BT-JAC-020631-550-0004-EIA

Bramford to Twinstead Reinforcement

Volume 6: Environmental Information

Document 6.5.3: Environmental Impact Assessment Scoping Report:

AUNITERO

LAMARSH

Final Issue A

anning Inspectorate Reference: EN020002

WINSTEAD

Infrastructure Planning (Applications, Prescribed Forms and Procedure) Regulations 2009 Regulation 5(2)(a)

nationalgrid

Page intentionally blank

Issue number: BT-JAC-020631-550-0004-EIA

Bramford to Twinstead

Scoping Report: Volume 3: Figures

May 2021



UNITER

nationalgrid

Page left intentionally blank

Contents

- Figure 1.1: Location Plan
- Figure 3.1: Alternatives
- Figure 4.1: Proposed Project
- Figure 6.1: Landscape and Visual Designations and Features
- Figure 6.2: Landscape Character Areas
- Figure 6.3: Draft Zone of Theoretical Visibility (ZTV)
- Figure 7.1: European Designated Sites
- Figure 7.2: Statutory and Non-Statutory Designated Sites
- Figure 7.3: Priority Habitats and Ancient Woodland
- Figure 7.4: Phase 1 Habitat Survey
- Figure 7.5: Biodiversity Baseline for Selected Receptors (CONFIDENTIAL)
- Figure 8.1: Designated Heritage Assets
- **Figure 9.1: Water Environment Features**
- Figure 10.1: Geological and Hydrogeological Features
- Figure 11.1: SoilScapes Mapping
- Figure 11.2: Provisional Agricultural Land Classification
- Figure 11.3: Agri-Environment and Forestry Schemes
- Figure 14.1: Noise and Air Quality Baseline
- Figure 15.1: Administrative Boundaries
- Figure 15.2: Socio-economic, Tourism and Recreation Features
- Figure 18.1: Cumulative Effects Long List of Proposed Developments

