

								Window Sample	Boreho	
H	ydr	ock		www	.hyd	rock.	com	willidow Sample	Sheet	
	t Name:							Co-ords: 549870E, 159041	Hole W	Type: /S
Locatio	on:						ject No: 161227	Ground Level: 211.32m OD	Sca 1::	
Client:		Armstr	ong (Ke	ent) LLP				Date(s): 29/06/16	Hole Dia	ameter:
MA/AII I	Vater trikes			Situ Testing	Depth (m)	Level (m OD)	Legend	Stratum Descripti	on	
-	tires	0.10	Type ES	Results	(111)	(III OD)		Pea gravel.		
		0.30	ES		0.15	211.17		Firm to stiff red brown mottled orang CLAY. Gravel of fine to coarse angular Occasional flint cobbles.		
		0.80	ES		0.70	210.62		Weak to moderately strong partly we occasional yellow staining CHALK. Clo		
								infilled with soft remoulded chalk an		
					2.00	209.32		End of Borehole at 2.0	0m	2.0 -
										4.0 -
Remark	s:	monitoring	g installa		o 2m. Gl	-0.5m pla	in pipe wit	e of contamination. 50mm HDPE h bentonite seal. 0.5m-2m slotted pipe	B = Bulk Sample D = Disturbed Sample U = Undisturbed Sample (Thin Wa ES = Environmental Sample (Thin Wa ES = Environmental Sample W = Water Sample	
									SPT = Standard Penetration Test AB = Asbestos Bulk Sample	
Ground	water:	None enco	untere	d					Logged: WL Ch	ecked: P:

ŀ	lyd	rock		www	.hyd	rock.c	com	Windo	w Sampler	Sheet 1 of	1
Proj	ect Name	: Fort H	alstead					Co-ords:	549796E, 159178N	Hole Type WS	:
Loca	ition:						ject No: .61227	Ground Level:	214.10m OD	Scale: 1:25	
Clie	nt:	Armstr	ong (Ke	nt) LLP		1		Date(s):	29/06/16	Hole Diamet	er:
Well	Water			Situ Testing	Depth	Level	Legend		Stratum Description	<u>'</u>	
	Strikes	Depth (m)	Туре	Results	(m)	(m OD)	8	Asphalt.			T
		0.25			0.10	214.00		Concrete.			-
		0.25	ES		0.25 0.30	213.85 213.80			black GRAVEL. Gravel ounded brick and cond] -
		0.60	ES		0.50	213.60		Firm light brown	n CLAY. mottled orange brown ine to coarse angular t	sandy gravelly flint	1.0 —
		4.00	ES		4.00	210.10		occasional yello	ately strong partly wea w staining CHALK. Clos remoulded chalk and	sely spaced fractures I fragments. (Grade	3.0
										ı	
Rema					lo visual	or olfactoı	ry evidenco	e of contamination		B = Bulk Sample J = Disturbed Sample U = Undisturbed Sample UT = Undisturbed Sample (Thin Wall) ES = Environmental Sample W = Water Sample PID = Photolonization Detector (ppm) SPT = Standard Penetration Test AB = Asbestos Bulk Sample	
Groui	ndwater:	None enco	untered	t						Logged: WL Checke	d: PS

Н	lyd	drock www.hydrock.com Window Sampler Borehole No. BH545 Sheet 1 of 1 Hole Type:											
Proj	ect Name	: Fort H	alstead					Co-ords:	549575E, 159066N				
Loca	ntion:						ject No: 161227	Ground Level:	216.94m OD			Scale: 1:25	
Clie	nt:	Armstı	rong (Ke	ent) LLP				Date(s):	24/06/16		Hole	Diamete 10mm	er:
Well	Water		_	Situ Testing	Depth	Level	Legend		Stratum Description	on			
	Strikes	Depth (m)	Туре	Results	(m)	(m OD)		Grass over dark	brown clayey TOPSOII	-•			
													-
					0.40	216.54		Stiff red brown	mottled orange brown	sandy gra	velly f	lint	-
		0.50	ES						fine to coarse angular				-
								Occasional mine	cobbics.				-
													1.0 —
													1.0
													-
		1.50	ES										- -
													-
													-
													2.0 —
													-
													-
													_
													-
													-
													3.0 —
													-
													-
													_
													-
													-
													4.0 —
					4.20	212.74			ately strong partly wea				-
							occasional yellow staining CHALK. Closely spaced fractures infilled with soft remoulded chalk and fragments. (Grade					-	
								IV)					-
													-
					5.00	211.94							5.0 —
									End of Borehole at 5.00	T			
Rema	D = losturbee Sample U = Undisturbee Sample UT = Undisturbee Sample (Thin Wall) ES = Environmental Sample W = Water Sample PID = Photoionization Detector (ppm) SPT = Standard Penetration Test AB = Asbestos Bulk Sample							or (ppm) est					
Groui	ndwater:	None enco	untere	d						Logged:	WL	Checked	: PS

									Borehole N	No.
Hvd	rock		www	v.hyd	rock.	com	Windo	w Sampler	r BH540	6
ilya	IOCK			on you		00111			Sheet 1 of	
Project Name	e: Fort H	alstead					Co-ords:	549583E, 159025N	WS	:
Location:						ject No: 161227	Ground Level:	216.74m OD	Scale: 1:25	
Client:	Armst	rong (Ke	ent) LLP				Date(s):	24/06/16	Hole Diame	
Vell Water	Sample	and In S	Situ Testing	Depth	Level	Legend		Stratum Docarintia	1	
Strikes	Depth (m)	Туре	Results	(m)	(m OD)	Legend	C	Stratum Description		
	0.20	ES						to firm brown clayey g coarse angular to sub otlets.		
					216.34			mottled orange brown ine to coarse angular cobbles.		2.0
	3.20	ES		3.10	213.64		Very soft fully w	eathered structureles	s CHALK. (Grade VI)	3.0
				4.00	212.74			End of Borehole at 4.00	Dm	4.0
										5.0
emarks:	Groundwa	ter not	encountered.	No visual	or olfacto	ry evidenc	e of contamination		B = Bulk Sample D = Disturbed Sample U = Undisturbed Sample UT = Undisturbed Sample (Thin Wall) ES = Environmental Sample W = Water Sample PID = Photoionization Detector (ppm) SPT = Standard Penetration Test AB = Asbestos Bulk Sample	
roundwater:	None enco	ountere	<u></u>						Logged: WL Checke	ed:

										Borehole N	lo.
Н	lvd	rock		WWW	ı.hvd	rock.	com	Window Samp	oler	BH547	7
										Sheet 1 of Hole Type	
Proje	ect Name	e: Fort H	alstead					Co-ords: 549547E, 158	3974N	WS	•
Locat	tion:						ject No: 161227	Ground Level: 215.50m OD		Scale: 1:25	
Clien	t:	Armsti	rong (Ke	ent) LLP				Date(s): 24/06/16		Hole Diamet	ter:
Well	Water			Situ Testing	Depth	Level	Legend	Stratum Des	cription	I	
	Strikes	Depth (m)	Туре	Results	(m)	(m OD)		Grass over soft to firm brown cla		TOPSOIL	
		0.20	ES		0.20	245 20		Gravel of fine to coarse angular concrete and rootlets.			
					0.30	215.20		Tightly packed light brown slight of fine to coarse angular to sub			
		0.50	ES					of fine to coarse angular to sub-	Tourided IIII	ι.	
					0.80	214.70		Stiff red brown mottled orange I			
		1.00	ES					CLAY. Gravel of fine to coarse an Occasional flint cobbles.	guiar to sub	rounded filmt.	1.0 -
											2.0
											3.0
					3.80	211.70		Very soft fully weathered struct	ureless CHAI	K (Grade VI)	-
		3.90	ES					very soft fully weathered structi	ureless CriAL	ik. (Grade VI)	4.0
											1.0
							 				
					5.00	210.50		End of Borehole	at 5.00m		5.0
Remai	rks:	Groundwa	ter not	encountered	No visual	or olfacto	ry evidence	e of contamination.	B = Bulk Sa		
			1100			S.idelle	, 2.766110		U = Undist UT = Undis ES = Enviro W = Water PID = Phot SPT = Stan	bed Sample turbed Sample sturbed Sample (Thin Wall) ponmental Sample r Sample toionization Detector (ppm) dard Penetration Test stos Bulk Sample	
roun	dwater:	None enco	untere	d					Logg	ed: WL Checke	d: PS

										Borehole N	lo.
Н۱	vd	rock		wwv	v.hyd	rock.	com	Windo	w Samplei		
Project			alstead					Co-ords:	549644E, 159084N	Sheet 1 of Hole Type	
		: FUIL II	aisteau			Pro	ject No:			WS Scale:	
Locatio	on:						161227	Ground Level:	217.54m OD	1:25 Hole Diame	tor.
Client:		Armst	rong (Ke	ent) LLP				Date(s):	24/06/16	110mm	
Vall I	Water trikes	Sample Depth (m)	and In S	Situ Testing Results	Depth (m)	Level (m OD)	Legend		Stratum Description	on	
+		Deptii (iii)	Туре	Results	····,	(02)		Grass over dark	brown clayey TOPSOI	L.	
		0.30	ES		0.30	217.24			relly CLAY. Gravel of fir		
					0.60	216.94		to sub rounded	orick concrete and fiir	ιτ.	
					0.00	210.54			mottled orange brown ine to coarse angular		
		0.80	ES					Occasional flint			
											1.0
											2.
											3.
											3.
					3.40	214.14					
		3.50	ES				 		ately strong partly wea w staining CHALK. Clos		
								infilled with soft	remoulded chalk and		
							 	IV)			
					4.00	213.54					4.
					4.00	213.54			End of Borehole at 4.00)m	4.
											5.
emark	s:	Groundwa	iter not	encountered.	No visual	or olfacto	ry evidenc	e of contamination.		B = Bulk Sample D = Disturbed Sample	
										U = Undisturbed Sample UT = Undisturbed Sample (Thin Wall) ES = Environmental Sample	
										W = Water Sample PID = Photoionization Detector (ppm) SPT = Standard Penetration Test	
I		Ne · · ·		J						AB = Asbestos Bulk Sample	ed:
ound	water:	None enco	ountere	ı						Logged: WL Checke	:a:

	lyd ect Name	rock		www	.hydr	ock.	com	Windo	549677E, 159098N	Borehole N BH549 Sheet 1 of Hole Type WS	9
Loca	tion:						oject No: 161227	Ground Level:	217.00m OD	Scale: 1:25	
Clier	nt:	Armstr	ong (Ke	nt) LLP			101227	Date(s):	28/06/16	Hole Diame	
Well	Water	Sample	and In S	itu Testing	Depth	Level	Legend		Stratum Description	<u> </u>	
	Strikes	Depth (m)	Туре	Results	(m)	(m OD)	8	Grass over dark	brown clayey TOPSOIL.		
		0.20-0.30	ES ES		0.50	216.50		Loosely packed of fine to coars ash and flint. O Stiff red brown	brown black slightly cla e angular to sub rounde ccasional cobbles of cor mottled orange brown s fine to coarse angular to	yey GRAVEL. Gravel d concrete brick ncrete. sandy gravelly flint	2.0 -
					5.00	212.00			End of Borehole at 5.00m	n	5.0
Rema	rks:	monitoring	g installa		o 4m. GL-	1m plain		e of contaminatior bentonite seal. 1m	1-4m slotted pipe with	B = Bulk Sample D = Disturbed Sample U = Undisturbed Sample UT = Undisturbed Sample (Thin Wall) ES = Environmental Sample W = Water Sample ID = Photosionization Detector (ppm) SPT = Standard Penetration Test AB = Asbestos Bulk Sample	

