Historic Building Architects & Consultants 7 Bishops Terrace London SE11 4UE 020 7582 0748 www.quarme.com mail@quarme.com



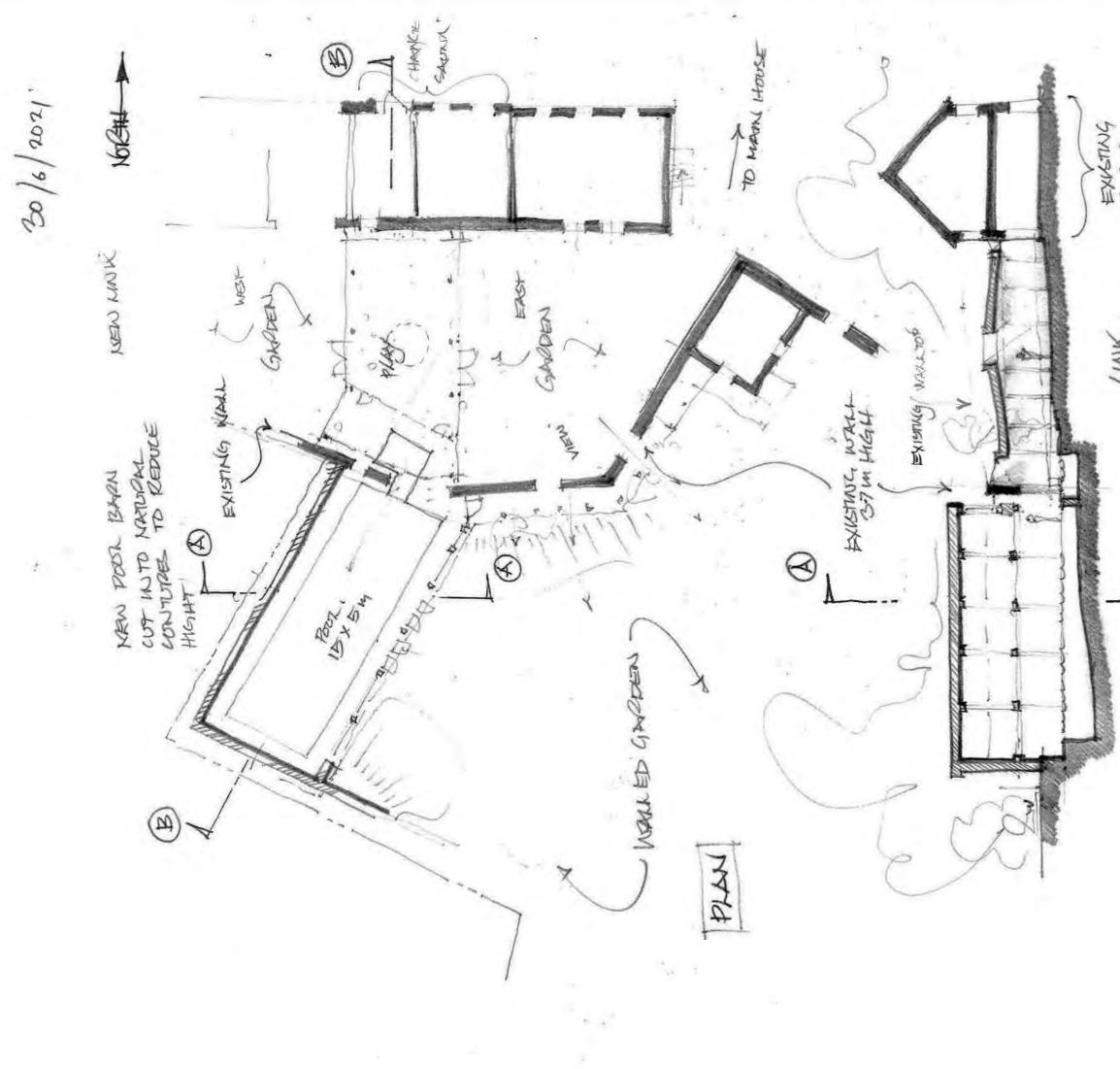
SK1-21-6-30 Action ASTON HA NEW POOL BARN PLAN GQA の 行 行 10810 201 Stopping - Colorest mos. PANTANA, PANA 1: 50 @ A3. 40 X 20 20 BAR 0. SIALE 0 WALL 5



54. 3-21-6-30 South RAST THEVATION PROPOSED PUR BARN 大 A-A ASTON CAETION 5 QA

1: 200 (a MOI ф. 5K 10. 0 2 4 Scale

1086 3105



SK2-21-6-30 TO HAN HOUSE EXISTING SECTION EX2N 上文上 1:200 PLAN NEW POOR YNY Aster KINK GQA 2 108/0 801 hor 12200 2431 toot 01 8 12 - B PROPOSED 9-SQUE BAR t SECTION 2 01