Page left intentionally blank

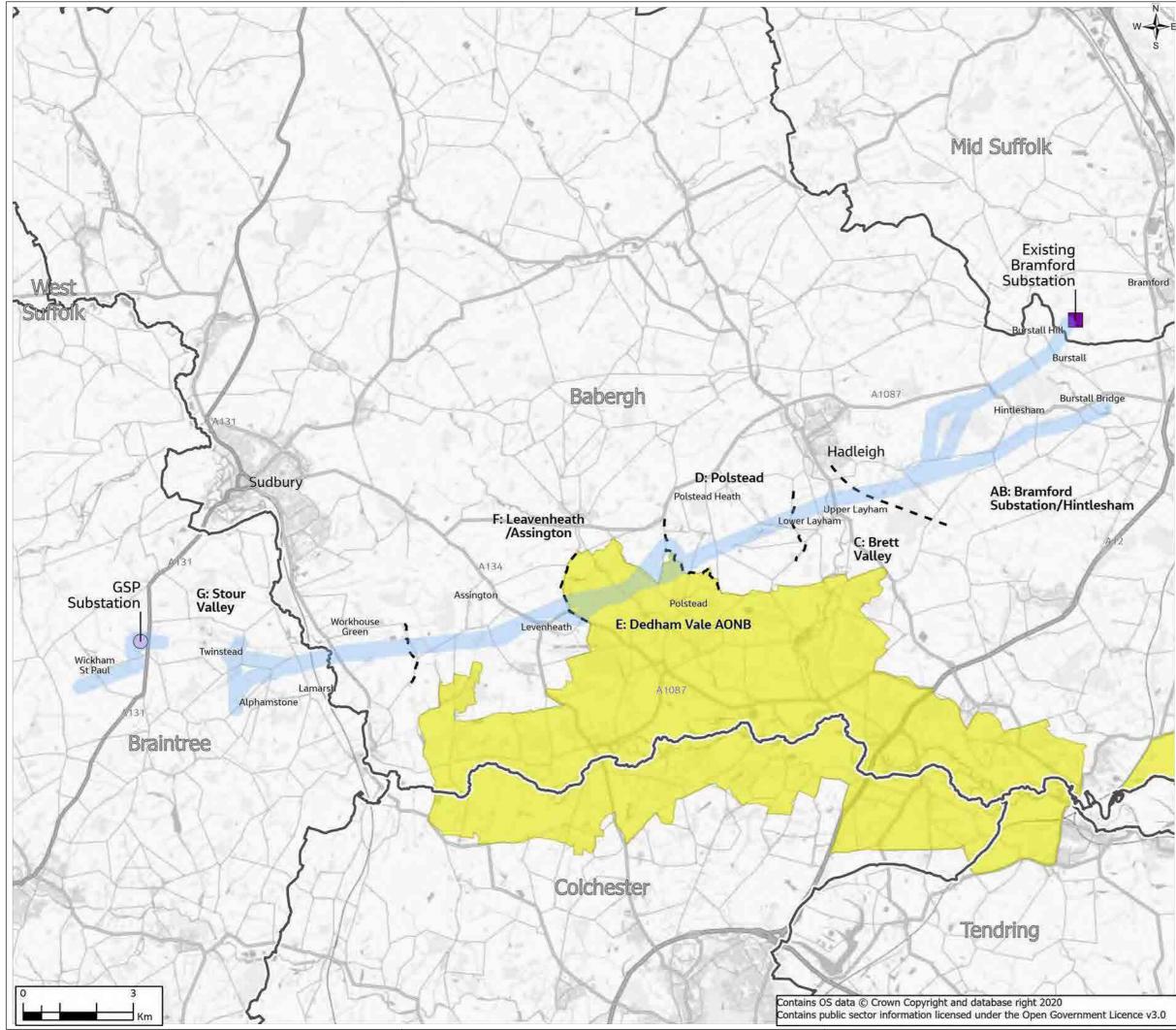