										Boreho	ole No.
Н	lvd	rock		wwv	v.hyd	rock.	com	Windo	ow Sample		550
										Sheet . Hole	
Proj	ect Name	: Fort Ha	alstead			Due	in at Nin.	Co-ords:	549785E, 159136N	, M	/S
Loca	tion:						ject No: 161227	Ground Level:	215.43m OD	Sca 1:2	25
Clier	nt:	Armstr	rong (Ke	ent) LLP				Date(s):	29/06/16	Hole Dia	
Vell	Water		and In	Situ Testing	Depth	Level	Legend		Stratum Description	•	
-	Strikes	Depth (m)	Туре	Results	(m)	(m OD)		Grass over brov	vn clayey TOPSOIL.		
		0.20	ES					0.000 0.00	, . ,		
		0.50			0.40	215.03		Stiff red brown	mottled orange browr	n slightly sandy	
		0.50	ES		0.60	214.83		gravelly flint CLA rounded flint.	AY. Gravel of fine to co	arse angular to sub	'
					0.80	214.63		Stiff light brown	slightly sandy gravell		of
					0.00	214.05			ngular to sub rounded mottled orange browr		
		1.00	ES						fine to coarse angular		
								Occasional min	cobbles.		
											2.
											2.0
											3.
					4.00	211.43			End of Borehole at 4.00	0m	4.
											5.
ema	rks:	monitoring	g install		to 4m. GL	-1m plain		e of contamination bentonite seal. 1m	. 50mm HDPE -4m slotted pipe with	B = Bulk Sample D = Disturbed Sample U = Undisturbed Sample UT = Undisturbed Sample (Thin Wa E5 = Environmental Sample W = Water Sample PID = Photoionization Detector (pp SPT = Standard Penetration Test A8 = Asbestos Bulk Sample	
our	dwater:	None enco	untere	d						Logged: WL Ch	ecked:

	lyd ect Name	rock	alstead	www	.hyd	rock.c	com	Windo	ow Sampler 549785E, 158954N	Sheet 1 of	L
		· FOIL D	aisteau			Pro	ject No:			WS Scale:	
Loca	ition:						.61227	Ground Level:	208.86m OD	1:25 Hole Diame	tor:
Clie	nt:		rong (Ke					Date(s):	06/07/16	110mm	
Well	Water Strikes	Sample Depth (m)		Results	Depth (m)	Level (m OD)	Legend		Stratum Description	on	
		0.30 0.50	ES ES		0.05 0.20 0.40	208.81 208.66 208.46		coarse angular t	ck gravelly sandy CLAY. o sub rounded brick a mottled orange brown	nd concrete. sandy gravelly CLAY.	
		1.50	ES		4.00	204.86		Gravel of fine to	End of Borehole at 4.00		1.0 —
Rema		monitoring gravel surr	g installa ound. G	ation installed to	o 4m. Gl	-1m plain		e of contamination bentonite seal. 1m	. 50mm HDPE -4m slotted pipe with	B = Bulk Sample D = Disturbed Sample U = Undisturbed Sample UT = Undisturbed Sample (Thin Wall) ES = Environmental Sample W = Water Sample PID = Photoionization Detector (ppm) SFI = Standard Penetration Test AB = Asbestos Bulk Sample	
Groui	ndwater:	None enco	untere	d .						Logged: WL Checke	PS HYD-BH-V1.1

ŀ	lyd	rock		www	.hyd	rock.	com	Windo	w Sampler	Borehole N BH552 Sheet 1 of	2
Proj	ect Name	: Fort H	alstead					Co-ords:	549815E, 158970N	Hole Type WS	e:
Loca	ition:						ject No: 161227	Ground Level:	208.89m OD	Scale: 1:25	
Clie	nt:	Armstı	ong (Ke	nt) LLP				Date(s):	06/07/16	Hole Diame	
Well	Water Strikes			Situ Testing	Depth (m)	Level (m OD)	Legend		Stratum Description	on	
	Juikes	Depth (m)	Туре	Results	0.04	208.85		Asphalt.			<u> </u>
		0.20	ES		0.10	208.79		Concrete. Sub base gravel.			1 -
					0.40	208.49		Stiff orange brow	vn gravelly CLAY. Grave	el of fine to coarse	-
		0.50	ES		0.60	208.29		angular to sub ro	ounded brick and flint		
		0.80	ES		0.80	208.09		angular to sub ro			
		0.80	L3		0.80	208.03		Tightly packed ye	ellow brown slightly cl	layey coarse SAND.	_
											1.0 —
											_
											_
		1.50	ES								_
											-
											-
											2.0 —
											-
											-
											-
											-
											3.0 —
											3.0 —
											-
											_
											_
											_
											4.0
											-
											-
											_
											-
											_
									Continued on Next Shee	ot	5.0
Rema					lo visual	or olfacto	ry evidenc	e of contamination.		B = Bulk Sample D = Disturbed Sample U = Undisturbed Sample U = Undisturbed Sample (Thin Wall) ES = Environmental Sample W = Water Sample PID = Photoionization Detector (ppm) SFT = Standard Penetration Test AB = Asbestos Bulk Sample	
Groui	ndwater:	None enco	untered	1						Logged: WL Checke	ed: PS

H	lyd	rock		www	.hydı	rock.	com	Windo	ow Sampler	Borehole BH55 Sheet 2 0	2
Proj	ect Name	: Fort H	alstead					Co-ords:	549815E, 158970N	Hole Tvi	
Loca	tion:						ject No: 161227	Ground Level:	208.89m OD	Scale : 1:25	
Clie	nt:	Armstr	ong (Ke	nt) LLP				Date(s):	06/07/16	Hole Diam	
Well	Water Strikes			Situ Testing	Depth (m)	Level (m OD)	Legend		Stratum Description	<u> </u>	
		Depth (m)	Type	Results	6.00	202.89			End of Borehole at 6.00	im .	7.0 —
Rema		Groundwa			ı lo visual (or olfacto	ry evidenc	e of contamination		B = Bulk Sample D = Disturbed Sample U = Undisturbed Sample UT = Undisturbed Sample (Thin Wall) ES = Environmental Sample W = Water Sample PID = Photoionization Detector (ppm) SPT = Standard Penetration Test AB = Asbestos Bulk Sample Logged: WL Checl	ced: ps

										Borehole	No.
Н	lvd	rock		www	.hvd	rock.c	com	Windo	w Sampler	r BH55	3
	i y G	OCK		00 00 00	· · · · y · · ·					Sheet 1 c	of 1
Proj	ect Name	: Fort H	alstead					Co-ords:	549835E, 158983N	Hole Typ)e:
Loca	ition:						ject No: 161227	Ground Level:	209.12m OD	Scale: 1:25	
	_			.)5		C	101227		0.0/07/4.0	Hole Diam	eter:
Clie	nt:			ent) LLP				Date(s):	06/07/16	110mn	n
Well	Water Strikes	Sample Depth (m)		Situ Testing Results	Depth (m)	Level (m OD)	Legend		Stratum Description	on	
	Junes	Depth (m)	Туре	Results	0.03	209.09	***********	Asphalt.			7
					0.15	208.97		Concrete.			
					0.50	200.52		Gravel of fine to	brown grey sandy sligl coarse angular to sub equent whole bricks.		-
					0.50	208.62			mottled orange brown		7 -
					0.70	208.42			coarse angular to sub ately strong partly wea		_
							 	occasional yello	w staining CHALK. Clos	sely spaced fractures	-
								infilled with soft IV)	remoulded chalk and	I fragments. (Grade	1.0
								10)			-
											-
											-
											-
											_
							 				-
											2.0 —
											-
											-
							<u> </u>				-
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											30
											3.0 —
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							' ' ' ' ' ' ' '				
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											-
							 				-
											-
											4.0 —
											-
											_
											-
							 				
											-
					5.00	204.12			End of Borehole at 5.00)m	5.0 —
Rema		monitoring gravel surr	g install ound. (ation installed to	o 5m. GL	-1m plain		e of contamination bentonite seal. 1m	. 50mm HDPE -5m slotted pipe with	B = Bulk Sample D = Disturbed Sample U = Undisturbed Sample UT = Undisturbed Sample (Till = Undisturbed Sample (Thin Wall) ES = Environmental Sample W = Water Sample PID = Photoionization Detector (ppm) SPT = Standard Penetration Test AB = Asbestos Bulk Sample	
Groun	ndwater:	None enco	untere	d						Logged: WL Check	ced: PS

									Borehole	No.
Hvd	rock		www	v.hvd	rock.	com	Windo	w Sampler	r BH55	4
									Sheet 1 c	
Project Nam	e: Fort H	alstead					Co-ords:	549739E, 159204N	WS	
Location:						ject No: 161227	Ground Level:	215.26m OD	Scale: 1:25	
Client:	Armst	rong (Ke	nt) LLP		·		Date(s):	28/06/16	Hole Diam 110mm	
Water			itu Testing	Depth	Level	Legend		Stratum Description	•	
Strikes	Depth (m)	Туре	Results	(m)	(m OD)	zegenu	Grass over dark	brown clayey TOPSOII		1
	0.40	ES		0.20	215.06		Loosely packed of fine to coarse	grey brown sandy clay angular to sub round ional cobbles of concr	vey GRAVEL. Gravel led brick and	
				0.60	214.66		Stiff red brown i	mottled orange brown	n sandy gravelly flint	2.0
				3.00	212.26			End of Borehole at 3.00	Om .	3.0
emarks:	Groundwa	ountered		No visual	or olfacto	ry evidenc	e of contamination		B = Bulk Sample D = Disturbed Sample U = Undisturbed Sample (Thin Wall) ES = Environmental Sample W = Water Sample PID = Photoionization Detector (ppm) SFT = Standard Penetration Test AB = Asbestos Bulk Sample	5.0

ŀ	lyd	rock		www	ı.hyd	rock.c	com	Windo	ow Sampler	•	В	ehole No H556 eet 1 of 1	
Proj	ect Name	: Fort H	alstead					Co-ords:	549658E, 158978N			le Type: WS	
Loca	ition:						ject No: 61227	Ground Level:	215.16m OD			Scale: 1:25	
Clie	nt:	Armstı	ong (Ke	ent) LLP				Date(s):	29/06/16			Diamete .10mm	er:
Well	Water Strikes	Sample Depth (m)		Situ Testing Results	Depth (m)	Level (m OD)	Legend		Stratum Description	on			
		0.10	ES	Nesuits	(,	(/		Grass over brow	n clayey TOPSOIL.				
					0.20	214.96			n clayey TOPSOIL. Grav		to coa	rse	-
		0.40	ES					angular to sub r	ounded brick and flint	•			-
													-
					0.80	214.36		Soft to firm light	t brown CLAY.				-
		1.00	ES					J					1.0 —
													-
							 						-
													-
													-
													-
		2.00	ES										2.0 —
													-
													-
													-
													-
													3.0 —
													-
													-
													-
													-
													-
													4.0 —
													-
													-
							- <u>-</u>						-
													-
					5.00	210.16	- <u>-</u>		End of Borehole at 5.00	m			5.0 —
Rema	rks.	Groundwa	ter not	encountered M	lo visual	or olfacto	ry evidono	e of contamination		B = Bulk Sample			
nema	ii NO.	Groundwa	cei IIUl	encounterea. P	vo visudí	or onacto	y evideric	c or contamination	•	D = Disturbed Sar U = Undisturbed Sur = Undisturbed Sur = Environment W = Water Sampl PID = Photoloniza SPT = Standard Pe AB = Asbestos Bu	Sample Sample (Th al Sample e tion Detect metration T	or (ppm)	
Groui	ndwater:	None enco	untere	d						Logged:	т т	Checked	: PS

									Borehole N	lo.
Н١	vd	rock		wwv	v.hyd	rock.	com	Window Sampler	вн557	7
									Sheet 1 of Hole Type	
Project	t Name	: Fort H	alstead					Co-ords: 549707E, 158943N	WS	
Locatio	on:						oject No: 161227	Ground Level: 211.78m OD	Scale: 1:25	
Client:		Armsti	rong (Ke	ent) LLP				Date(s): 28/06/16	Hole Diame 110mm	ter:
Mall I	Vater			Situ Testing	Depth	Level	Legend	Stratum Description	on	
Si	trikes	Depth (m)	Туре	Results	(m)	(m OD)		Grass over dark brown clayey TOPSOII		T
								, , , , , , , , , , , , , , , , , , , ,		
		0.50	ES		0.40	211.38		Firm light brown gravelly CLAY. Gravel angular flint.	of fine to coarse	
		0.80	ES		0.70	211.08		Stiff red brown mottled orange brown CLAY. Gravel of fine to coarse angular Occasional flint cobbles.		2.0
		3.20	ES		3.10	208.68		Weak to moderately strong partly weak occasional yellow staining CHALK. Closinfilled with soft remoulded chalk and IV)	sely spaced fractures	
					4.00	207.78		End of Borehole at 4.00)m	4.0
										5.0
emark	s:	Groundwa	ter not	encountered.	No visual	or olfacto	ory evidenc	e of contamination.	B = Bulk Sample D = Disturbed Sample U = Undisturbed Sample (Thin Wall) ES = Environmental Sample W = Water Sample PID = Photolonization Detector (ppm) SPT = Standard Penetration Test AB = Asbetso Sulk Sample	
round	water:	None enco	untere	d					Logged: RP Checke	d:

