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Appendix 3a - Auger samples

Sample No	Altitude	Topsoil Depth	Texture	Colour	Stoniness	Mottles	Subsoil 1 Depth	Texture	Colour	Stoniness	Mottles	Structure	Subsoil 2 Depth	Texture	Colour	Stoniness	Mottles	Structure	Subsoil 3 Depth	Texture	Colour	Stoniness	Mottles	Structure	
1	108	0-35	SCL	10YR 3/3	5%		35-50	HCL	7.5YR 5/3	20%	CO	WMAB	50	IMP											
2	108	0-30	SCL	10YR 3/3	5%		30	IMP																	
3	107	0-40	SCL	10YR 3/3	5%		40-60	SL	7.5YR 3/3	20%		WMSAB	60-75	LS	7.5YR 4/6	20%		WFSAB	75	IMP					
4	106	0-35	SCL	10YR 3/3	5%		35	IMP																	
5	106	0-30	SCL	10YR 3/3	5%		30-50	SL	7.5YR 3/3	20%		WMSAB	50	IMP											
6	105	0-30	SCL	10YR 3/3	10%		30	IMP																	
7	105	0-35	SCL	10YR 3/3	5%		35	IMP																	

106.43

Appendix 3b – Trial Pit Descriptions – Levedale Rd, Penkridge (STAFFS)



Sample Point No. 6	
Horizon 1	0-30cm Dark brown (10YR 3/3) sandy clay loam topsoil with 10% stone content with a weak medium sub angular blocky structure
Horizon 2	Impenetrable beyond 30cm with auger and hand tools due to quantity and size of stones
Horizon 3	
Pictures	

Horizon 1



Horizon 2





ANALYTICAL REPORT

Report Number	21588-22	W250	AMET PROPERTY
Date Received	14-JUN-2022		HENWICK BARN
Date Reported	27-JUN-2022		BULWICK
Project	SOIL		CORBY
Reference	AMET PROPERTY		NORTHANTS
Order Number			NN17 3DU

Laboratory Reference		SOIL566732									
Sample Reference		PENK 7 TS									
Determinand	Unit	SOIL									
Coarse Sand 2.00-0.63mm	% w/w	2									
Medium Sand 0.63-0.212mm	% w/w	33									
Fine Sand 0.212-0.063mm	% w/w	18									
Silt 0.063-0.002mm	% w/w	25									
Clay <0.002mm	% w/w	22									
Stones >50mm	% w/w	0.0									
Stones 20-50mm	% w/w	0.0									
Stones 2-20mm	% w/w	3.3									
Organic Matter LOI	% w/w	3.0									
Neutralising Value as CaCO3 eq.	% w/w	2.4									
Neutralising Value as CaO eq.	% w/w	1.3									
Textural Class **		SCL									

Notes

Analysis Notes The sample submitted was of adequate size to complete all analysis requested.
 The results as reported relate only to the item(s) submitted for testing.
 The results are presented on a dry matter basis unless otherwise stipulated.

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ANALYTICAL NOTES

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Notes

Reported by

** Please see the attached document for the definition of textural classes.

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ADAS (UK) Textural Class Abbreviations

The texture classes are denoted by the following abbreviations:

Class	Code
Sand	S
Loamy sand	LS
Sandy loam	SL
Sandy Silt loam	SZL
Silt loam	ZL
Sandy clay loam	SCL
Clay loam	CL
Silt clay loam	ZCL
Clay	C
Silty clay	ZC
Sandy clay	SC

For the *sand*, *loamy sand*, *sandy loam* and *sandy silt loam* classes the predominant size of sand fraction may be indicated by the use of prefixes, thus:

vf	Very Fine (more than 2/3's of sand less than 0.106 mm)
f	Fine (more than 2/3's of sand less than 0.212 mm)
c	Coarse (more than 1/3 of sand greater than 0.6 mm)
m	Medium (less than 2/3's fine sand and less than 1/3 coarse sand).

The subdivisions of *clay loam* and *silty clay loam* classes according to clay content are indicated as follows:

M	medium (less than 27% clay)
H	heavy (27-35% clay)

Organic soils i.e. those with an organic matter greater than 10% will be preceded with a letter O.

Peaty soils i.e. those with an organic matter greater than 20% will be preceded with a letter P.

Appendix 4 - Wetness and Droughtiness Assessment

Sample No	Wetness Assessment			Wetness Class	Grade	Droughtiness Assessment		Grade	ALC Grade
	Depth to SPL	Gley	Reddish		According to Wetness	MB Wheat	MB Potato	According to Droughtiness	
1	35	<40	N	IV	3b	-17.55	6.74	3a	3b
2			N	I	1	-47.35	-23.02	3b	3b
3			N	I	1	5.77	30.1	2	2
4			N	I	1	-39.49	-15.16	3b	3b
5			N	I	1	-19.75	4.58	3b	3b
6			N	I	1	-47.35	-23.02	3b	3b
7			N	I	1	-39.49	-15.16	3b	3b