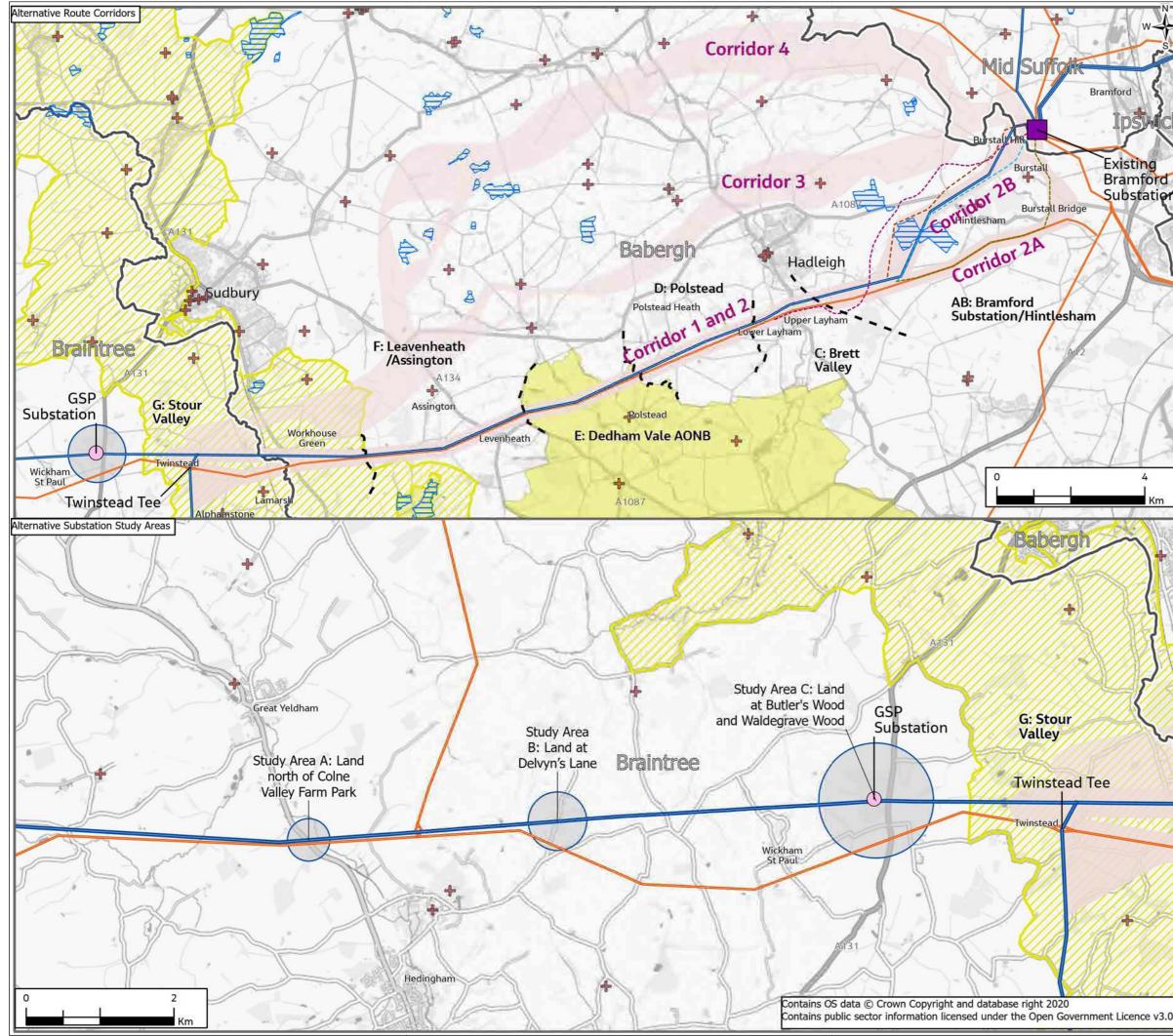