-	lvd	rock		www	hvd	rock o	om	Windo	w Sampler	Borehole N	
_	iyu	IOCK		VV VV VV	illyul	OCK.C	.0111		•	Sheet 1 of	
Proj	ect Name	: Fort Ha	alstead					Co-ords:	549620E, 158910N	Hole Type WS	:
Loca	ition:						ject No: 61227	Ground Level:	211.34m OD	Scale: 1:25	
Clie	nt:	Armstr	ong (Ke	nt) LLP		(1	01227	Date(s):	24/06/16	Hole Diamet	ter:
Well	Water			Situ Testing	Depth	Level	Legend		Stratum Descriptio		
	Strikes	Depth (m)	Туре	Results	(m)	(m OD)	8	Grass over dark	brown clayey TOPSOIL		
								Cruss over durk	stown clayey for soil	•	_
					0.40	210.94					-
		0.50	ES		0.40	210.94			nottled orange brown ine to coarse angular t		
								Occasional flint		o sab rodinaca iline.	_
											_
											1.0 —
											_
											_
		1.50	ES								_
											-
					1.80	209.54		Weak to modera	itely strong partly wea	thered white with	
								occasional yello	w staining CHALK. Clos	ely spaced fractures	2.0 —
								infilled with soft IV)	remoulded chalk and	fragments. (Grade	-
							, '	•			_
							<u> </u>				=
											_
											_
											_
					3.00	208.34			End of Borehole at 3.00r	m	3.0 —
											-
											_
											_
											_
											_
											4.0
											_
											_
											-
											_
											-
											5.0 —
Rema	ırks:	Groundwa	ter not	encountered. N	lo visual	or olfactor	y evidenc	e of contamination.		B = Bulk Sample D = Disturbed Sample	
							•			U = Undisturbed Sample UT = Undisturbed Sample (Thin Wall) ES = Environmental Sample	
										W = Water Sample PID = Photoionization Detector (ppm) SPT = Standard Penetration Test	
Groui	ndwater:	None enco	untered	1						AB = Asbestos Bulk Sample Logged: WL Checke	d: PS

H	lyd	rock		www	.hyd	rock.c	com	Windo	w Sampler	Sheet 1 of 1	}
Proj	ect Name	: Fort H	alstead					Co-ords:	549673E, 159176N	Hole Type: WS	:
Loca	tion:						ject No: 61227	Ground Level:	215.57m OD	Scale: 1:25	
Clier	nt:	Armstı	ong (Ke	nt) LLP				Date(s):	28/06/16	Hole Diamet	er:
Well	Water			Situ Testing	Depth	Level	Legend		Stratum Descriptio	1	
	Strikes	Depth (m)	Туре	Results	(m)	(m OD)		Grass over dark	brown clayey TOPSOIL		
		0.30	ES		0.20	215.37			ark brown sandy claye ngular to sub rounded		- - - - -
		0.90	ES		0.80	214.77		Firm light browr angular flint.	gravelly CLAY. Gravel	of fine to coarse	1.0 —
					4.80	214.27		CLAY. Gravel of f Occasional flint	mottled orange brown ine to coarse angular to cobbles.	to sub rounded flint.	2.0 —
Rema	ırks:	Groundwa	ter not	encountered. N	5.00 No visual	210.57 or olfactor	ry evidenc	e of contamination.	End of Borehole at 5.00	B = Bulk Sample D = Disturbed Sample U = Undisturbed Sample UT = Undisturbed Sample (Thin Wall) ES = Environmental Sample	5.0 —
Grour	ndwater:	None enco	ountere	1						W = Water Sample PID = Photoionization Detector (ppm) SPT = Standard Penetration Test AB = Asbestos Bulk Sample Logged: WL Checket	d: PS

Цуус	lrack		34/34/34	, bydi	rock r	20100	Windo	ow Sampler	Borehole N WS601	
пус	drock	•	VVVV	/.hydi	OCK.	JOITI			Sheet 1 of	1
roject Nar	ne: Fort Ha	lstead					Co-ords:	549739E, 159097N	Hole Type WS	::
ocation:	Fort Ha	ılstead, k	Kent			ject No: 10730-C	Ground Level:	216.68m OD	Scale: 1:25	
lient:	Mersey	/side Per	nsion Fund				Date(s):	21/11/18	Hole Diamet	ter:
ell Wate		and In S Type	itu Testing Results	Depth (m)	Level (m OD)	Legend		Stratum Description		
				0.30	216.38		coarse angular rootlets. (MAD Soft to firm bro	wn slightly sandy gravelly ar sub-rounded flint and	I flint with some	
				0.80	215.88		occasionally fri	ttled red brown slightly sa able. Gravel of fine to coa ccasional dark brown mo	irse angular sub-	1
				2.00	214.83 214.68		cobbles. Clasts occasional blac brown and bro D). (LEWES NO CHALK FORMA UNDIFFERENTI		sity with e mottled orange ets (CIRIA GRADE DN, SEAFORD K FORMATION -	2
				2.60	214.08		Clasts are very Matrix is white NODULAR CHA FORMARTION, UNDIFFERENTI, Moderately we orange CHALK. NODULAR CHA FORMARTION, UNDIFFERENTI, CHALK getti	ak to medium density, wh 5cm fractures (CIRIA GRA LK FORMATION, SEAFORE NEWHAVEN CHALK FORN	ellow staining. DE D). (LEWES D CHALK MATION - nite stained ADE C5). (LEWES D CHALK MATION -	4
1.:				5.00	211.68			End of Borehole at 5.00m		5
marks:	No visual o	 r olfacto	ry evidence o	f contamir	nation.			D - U - UT ES W PIC SP!	Bulk Sample Disturbed Sample Undisturbed Sample = Undisturbed Sample (Thin Wall) = Environmental Sample = Water Sample = Water Sample = Photoionization Detector (ppm) = Standard Penetration Test = Asbestos Bulk Sample	
oundwate	er: Not encour	ntered							- Asbestos Bulk Sample ogged: AL Checke	d:

		F					_	Borehole N	0.
Hvd	rock		www	.hyd	rock.d	com	Window Sampler	WS602	
i y G	OCI			7				Sheet 1 of	
oject Name:	: Fort Ha	Istead					Co-ords: 549703E, 159129N	Hole Type WS	:
cation:	Fort Ha	ılstead,	Kent			ject No:	Ground Level: 216.60m OD	Scale:	
ient:	Mersey	rside Pe	nsion Fund		C-1	.0730-C	Date(s): 21/11/18	1:25 Hole Diamet	er:
Water			Situ Testing	Depth	Level		21/11/10		—
Strikes	Depth (m)		Results	(m)	(m OD)	Legend	Stratum Description		
							Grass over soft brown sandy gravelly CLA roots and rootlets. Gravel fine to coarse		
				0.30	216.30		rounded flint and brick. (MADE GROUNE		
				0.50	210.50		Firm brown mottled orange brown sandy Gravel fine to coarse angular to sub-roun		
							roots and rootlets to 0.5m. (CLAY WITH		
•				1.10	215.50		Fine Leave 199	II. CLAY C	1
							Firm brown mottled orange brown grave fine to coarse sub-rounded flint with cha	•	
							FLINTS)	•	
				1.50	215.10		Structureless CHALK composed of silty sa	andy gravel and	-
						<u> </u>	cobbles. Clasts are weak to medium dens		
						<u> </u>	occasional black speckles. Matrix is white	-	
						<u> </u>	brown and brown with occasional rootle D). (LEWES NODULAR CHALK FORMATIO		
						<u> </u>	CHALK FORMARTION, NEWHAVEN CHAL		2
							UNDIFFERENTIATED)		
•						 			
						 			
				2.65	213.95		Moderately weak to medium density, wh		
						<u> </u>	orange CHALK. 5cm fractures (CIRIA GRA NODULAR CHALK FORMATION, SEAFORD		
							FORMARTION, NEWHAVEN CHALK FORM		3
							UNDIFFERENTIATED)		
				3.50	213.10	 	Structureless CHALK composed of silty gr	ravel of chalk.	1
							Clasts are white very weak low density a orange brown/light orange with some fli		
							GRADE D). (LEWES NODULAR CHALK FO		
						<u> </u>	SEAFORD CHALK FORMARTION, NEWHAY	/EN CHALK	4
						<u> </u>	FORMATION - UNDIFFERENTIATED)		
				4.20	212.40		White weak medium density CHALK with	occasional light	1
							orange staining. Fractures <5cm infilled v	vith white silt	
•							chalk (CIRIA GRADE C5). (LEWES NODUL FORMATION, SEAFORD CHALK FORMART		
							CHALK FORMATION - UNDIFFERENTIATED		
				5.00	211.60	' ' '	End of Borehole at 5.00m		5
narks:	No visual o	r olfacto	ory evidence o	<u> </u>	nation.			Bulk Sample Disturbed Sample	
							U = UT: ES = W = PID	Undisturbed Sample = Undisturbed Sample (Thin Wall) : Environmental Sample Water Sample = Photoionization Detector (ppm) = Standard Penetration Test	
	NI. t						AB	- Asbestos Bulk Sample	d:
oundwater:	Not encour	itered					L	ogged: RP Checke	d: HYD-E

Н	ydro	ock	www	v.hyd	rock.c	com	Han	d Dug Pit	Trial Pit No	
	t Name:	Fort Halste	ad				Dimensions:	0.30m x 0.30m	Sheet 1 of 1	
Locatio						ject No: 61227	Co-ords: Ground Level:	549726E, 158928N 209.52m OD	1:10	
Client:		Armstrong	(Kent) LLP				Date(s):	27/06/16	Plant Used Hand dug	
Water		mple and In S		Depth	Level	Legend		Stratum Descriptio	n	
Strikes	Depth (n	n) Type	Results	(m)	(m OD)		Grass over brow	n clayey TOPSOIL.		
				0.20	209.32			mottled orange brown ine to coarse angular t		_
	0.40	ES		0.50	209.02			End of Trial Pit at 0.50m	1	_
										- -
										1.0
										-
										2.0 —
Remark Stability	y: S	ackfilled with	arisings.	of contam	ination. Gr	roundwate	r not encountered.	Excavation	B = Bulk Sample D = Disturbed Sample ES = Environmental Sample W = Water Sample PID = Photolonization Detector (ppm) CBR = In Situ California Bearing Ratio (%) HSV = Hand Shear Vane (kPa) HP = Hand Penetrometer (kPa) AB = Asbestos Bulk Sample	
Ground	water N	lone encounte	ared						Logged: WL Checked	4. ps

Hy	ydr	00	ck	WW	w.hyd	rock.	com	Han	d Dug Pit	Trial Pit HP5(02
Project	Name:	F	ort Hals	tead				Dimensions:	0.30m x 0.30m	Hole Ty	
Locatio	on:						eject No: 161227	Co-ords: Ground Level:	549603E, 158928N 213.43m OD	Scale 1:10)
Client:		А	rmstror	ng (Kent) LLP				Date(s):	27/06/16	Plant Us Hand d	
Water Strikes				Situ Testing	Depth (m)	Level (m OD)	Legend		Stratum Description	on	
Julies	Depth (m)	Туре	Results	(111)	(III OD)		Grass over brow	n clayey TOPSOIL.		-
	0.40		ES		0.20	213.23			mottled orange brown ine to coarse angular t		-
					0.50	212.93			End of Trial Pit at 0.50r	m	1.0 —
Remark	<i>/</i> :	backf Stable	illed wit	h arisings.	e of contam	ination. G	roundwate	er not encountered	. Excavation	B = Bulk Sample D = Disturbed Sample ES = Environmental Sample W = Water Sample PID = Photoionization Detector (ppm) CRR = In Situ California Bearing Ratio (% HSV = Hand Shear Vane (kPa) HP = Hand Penetrometer (kPa) AB = Asbestos Bulk Sample Logged: WL Chec	

									Trial Pit No	o:
Н	vdr	ock	ww	w.hyd	rock.	com	T	rial Pit	TP551	_
_									Sheet 1 of Hole Type	
Project	Name:	Fort Hals	stead		Due	in at Nin.	Dimensions: Co-ords:	0.60m x 3.00m	TP	
Locatio	on:					ject No: 161227	Ground Level:	549608E, 159130N 215.63m OD	1:25	
Client:		Armstro	ng (Kent) LLP				Date(s):	19/07/16	Plant Used JCB 3CX	
Vater			Situ Testing	Depth	Level	Legend		Stratum Description	on	
trikes	Depth (ı	m) Type	Results	(m)	(m OD)		Loosely packed	brown grey sandy grav		
	0.50 0.50 1.50 1.50	B ES		1.10	214.53		Stiff red brown CLAY. Gravel of	mottled orange brown fine to coarse angular obble sized flint.	n sandy gravelly flint	2.0
				3.10	212.53			End of Trial Pit at 3.10r	m	3.0
										4.0
emark	ŀ	backfilled wi		of contam	ination. G	roundwate	er not encountered	. Excavation	B = Bulk Sample D = Disturbed Sample ES = Environmental Sample W = Water Sample PID = Photolonization Detector (ppm) CBR = In Situ California Bearing Ratio (%) HSV = Hand Shear Vane (kPa)	5.0
tability		Stable None encou	ntered						AB = Asbestos Bulk Sample Logged: WL Checke	d: I