FIGURE 1.1

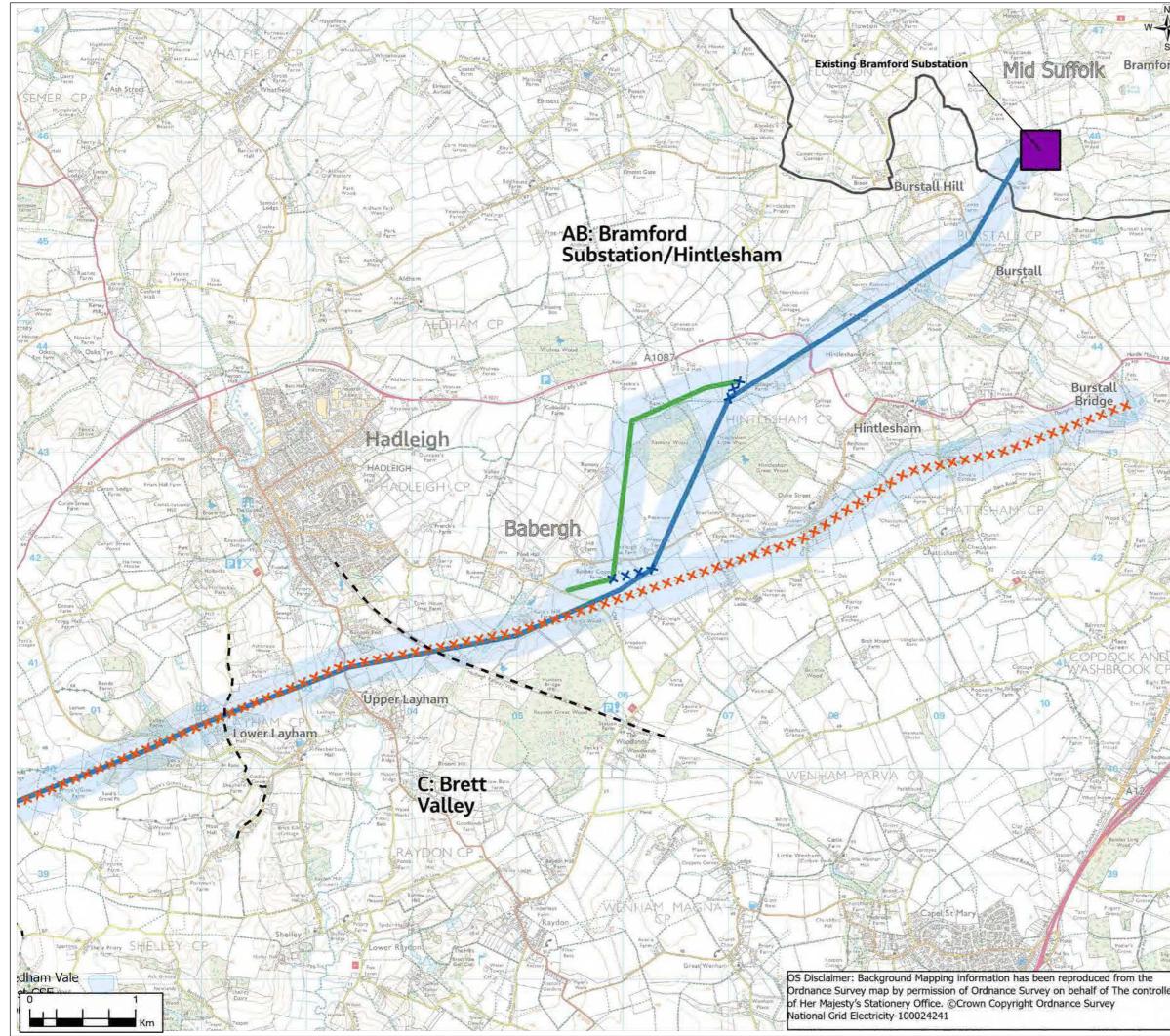
Legend

- Section boundaries
- Scoping Boundary
- Existing Bramford Substation
- Proposed Grid Supply Point (GSP) Substation \bigcirc
- Local authority districts
 - Area of Outstanding Natural Beauty (AONB)