				•						Trial Pit N	0:
Н	ydr	' O	ck ⁼	WW	w.hyd	rock.	com	Ti	rial Pit	TP556	5
										Sheet 1 of Hole Type	
Project	Name:		Fort Hals	tead ———————				Dimensions:	0.60m x 3.00m	TP	
Locatio	n:						ject No: 161227	Co-ords: Ground Level:	549718E, 158837N 197.53m OD	Scale: 1:25	
Client:		,	Armstror	ng (Kent) LLP				Date(s):	14/07/16	Plant Use JCB 3CX	
Water	S	Samp	le and In	Situ Testing	Depth	Level	Legend		Stratum Description	<u> </u>	
Strikes	Depth	(m)	Туре	Results	(m)	(m OD)		Grass over brow	n clayey gravelly TOP:		
	0.20		ES					to coarse angula		33.2. 3. 3. 3. 3. 3.	
	0.40		ES		0.30	197.23		Weak to moder	ately strong partly we	athered white with	-
	0.40 0.50		ES B						w staining CHALK. Clo t remoulded chalk and		
								IV)	remodiaca chaik and	a riagments. (Grade	
											1.0 -
					1.50	196.03			End of Trial Dit at 4.50] .
									End of Trial Pit at 1.50	m	
											2.0 -
											2.0
											3.0 -
											4.0 -
											5.0 -
										Talaua	
lemark		back	rfilled wit	olfactory evidence th arisings.	of contam	ination. G	roundwate	er not encountered	. Excavation	B = Bulk Sample D = Disturbed Sample ES = Environmental Sample W = Water Sample IPID = Photolonization Detector (ppm) CBR = In Situ California Bearing Ratio (%) HSV = Hand Shear Vane (kPa) HP = Hand Penetrometer (kPa)	
Stability		Stab		ntered						AB = Asbestos Bulk Sample	e d: PS
	vater:		ile e encour	itered.						AB = Asbestos Bulk Sample Logged: RP Checke	d:

			 \(\begin{array}{c} \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\						Trial Pit No	o:
Η	vdr	ock	WW	w.hyd	rock.	com	T	rial Pit	TP557	,
									Sheet 1 of Hole Type	
Project	t Name:	Fort F	alstead				Dimensions:	0.60m x 3.00m	TP	•
Locatio	on:					ject No: 161227	Co-ords: Ground Level:	549776E, 158875N 199.39m OD	Scale: 1:25	
Client:		Armst	rong (Kent) LLP		·		Date(s):	14/07/16	Plant Used JCB 3CX	
Water	S	ample and	In Situ Testing	Depth	Level	Legend		Stratum Description	<u>'</u>	
trikes	Depth (m) Typ	e Results	(m)	(m OD)	Legend	Grass over brow	n clayey gravelly TOPS		
	0.10	D D		0.20	199.19		to coarse angula Weak to moder occasional yello		athered white with sely spaced fractures	1.0 -
	1.00	D		1.50	197.89			End of Trial Pit at 1.50	m	1.0 -
										2.0 -
										3.0 -
										4.0 -
										5.0 -
Remark			or olfactory evidend with arisings.	e of contam	l ination. G	roundwate	r not encountered	. Excavation	B = Bulk Sample D = Disturbed Sample ES = Environmental Sample W = Water Sample PID = Photoionization Detector (ppm) CBR = in Situ California Bearing Ratio (%) HSV = Hand Shear Vane (RPa) HP = Hand Penetrometer (RPa) AB = Abdestos Bulk Sample	
round		None enc	ountered.						Logged: RP Checke	d: P

										Trial Pit No	0:
Н	ydr	' O'	ck ⁼	WW	w.hyd	rock.	com	Т	rial Pit	TP558	3
										Sheet 1 of Hole Type	
Project	t Name:		Fort Hals	tead 				Dimensions:	0.60m x 3.00m	TP	
Locatio	on:						ject No: 161227	Co-ords: Ground Level:	549831E, 158913N 199.71m OD	Scale: 1:25	
Client:			Armstror	ng (Kent) LLP				Date(s):	14/07/16	Plant Used JCB 3CX	
Water				Situ Testing	Depth	Level	Legend		Stratum Description		
Strikes	Depth	(m)	Туре	Results	(m)	(m OD)		Grass over brow	vn clayey gravelly TOP:		
	0.20		ES					to coarse angul		SOLE: Graver or line	
					0.30	199.41			ately strong partly we		-
	0.50 0.50		B ES						w staining CHALK. Clo t remoulded chalk and		-
	0.50 E5				IV)		3 - 1 (- 1 - 1				
											1.0 -
					1.40	198.31			End of Trial Pit at 1.40	m	1.
											2.0 -
											3.0 -
											3.0 -
											4.0 -
											5.0 -
temark		back	filled wit	olfactory evidence h arisings.	of contam	l ination. G	l roundwate	er not encountered	. Excavation	B = Bulk Sample D = Disturbed Sample ES = Environmental Sample W = Water Sample PID = Photoionization Detector (ppm) CBR = In Situ California Bearing Ratio (%) HSV = Hand Shear Vane (kPa) H= Hand Penetrometer (kPa)	
tability	/: water:	Stab	le e encour	ntered						AB = Asbestos Bulk Sample Logged: RP Checke	e d: PS

				•						Trial Pit N	o:	
Η	ydr	<u> </u>	ck ⁼	WV	vw.hyd	rock.	com	Ti	rial Pit	TP559	9	
	<u> </u>									Sheet 1 of Hole Type		
Project	Name:		Fort Hals	tead 				Dimensions:	0.60m x 3.00m	TP		
Locatio	n:						oject No: 161227	Co-ords: Ground Level:	549901E, 158956N 200.09m OD	Scale: 1:25		
Client:			Armstror	ng (Kent) LLP				Date(s):	14/07/16	Plant Use JCB 3CX		
Water				Situ Testing	Depth	Level	Legend	Stratum Description				
Strikes	Depth	(m)	Туре	Results	(m)	(m OD)		Grass over brow	n clayey gravelly TOPS		<u> </u>	
	0.20 0.20		D ES		0.10	199.99		\ to coarse angula	ar flint. velly CLAY. Gravel of fir		1	
	0.40		ES	ES	0.35	199.74		Weak to moderately strong partly weathered white with occasional yellow staining CHALK. Closely spaced fractures infilled with soft remoulded chalk and fragments. (Grade IV)				
	1.40		ES		1.40	198.69			End of Trial Pit at 1.40	m	-	
											2.0 -	
											3.0 -	
											4.0	
											5.0	
Remark			rfilled wit	olfactory eviden h arisings.	ce of contam	ination. G	iroundwate	r not encountered	. Excavation	B = Bulk Sample D = Disturbed Sample ES = Environmental Sample W = Water Sample PID = Photoionization Detector (ppm) CBR = In Situ California Bearing Ratio (%) HSV = Hand Shear Vane (kPa) HP = Hand Penetrometer (kPa) AB = Asbestos Bulk Sample	1	
round			e encour	ntered.						Logged: RP Checke	ed: P	

			•						Trial Pit No):
Н	vdr	ock	ww	w.hyd	rock.	com	Ti	rial Pit	TP560)
'''	yar	OCK				00111			Sheet 1 of	
Project	Name:	Fort Hals	tead				Dimensions:	0.60m x 3.00m	Hole Type	•
Locatio	n:					oject No: 161227	Co-ords: Ground Level:	549535E, 159085N 217.36m OD	Scale: 1:25	
Client:		Armstror	ng (Kent) LLP				Date(s):	14/07/16	Plant Used JCB 3CX	l:
Nater	Sa	mple and In	Situ Testing	Depth	Level	Legend		Stratum Description	<u>'</u>	
trikes	Depth (n	n) Type	Results	(m)	(m OD)		Grass over dark	brown slightly sandy a		1
	0.20	ES		0.30	217.06		Gravel of fine to concrete brick.	coarse angular to sub	rounded flint	
	0.50 0.50	D ES		0.30	217.06		gravelly flint CLA	mottled orange brown AY. Gravel of fine to co th frequent cobble siz	arse angular to sub	
	1.50	D								1.0 -
	2.50	D		2.50	214.86			End of Trial Pit at 2.50	m	2.0
								End of Thai Pit at 2.500		
										3.0
										4.0
										5.0
emark	b	No visual or opackfilled wit		of contam	ination. G	Groundwate	r not encountered	. Excavation	B = Bulk Sample D = Disturbed Sample ES = Environmental Sample W = Water Sample PID = Photoionization Detector (ppm) CRR = In Situ California Bearing Ratio (%) HSV = Hand Shear Vane (kPa) HP = Hand Penetrometer (kPa) AB = Asbestos Bulk Sample	•
		None encour	ntered.						Logged: WL Checke	d:

stater Sample and in Stu Testing Depth Level Legend Stratum Description				\						Trial Pit No	D:
Project Name Fort Halbsted Project Not Co-ords 5495328_159036N Scale: Ground Level 717.70m cpl 1548 5495328_159036N 1569328_159036N 15	Н۱	vdro	ock	WW	w.hvd	rock.	com	Ti	rial Pit	TP561	L
project Note October O											
Ident: Armstrong (Kent) LIP Date(s): 14/07/16 Plant Used: ICR SCX	Project	Name:	Fort Hals	tead		Dro	iost No.			TP	
Here the transform of t	Locatio	n:								1:25	
See Depth (m) Type Results (m) (m OD)	Client:		Armstron	g (Kent) LLP				Date(s):	14/07/16		
marks: No visual or olfactory evidence of contamination. Groundwater not encountered. Excavation and the state of the st	Vater						Legend				
marks: No visual or offactory evidence of contamination. Groundwater not encountered. Excavation backfilled with artsings.	trikes	Depth (m	n) Type	Results	(m)	(m OD)		Grass over brow	n sandy clayey gravel	ly TOPSOIL. Gravel of	
marks: No visual or offactory evidence of contamination. Groundwater not encountered. Excavation backfilled with arrivings.		0.20	ES					fine to coarse a	ngular to sub rounded	I flint concrete brick.	
marks: No visual or olfactory evidence of contamination. Groundwater not encountered. Excavation backfilled with arisings. **Body Standard Contamination of the Contamination o	0.50 0.50 0.50		0.50 D D D D D D D D D D D D D D D D D D D	0.30	210.90		gravelly flint CLAY. Gravel of fine to coarse angular to sub			1.0 -	
marks: No visual or olfactory evidence of contamination. Groundwater not encountered. Excavation backfilled with arisings. **Bulk Sample*** Do Discurded sample** So Forwardental Sample* So Fo		2.00	ES								2.0 -
marks: No visual or olfactory evidence of contamination. Groundwater not encountered. Excavation backfilled with arisings. B = Bulk Sample D = Distribed Sample B = Environmental Sample W = Water Sample W = Water Sample N = Third California Bearing Nato (%) HIV = Fland Sheet vinee (k%) HIV = Fland Sheet					3.00	214.20			End of Trial Pit at 3.00	m	3.0
marks: No visual or olfactory evidence of contamination. Groundwater not encountered. Excavation backfilled with arisings. B = Bulk Sample D = Distribed Sample B = Environmental Sample W = Water Sample W = Water Sample N = Third California Bearing Nato (%) HIV = Fland Sheet vinee (k%) HIV = Fland Sheet											
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backfilled with arisings. D = Disturbed Sample Extra Environmental Sa											5.0
bundwater: None encountered. Logged: WL Checked:	tability	<i>y</i> : S	ackfilled wit table	h arisings.	e of contam	ination. G	froundwate	r not encountered	. Excavation	D = Disturbed Sample ES = Environmental Sample W = Water Sample PID = Photoionization Detector (ppm) CBR = In Situ California Bearing Ratio (%) HSV = Hand Shear Vane (Pa) HP = Hand Penetrometer ((Pa) AB = Asbestos Bulk Sample	d:

Ц,	, d r o			, lavd	rook 4	2012	Т	rial Pit		Trial Pit No	:
П	/dro	CK	WWW	/.nya	OCK.	LOM	-			Sheet 1 of 2	
Project	Name:	Fort Halste	ead				Dimensions:	0.60m x 2.50m		Hole Type:	
Locatio	n:	Fort Halste	ead, Kent		Project No: C-10730-C		Co-ords: Ground Level:	549637E, 158922N 212.46m OD		Scale: 1:25	
Client:		Merseyside	e Pension Fund				Date(s):	26/11/18		Plant Used JCB 3CX	:
Water Strikes	-		Situ Testing	Depth (m)	Level (m OD)	Legend		Stratum Description	on		
Juikes	0.10	Type	Results	(111)	(III OD)			dy gravelly CLAY with a			
	0.10	13						with fine to coarse an orick and glass. (CLAY \			-
				0.35	212.11			wn friable sandy grave			_
	0.55	В					fine to coarse a	ngular to sub-rounded lets and flint cobbles.	I flint with s	ome	_
				0.75	211.71		Toots, and Toot	iets and milit cobbles.	(CLAI WIIII	1 LIN13)	
	0.80	В		0.73	211.71			ottled yellow brown an CLAY. Gravel with medi			_
							rounded flint c	obbles with some root	s and rootle	ts with	1.0
								kets of sandy CLAY. (CL content from 1.25m	AY WITH FL	INTS)	-
											-
											-
											-
											-
				1.85	210.61			HALK composed of wh			-
				2.10	210.36			asts are low density, w x is white with orange			2.0 —
	2.20	В		2.10	210.50	 	NODULAR CHA	LK FORMATION, SEAFC	ORD CHALK		-
							FORMARTION, UNDIFFERENTIA	NEWHAVEN CHALK FO ATED)	RMATION -		-
				2.50	209.96			HALK composed of silt			-
								are weak, low to med kles. Matrix is beige w			-
								AR CHALK FORMATION NEWHAVEN CHALK FO		CHALK	-
							UNDIFFERENTI	ATED)			3.0 —
								End of Trial Pit at 2.50	ım		-
											-
											-
											-
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											4.0 —
											-
											-
											-
											-
											-
											-
											5.0 —
Remark						nce of cont	amination. Backfill	ed with arisings. No	B = Bulk Sample D = Disturbed Sample		I
	visu	al or olfact	ory evidence of co	ntaminati	on.				ES = Environmental S W = Water Sample PID = Photoionization	Detector (ppm)	
Stability	r: Stab	nle							CBR = In Situ Californ HSV = Hand Shear Va HP = Hand Penetrom AB = Asbestos Bulk Sa	ne (kPa) eter (kPa)	
Ground		encounter	ed						Logged:	RP Checked	: WL

					_		Cabla	Percussion	Borehole N BH601	
Hyd	rock		WWW	.hyd	rock.d	com	Cable	Percussion		
									Sheet 1 of Hole Type	
Project Name:	: Fort Ha	Istead					Co-ords:	549701E, 158945N	СР	
ocation:	Fort Ha	Istead,	Kent			ject No: .0730-C	Ground Level:	211.93m OD	Scale: 1:50	
Client:	Mersey	rside Pe	nsion Fund		<u> </u>	.0730 C	Date(s):	19/11/18 - 20/11/1	Hole Diame	ter:
Water	Sample	and In	Situ Testing	Depth	Level					
/ell Strikes	Depth (m)	Туре	Results	(m)	(m OD)	Legend	Stratum Description			
	0.00-0.50 0.20 0.60	B ES D		0.65	211.28		frequent cobbl	sandy slightly gravelly s es of flint. Gravel is sub of flint with occasional l	angular and angular	
	0.70 0.70-1.30	ES B			211.20	<u> </u>	Firm light brow	n slightly sandy slightly		1.0
	1.20	ES				X X X X X X X X X X X X X X X X X X X		with frequent cobbles of flint. Gravel is subangular to subrounded fine to coarse of flint. (CLAY WITH FLINTS		
	1.40	D				X X X X X X X X X X X X X X X X X X X	FORMATION)	le to coarse of filmt. (Ci	LAY WITH FLINTS	
	1.50-2.00 1.50	B SPT	N=24			X X X X X X X X X X X X X X X X X X X	,			
		(4,4/7,5,6,6)	(4,4/7,5,6,6)			X X X X X X X X X X X X X X X X X X X				
						X X X X X X X X X X X X X X X X X X X				2.0
	2.40	D				X X X X X X X X X X X X X X X X X X X				
	2.50-3.00 2.50	B SPT	N=25			X X X X X X X X X X X X X X X X X X X				
			(6,5/7,6,5,7)			X X X X X X X X X X X X X X X X X X X				
						\(\frac{\times}{\times}				3.0
	3.40	D				×××××				
	3.50-4.00	В				×××××				
	3.50	SPT	N≥50 (2,2/6 for 157mm)			XXXXXXX				
•				4.00	207.93	XXXXX	Structureless C	HALK composed of slig	htly sandy slightly	4.0
		_				<u> </u>		r to rounded GRAVEL 8		
	4.40 4.50	D SPT	N=13			<u> </u>	weak low to m	edium density cream w	rith occasional	
			(2,2/3,3,3,4)			<u> </u>		g. Matrix is cream locall		
						<u> </u>		casional flints. (CIRIA G covered as weak medi		5.0
						<u> </u>		ned orange CHALK. Fra		
<u> </u>						<u> </u>		ely to closely spaced (1		
						<u> </u>		mminuted chalk. (CIRIA		
	5.90	5.90 D 5.00-6.50 B 6.00 SPT N=13 (3,3/3,3,3,4)				<u> </u>		AR CHALK FORMATION NEWHAVEN CHALK FO		6.0
						<u> </u>	UNDIFFERENTI			
			(3,3/3,3,3,4)			<u> </u>				
										7,
										7.0
	7.40	D				<u> </u>				
	7.50	SPT	N=16 (4,3/5,4,3,4)			<u> </u>				
 :										
‡ :}										8.0
: <u> </u>										
 :	8.90	D								
 :	9.00-9.50 9.00	B SPT	N=29							9.0
	5.00	JF1	(5,5/6,6,7,10)							
										
 : 										
1.										10.0
emarks:	Roraholo o	l nmplot	at 15 0m hal (Sroundu	rater not o	encounter	ad Novigual or olf	actory evidence of	B = Bulk Sample	
ziliai KS.							ng installation upo		D = Disturbed Sample U = Undisturbed Sample	
		. = 0					J	•	UT = Undisturbed Sample (Thin Wall) ES = Environmental Sample W = Water Sample	
									PID = Photoionization Detector (ppm) SPT = Standard Penetration Test AB = Asbestos Bulk Sample	
									An - Aspesios Bulk Sample	

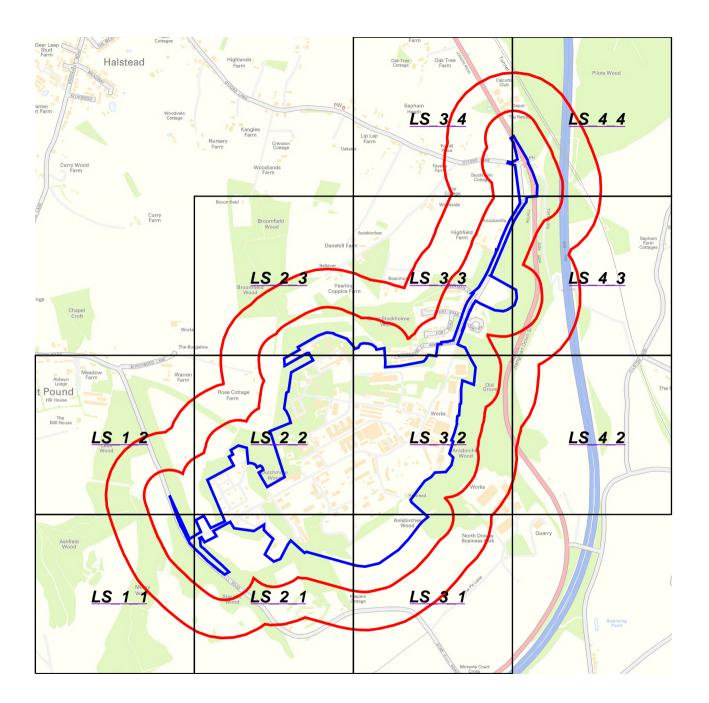
									_	Borehole N		
Н	vd	rock		www	ı.hyd	rock.	com	Cable	Percussion	BH60:		
					-					Sheet 2 of Hole Type		
roje	ct Name	Fort Ha	ılstead				*	Co-ords:	549701E, 158945N	СР		
ocat	ion:	Fort Ha	ılstead,	Kent			ject No: 10730-C	Ground Level:	211.93m OD	Scale: 1:50		
ient	t:	Mersey	vside Pe	nsion Fund				Date(s):	19/11/18 - 20/11/18	Hole Diame	ter:	
ell	Water	Sample	and In S	Situ Testing	Depth	Level	Legend		Stratum Description	•		
	Strikes	Depth (m)	Туре	Results	(m)	(m OD)	Legellu					
		10.40 10.50 D N=34 (6,6/7,8,8,11) N=34 (10.40 10.50 D N=34 (10.40 10.50 D N=34 (10.40 10.50 D N=34 (10.40 10.50 D N=34 (10.40 10.50 N=34 (10.40 N=34 N=34 (10.40 N=34 (10.40 N=34 N=34 N=34 N=34 N=34 N=34 N=34 N=34					COBBLES. Clasts are th occasional dark brown and RADE Dc). m density white tures possibly (/30/90) infilled GRADE C4) , SEAFORD CHALK RMATION -	11				
		13.40 13.50	D SPT	N=21 (4,4/5,4,5,7)							13.	
		14.40 14.50-15.00 14.50	D B SPT	N=13 (1,2/2,3,3,5)	15.00	196.93		End of Borehole at 15.00m				
											16.	
											17.	
											18.	
											19.	
											20.	
lemai	rks:							ed. No visual or olf ing installation upo	on completion.	B = Bulk Sample D = Disturbed Sample U = Undisturbed Sample UT = Undisturbed Sample (Thin Wall) ES = Environmental Sample W = Water Sample PID = Photoionization Detector (ppm) SPI = Standard Penetration Test AB = Asbestos Bulk Sample		

Groundwater:



Appendix C

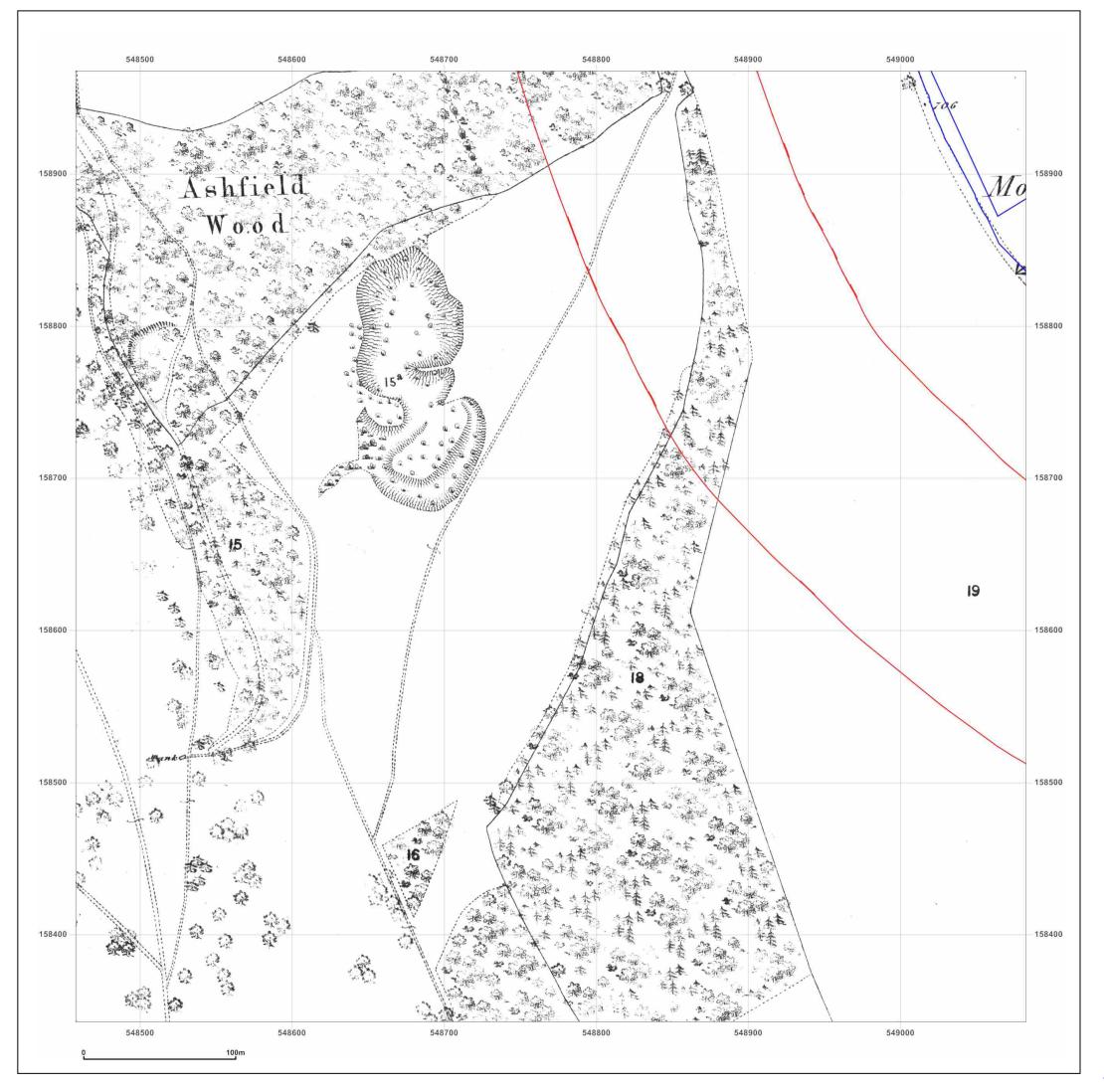
Historical Ordnance Survey Maps



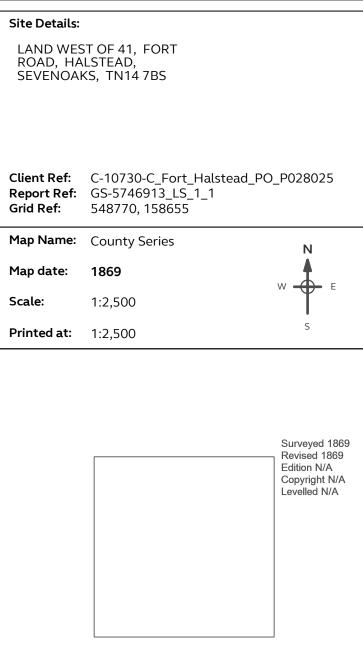




1:2500 Scale Grid Index





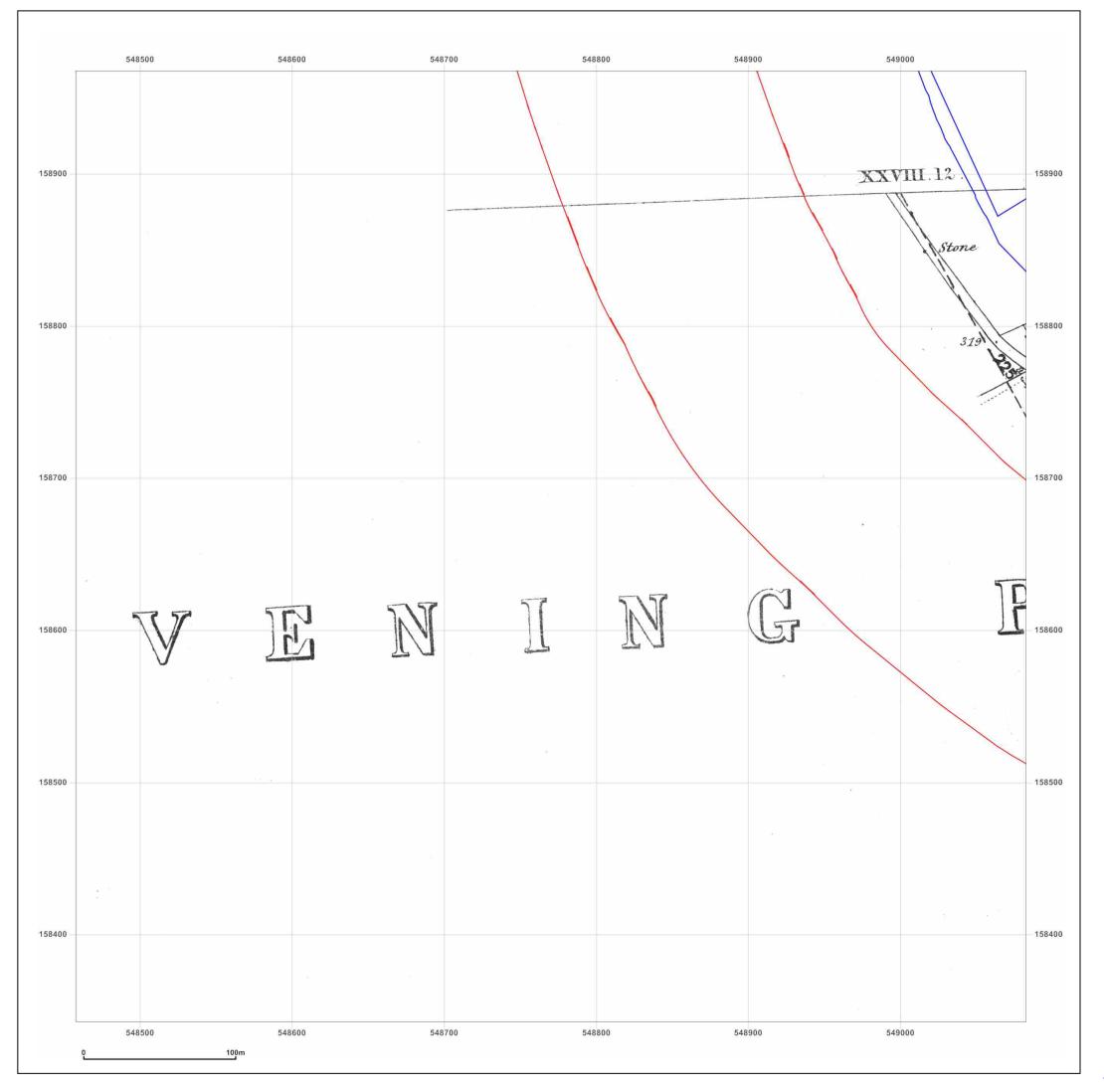




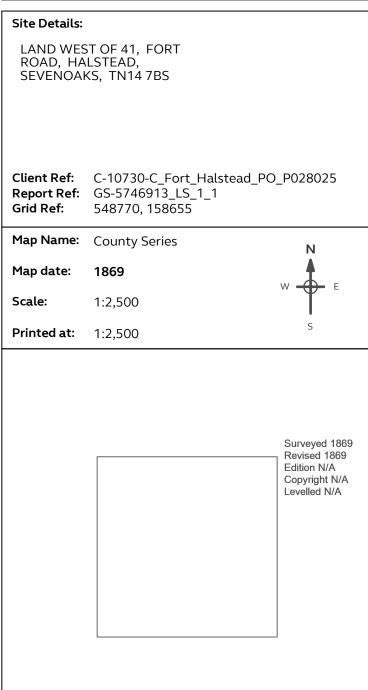
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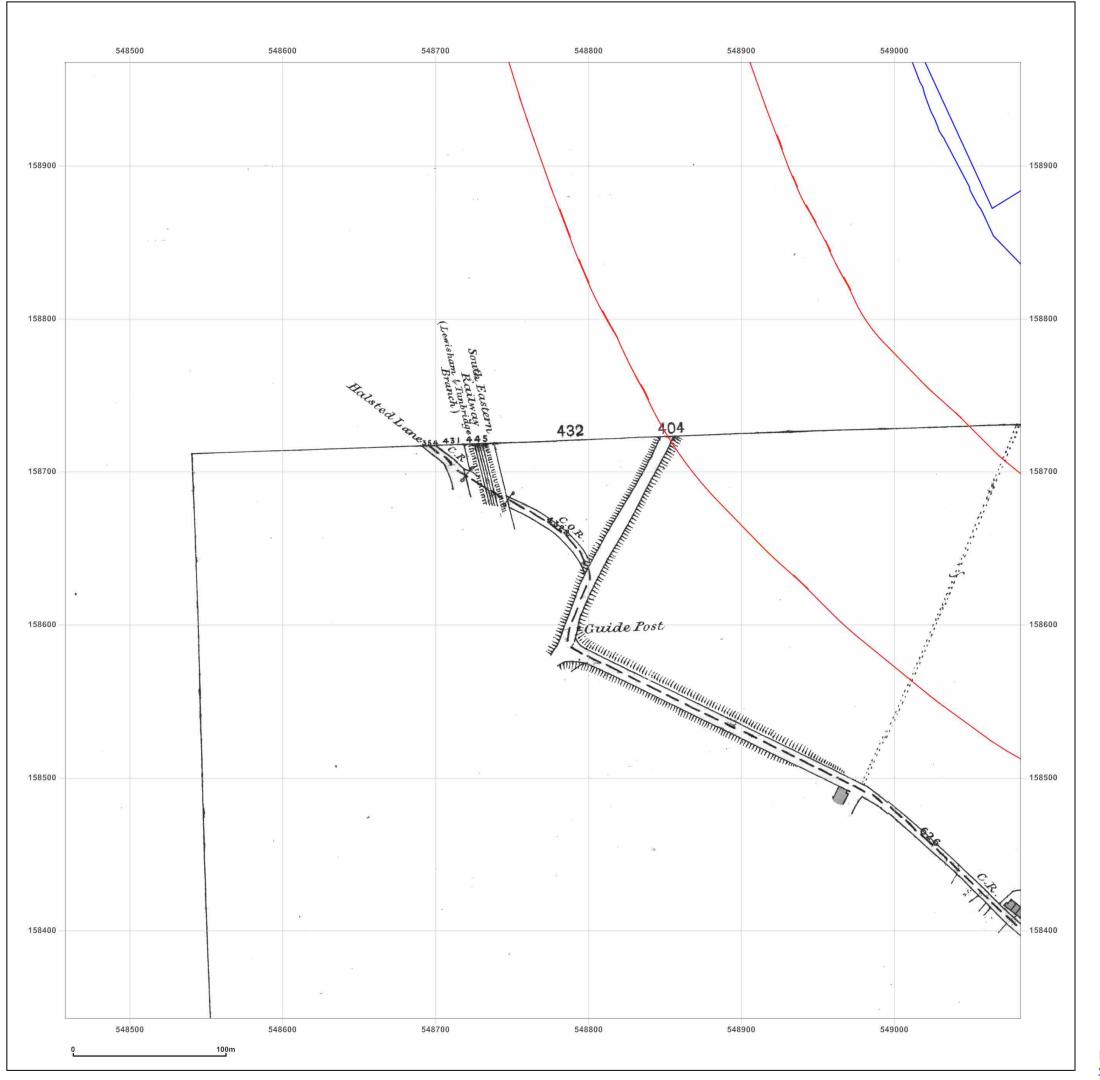




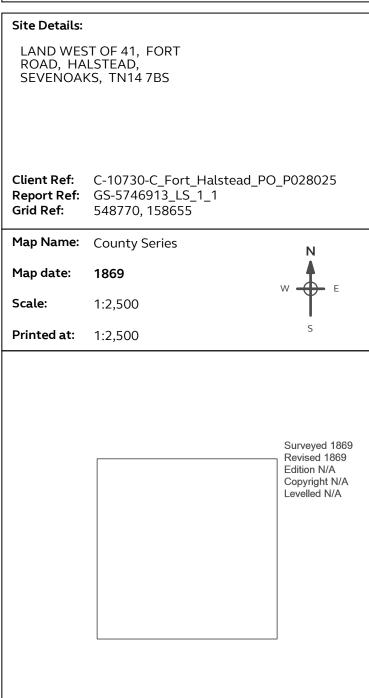
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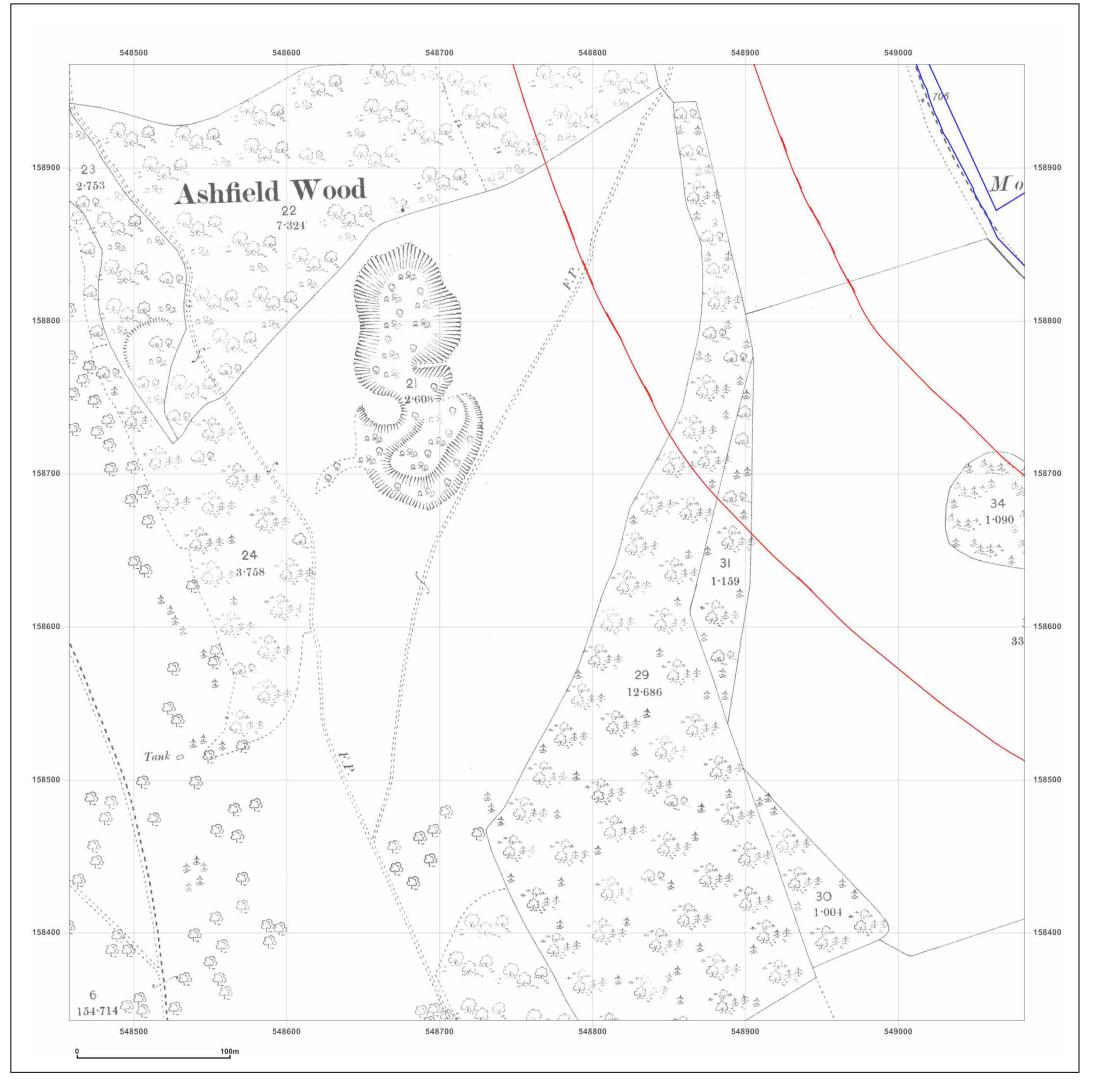




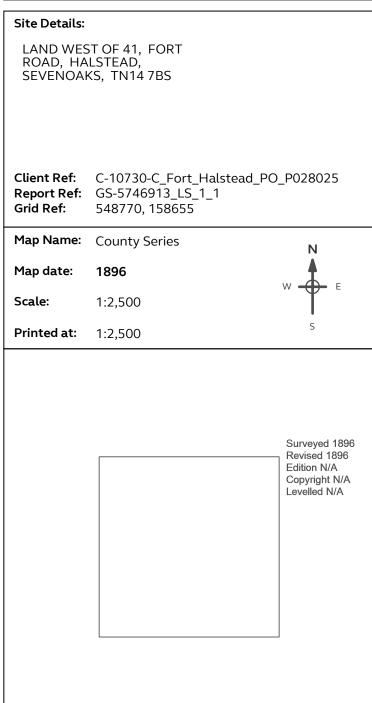
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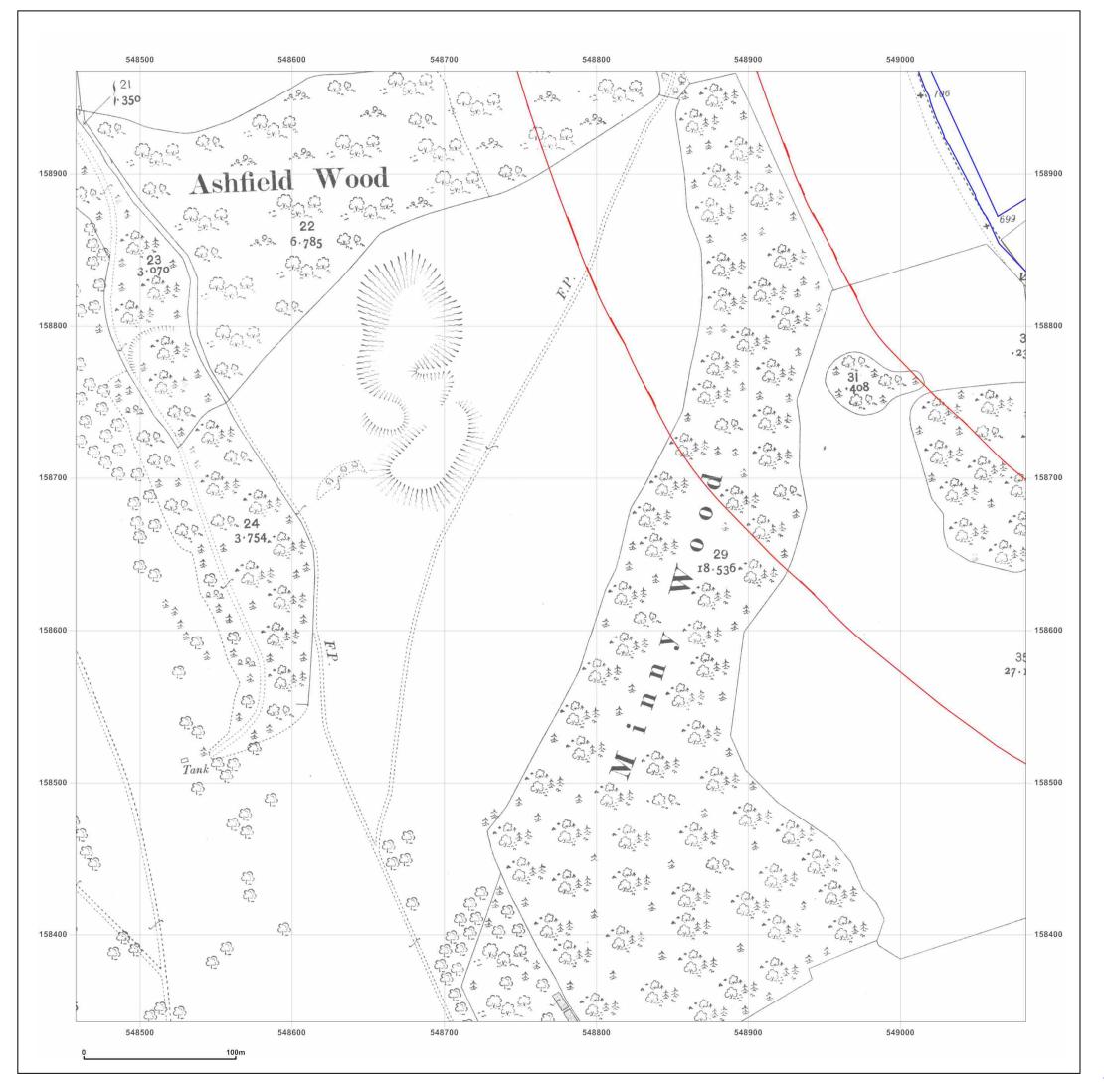




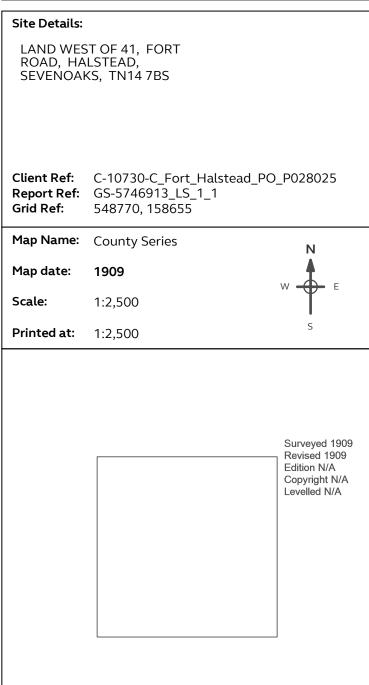
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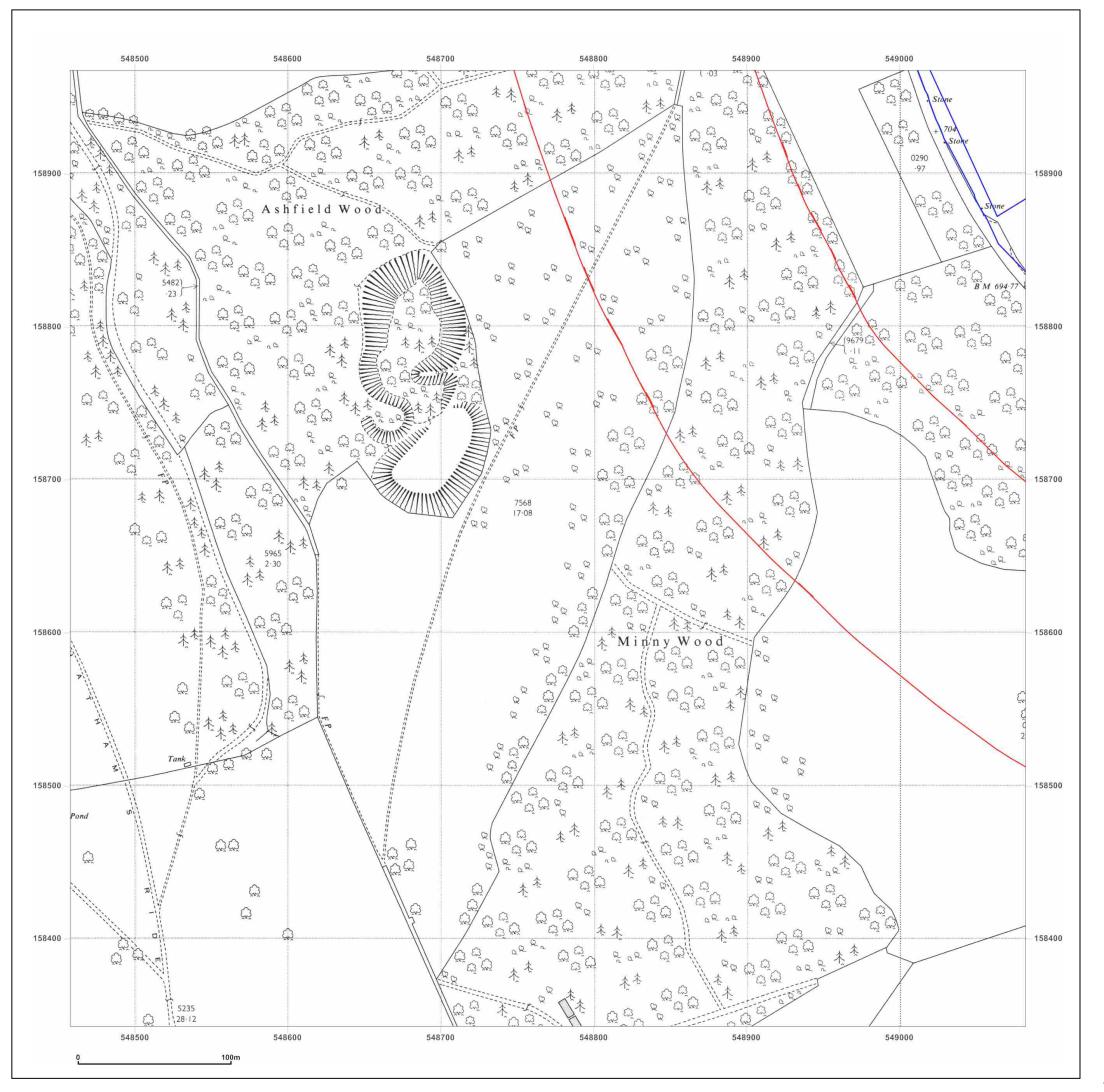




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548770, 158655 **Grid Ref:**