	XXX HX	Sudbury Halstead Colcheste	Ipswich er				
ł	1 04/2021	Final	PM	тс	TC CW	1	
	Rev. Date	Purpose of revision	Drawn	Check'd F	Rev'd Appr'	d	
	Jacobs 160 Dundee St, Edinburgh, EH11 1DO, UK. Tet. +44(0)131 659 1500 www.jacobs.com						
	Client	nationalg	jri	d			
	Project	BRAMFORD TO TWINSTE	AD				
	Drawing Title	Location Plan					
	Page 1 of 1						
	Drawing Status	Final					
	Scale @ A3	1:100,000		DO NO	T SCALE		
	Jacobs No.	B2416601				_	
	Client No. Drawing No. AAA_B2B_01_Introduction						
]	© Copyright 2021 Jacobs U.K. Limited. The concepts and information contained in this document are the property of Jacobs. Use or copying of this document in whole or in part without the written permission of Jacobs constitutes an infringement of copyright. Limitation: This drawing has been prepared on behalf of, and for the exclusive use of Jacobs' Client, and is subject to, and issued in accordance with, the provisions of the contract between Jacobs and the Client. Jacobs accepts no liability or responsibility whatsoever for, or in respect of, any use of, or reliance upon, this drawing by any third party.						

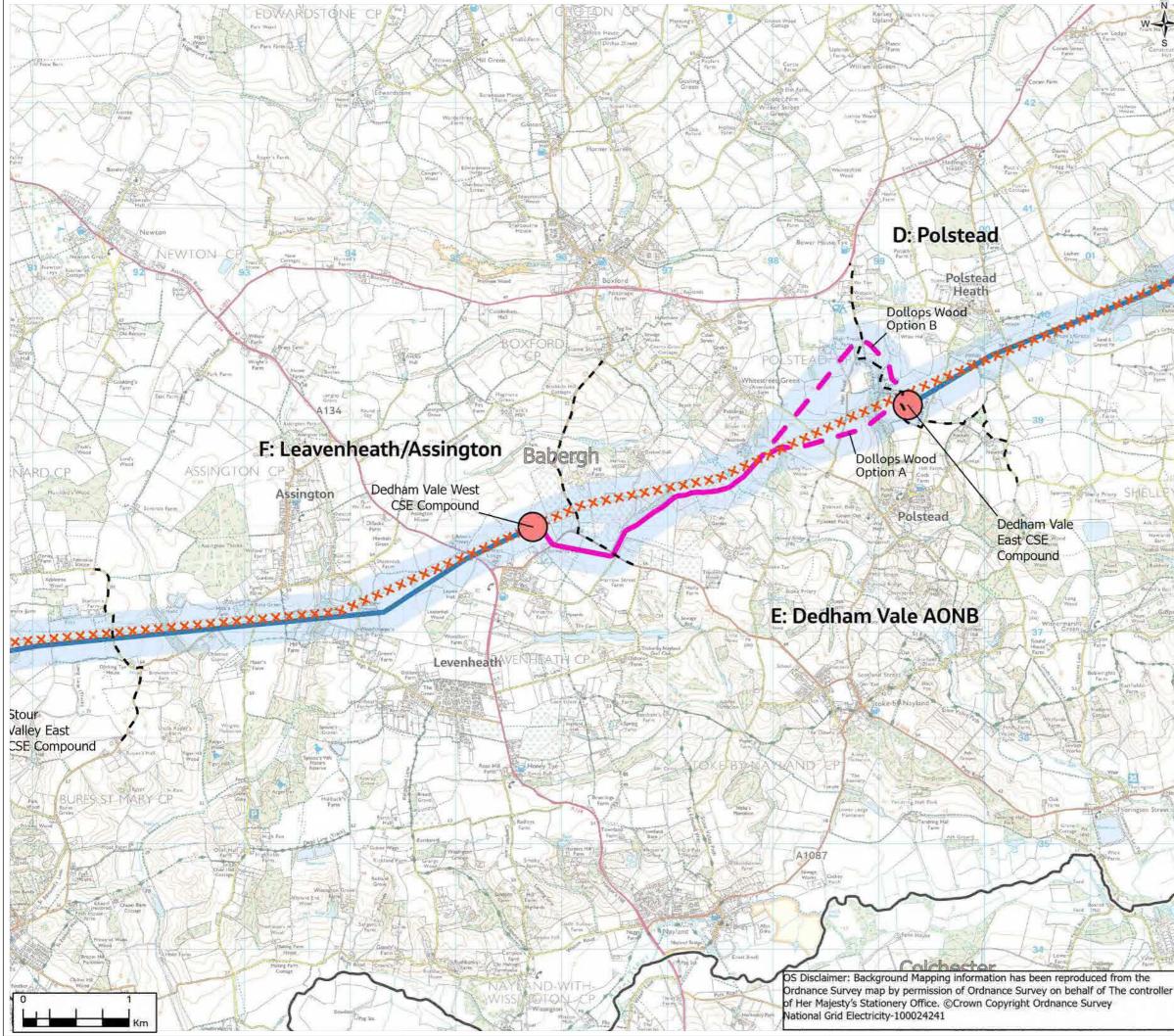


			F	IGUR	E 3.1		
Leg							
-	Sec	tion bound	laries				
	Loc	al authorit	y districts	i			
		sting Brami					
\bigcirc		-		Point (GSP)	Substation		
		sting 400k					
		sting 132k		id line			
		ute corridoi					
		ostation stu					
<u>Alte</u>		ve options		<u>ham</u>			
		rridor 2A al rthern aligr		orridor 2B			
		uthern aligr					
		derground					
Kev		ronmental					
-		ade 1 Listed					
-				c Interest (S	SSI)		
		our Valley P			,		
		-	-	itural Beaut	y (AONB)		
Corri						adopts the 132kV overhe	and li
Com	aoriț	barallets the ex	isting 400k	v overnead une	and Corridor 2	adopts the 152kV overne	ad u
9		1					
	1		24				
0					~		
1					100		
					10	1	
			1	-		1 1	
		1	fudt	Hac	lleigh	lpswich	
		1	puut	Jury	1	1910	0
		2				1.20	
			Hals	stead	1.2		
					Colches	tor	
1	1			1	coteries		
		1	1	÷	1.10	100	
3		5-	2	12	- Alla		
				and.			
>	_	7.	-		1.1.22	6	
1 (04/202	21		Final		РМ ТС ТС	
Rev.	Date		Purpo	ose of revision		Drawn Check'd Rev's	d A
				Jaco	obs		
			160 Dun	idee St, Edinbu	rgh, EH11 1DQ,	UK.	
				Tel: +44(0)131 www.jacob	l 659 1500	- 22	_
Client			1.1			•	
		na	116	n	aln	rid	
					~3		
Project		,					
			BRA	MFORD TO	TWINSTEA	D	
Drawin	g Title						
			Alt	ernatives (Considered		
				Page 1	of 1		
				Page 1			
Drawin	.g Stat	us		Fina	al		
Scale @	-	1:100				DO NOT S	SCAL
Jacobs		B241	5601				
Client I			20.02	Altornati			
Client I Drawin	ig 110.	AAA B		_Alternati	ves		
	IY NO.						
Drawin					its and informa	ation contained in this	
Drawin © Copy docum without	/right : ent are	2021 Jacobs e the propert	U.K. Limite y of Jacobs	d. The concer . Use or copyi	ng of this docu es an infringer	ation contained in this ument in whole or in pa nent of copyright. the exclusive use of Jac ions of the contract bef y whatsoever for, or in ro	rt