Map Name: National Grid

Map date: 1961

Scale: 1:2,500

Printed at: 1:2,500

Surveyed 1961 Revised 1961 Edition N/A Copyright 1963 Levelled 1952

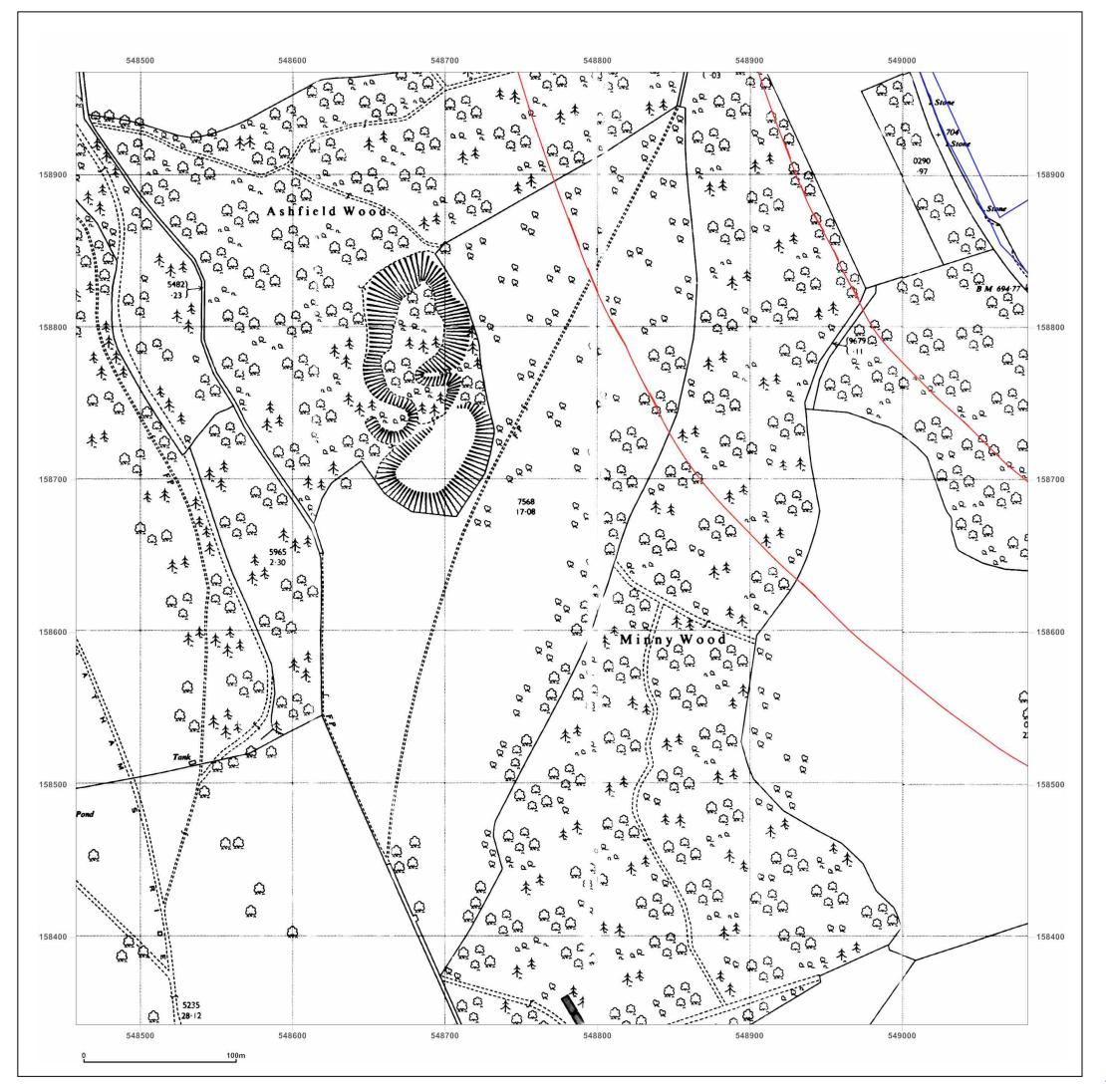


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LAND WEST OF 41, FORT ROAD, HALSTEAD, SEVENOAKS, TN14 7BS

Client Ref: C-10730-C_Fort_Halstead_PO_P028025 Report Ref: GS-5746913_LS_1_1

Grid Ref: GS-5746913_LS_1_1 Grid Ref: 548770, 158655

Map Name: National Grid

Map date: 1963

Scale: 1:2,500

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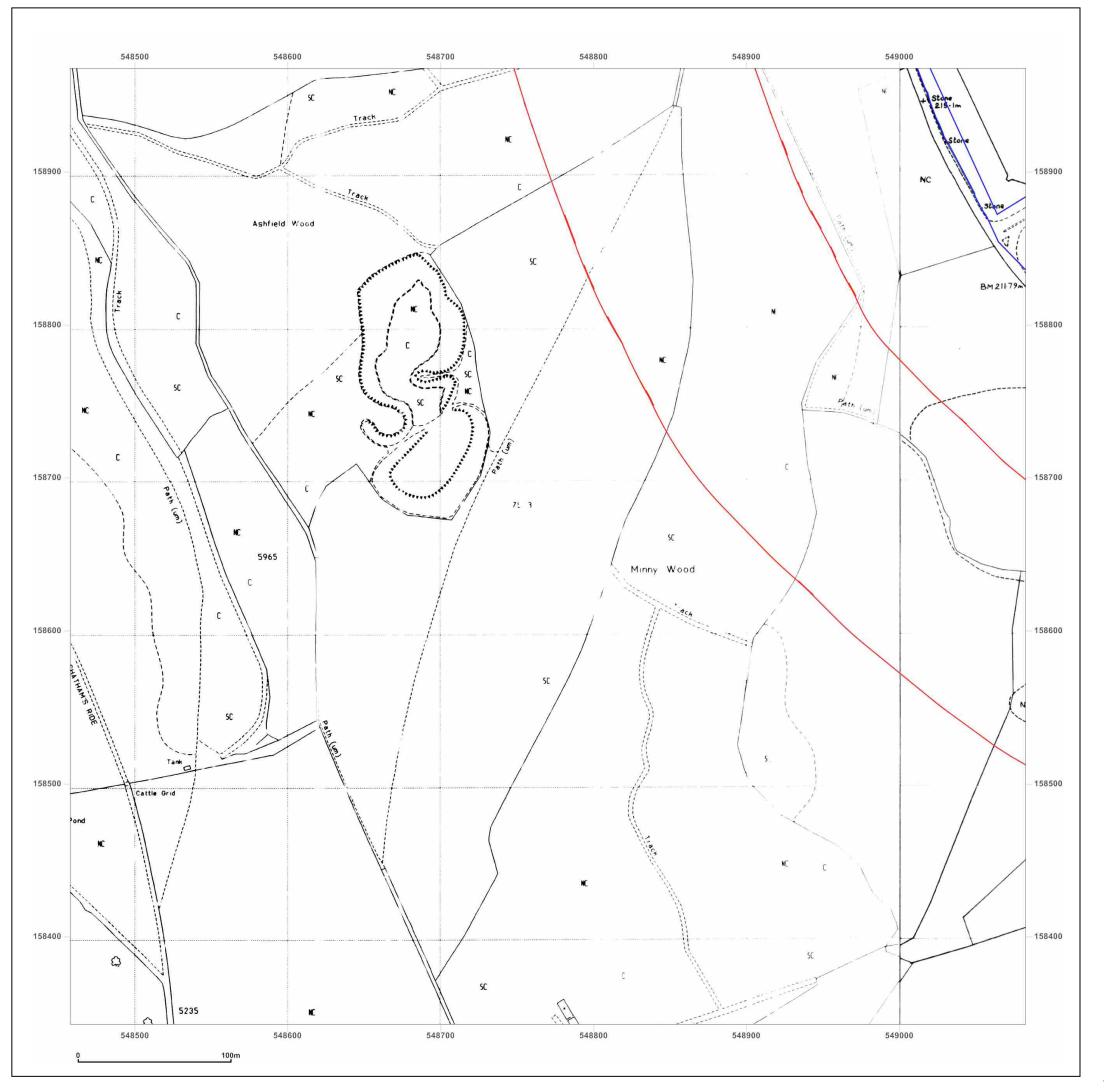
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Client Ref: C-10730-C_Fort_Halstead_PO_P028025 **Report Ref:** GS-5746913_LS_1_1

Grid Ref: 548770, 158655

Map Name: National Grid

Map date: 1988-1992

Scale: 1:2,500

Printed at: 1:2,500

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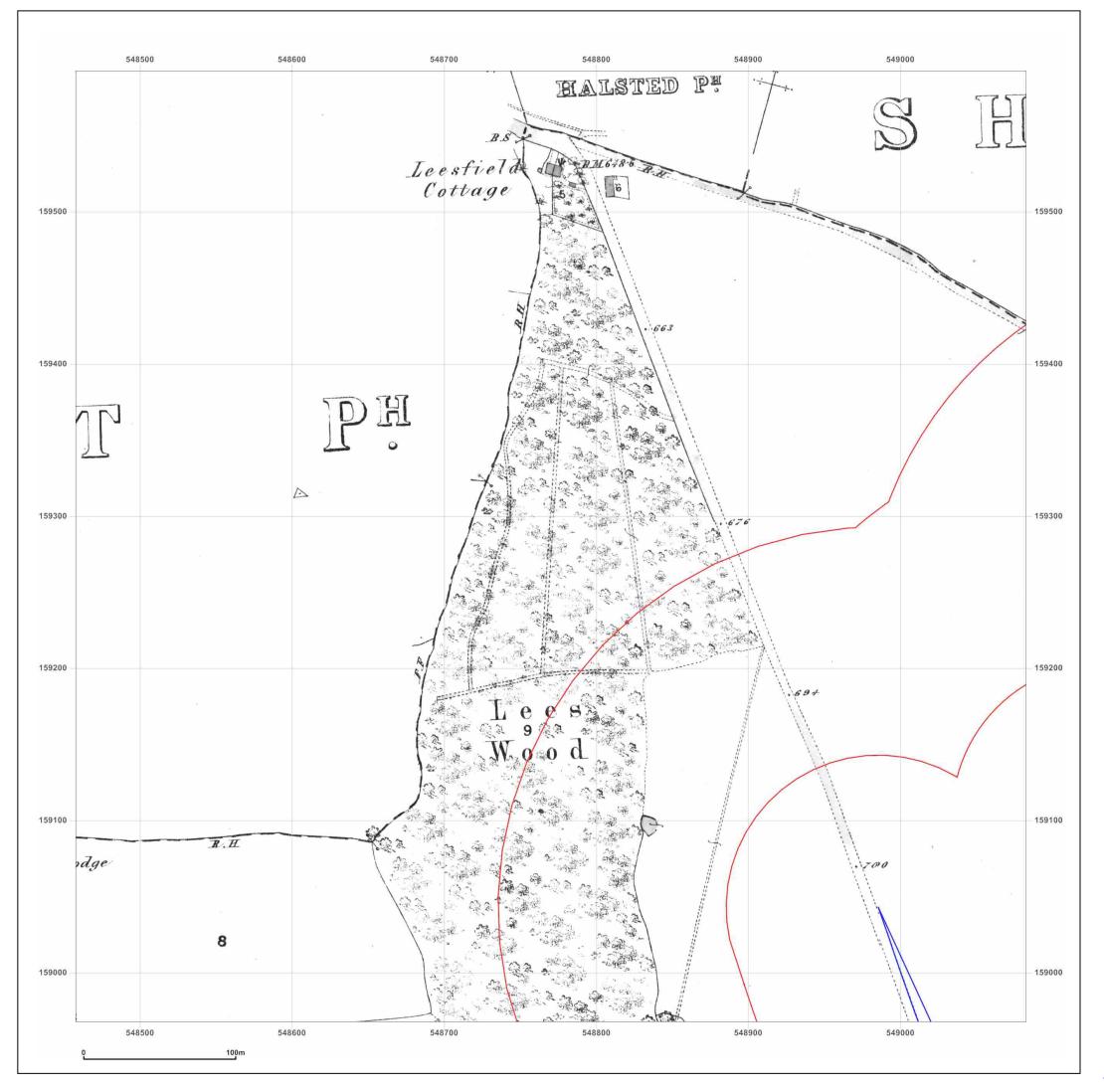
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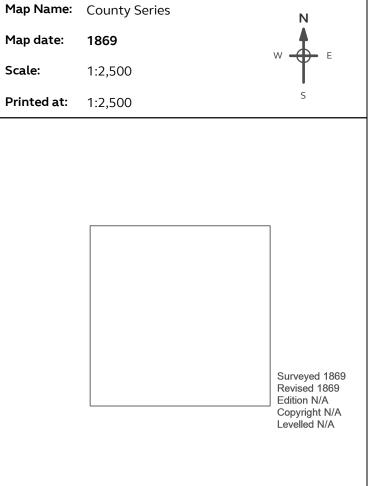




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Client Ref: C-10730-C_Fort_Halstead_PO_P028025 Report Ref: GS-5746913_LS_1_2

548770, 159280 **Grid Ref:**





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