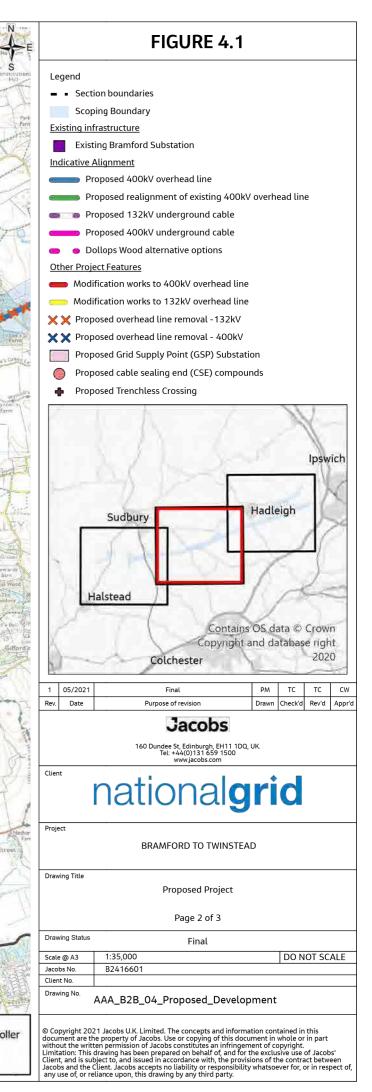


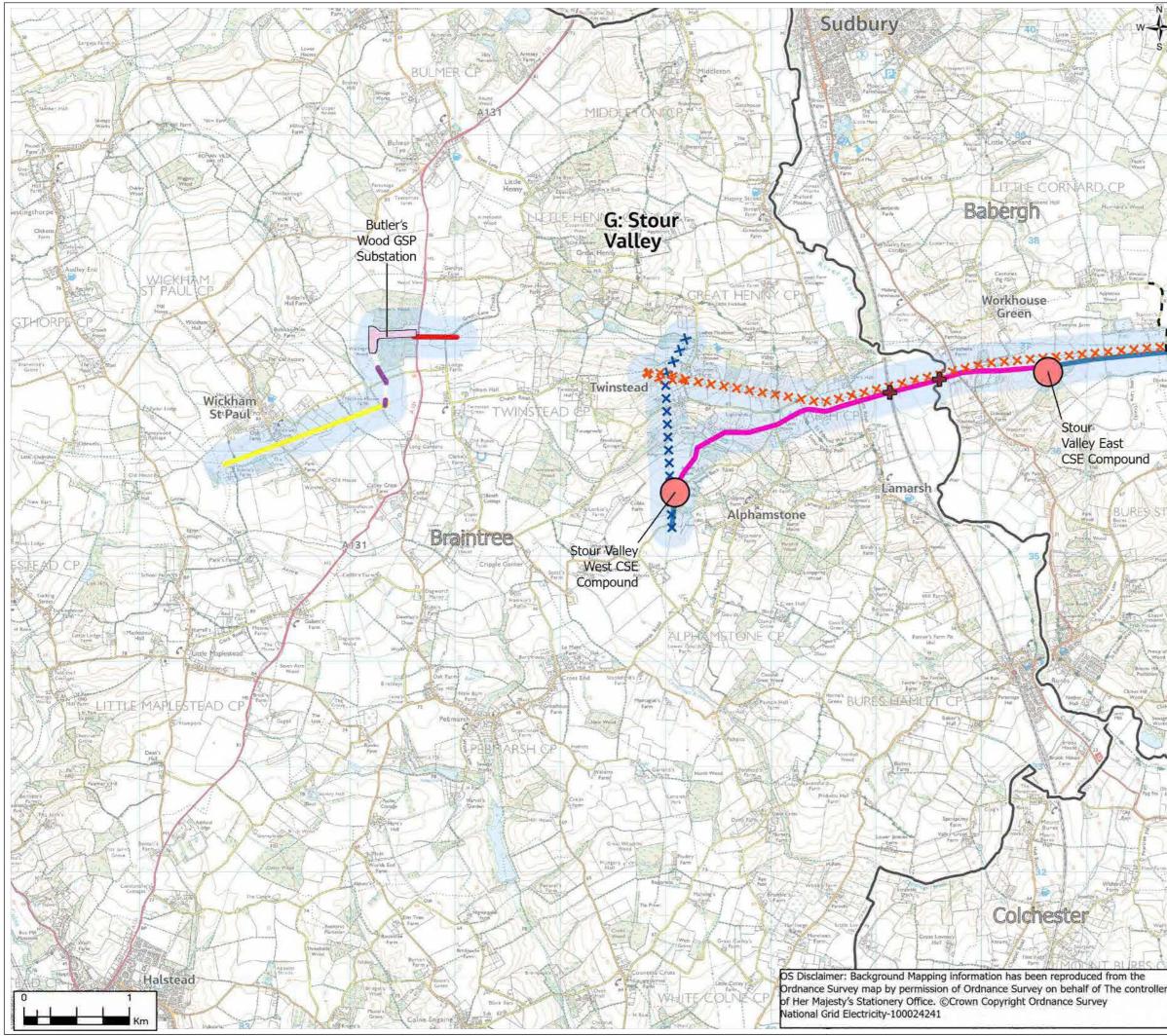
Path: \\gblon0vs01\GISProj\B2600017_NG_Bramford2Twinstead\GIS\01_ScopingReport\AAA_B2B_04_Proposed_Development.aprx

		FIGUF	RE 4.1			
Legend						
 Sector 	tion boundar	ies				
Sco	ping Bounda	ry				
Existing in	<u>nfrastructure</u>					
Exis	ting Bramfor	d Substation				
Indicative	Alignment					
• • • •	roposed 400	kV overhead l	ine			
P	roposed real	ignment of ex	isting 400	kV overh	ead line	
🕳 🝺 P	roposed 132	kV undergrou!	nd cable			
— P	roposed 400	kV undergrou	nd cable			
😑 😐 D	ollops Wood	l alternative op	otions			
<u>Other Pro</u>	ject Features					
e Mod	lification wor	ks to 400kV o	verhead lir	ne		
🥽 Mod	lification wor	ks to 132kV o	verhead lir	ne		
XX Prop	posed overhe	ead line remov	al -132kV			
XX Prop	posed overhe	ead line remov	al - 400k√	/		
Prop	posed Grid S	upply Point (G	SP) Substa	ation		
Prop	posed cable s	sealing end (C	SE) compo	ounds		
🔶 Prop	posed Trench	less Crossing				
1			-		11	
		L			N	
	6 . 1				1	1
	3. 1		100		lp	oswi
	A.C.L.		- F	-	-	M
	-17				1	P
	Sudbur	× [Hadle	eigh	1
F	Juduu	<u>,</u>	-61	1		0
	5.1	1		1	- 1	1
	-1 M			-1		
100	X D	1	-	1	1	E.
0	Halstead	1	1	15	1-	5
1º	Series -	T	1	11		
5		1 2	Contair Copyrigh		ata © Cr	
aler		Colcheste		and da	and the second second	1gn 2020
	× 1**	Colcheste	E.	1		
1 05/2021		Final		PM	тс	гс
Rev. Date		Purpose of revision	n	Drawn	Check'd Re	ev'd
		Jac	obs			
	16			IO UK		
	10	0 Dundee St, Edinb Tel: +44(0)13 www.jaco	51 659 1500 bs.com	.a, ort.		
Client				•		
	not	1 C				
		[.] ion	aic	ir i		
	Ial	ion	al	jri	U	
Project	Παι	ion	al	gri	u	
Project		BRAMFORD T			u	
Project					u	
Project Drawing Title		BRAMFORD T	D TWINSTE		u	
			D TWINSTE		u	
		BRAMFORD T	O TWINSTE		u	
Drawing Title		BRAMFORD To Proposed Page	O TWINSTE I Project 1 of 3		u	
Drawing Title Drawing Status		BRAMFORD T	O TWINSTE I Project 1 of 3			
Drawing Title		BRAMFORD To Proposed Page Fir	O TWINSTE I Project 1 of 3			- SC/
Drawing Title Drawing Status Scale @ A3 Jacobs No. Client No.	1:35,000	BRAMFORD To Proposed Page Fir	O TWINSTE I Project 1 of 3			- SC/
Drawing Title Drawing Status Scale @ A3 Jacobs No.	1:35,000 B2416601	BRAMFORD To Proposed Page Fir	D TWINSTE d Project 1 of 3 al	EAD	DO NOT	· SC/
Drawing Title Drawing Status Scale @ A3 Jacobs No. Client No. Drawing No.	1:35,000 B2416601 AAA_B2B_	BRAMFORD To Proposed Page Fir	D TWINSTE d Project 1 of 3 al ed_Develo	EAD	DO NOT	
Drawing Title Drawing Status Scale @ A3 Jacobs No. Client No. Drawing No.	1:35,000 B2416601 AAA_B2B_	BRAMFORD To Proposed Page Fir	D TWINSTE d Project 1 of 3 al ed_Develo	EAD	DO NOT	



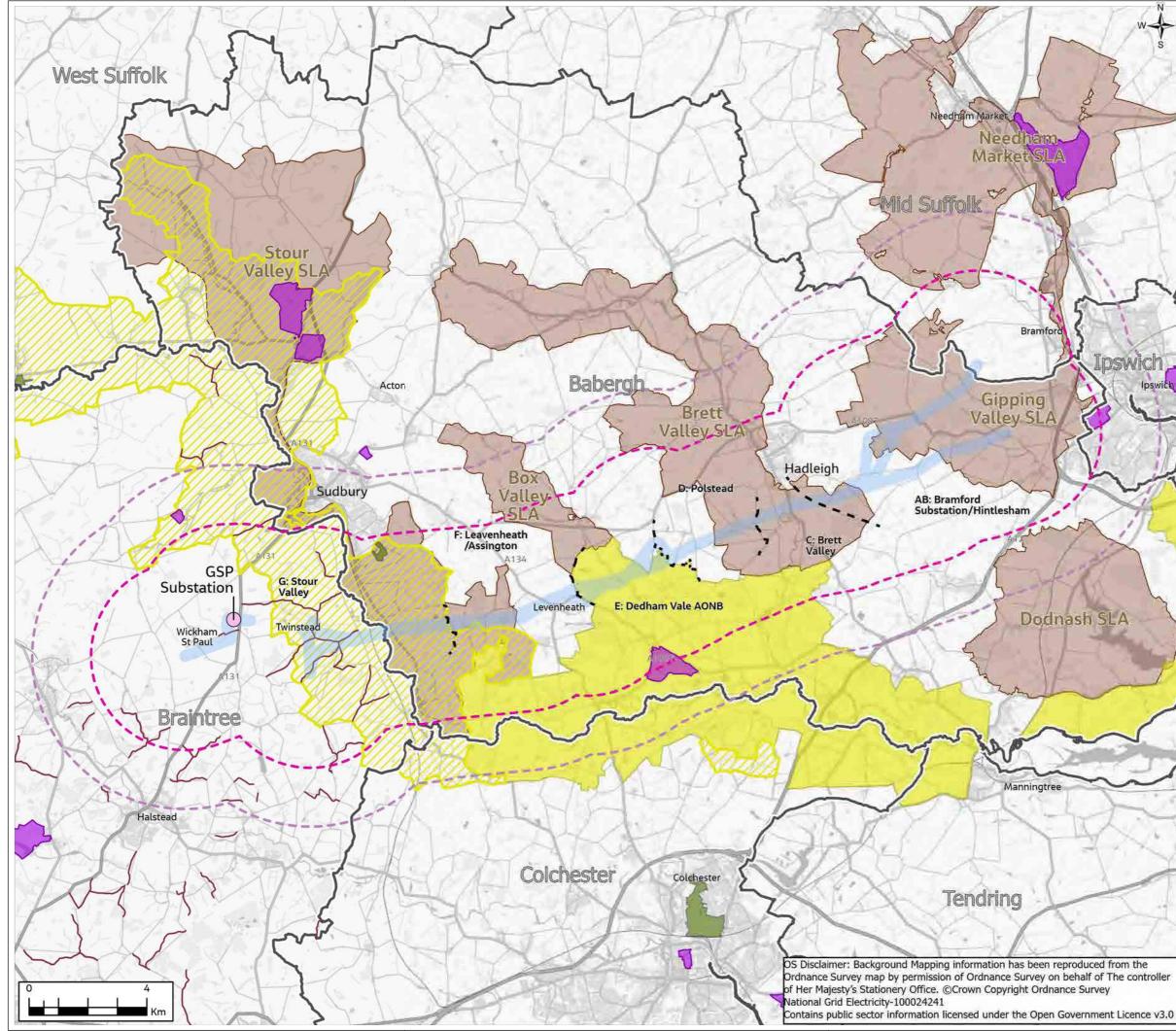
Path: \\gblon0vs01\GISProj\B2600017_NG_Bramford2Twinstead\GIS\01_ScopingReport\AAA_B2B_04_Proposed_Development.aprx





Path: \\gblon0vs01\GISProj\B2600017_NG_Bramford2Twinstead\GIS\01_ScopingReport\AAA_B2B_04_Proposed_Development.aprx

	FIGURE 4.1	
Legend		
 Sect 	on boundaries	
Scop	ing Boundary	
Existing inf	rastructure	
Exist	ing Bramford Substation	
Indicative /	lignment	
Pr	oposed 400kV overhead line	
en Pr	oposed realignment of existing 400kV overhead line	
e 💿 Pr	oposed 132kV underground cable	
Pr	oposed 400kV underground cable	
😑 😐 De	ollops Wood alternative options	
Other Proje	ect Features	
🛑 Modi	fication works to 400kV overhead line	
🥽 Modi	fication works to 132kV overhead line	
🗙 🗙 Prop	osed overhead line removal -132kV	
XX Prop	osed overhead line removal - 400kV	
Prop	osed Grid Supply Point (GSP) Substation	
Prop	osed cable sealing end (CSE) compounds	
•	osed Trenchless Crossing	
1 05/2021 Rev. Date	Sudbury Hadleigh Alstead Contains OS data © Crov Copyright and database rig Colchester 20. Final PM TC TC Purpose of revision Drawn Check/d Rev/d	vi h
Nev. Dute	· · · · · · · · · · · · · · · · · · ·	1
	Jacobs	
	160 Dundee St, Edinburgh, EH11 1DQ, UK. Tet: +44(0)131 659 1500 www.jacobs.com	
Client Project	nationalgrid BRAMFORD TO TWINSTEAD	
Drawing Title	Proposed Project	
	Page 3 of 3	
Drawing Status	Final	_
Scale @ A3	1:35,000 DO NOT Se	2
Jacobs No.	B2416601	_
Client No. Drawing No.		_
	AAA_B2B_04_Proposed_Development	
© Copyright 202 document are the without the writt Limitation: This Client, and is sult Jacobs and the C	1 Jacobs U.K. Limited. The concepts and information contained in this e property of Jacobs. Use or copying of this document in whole or in par en permission of Jacobs constitutes an infringement of copyright. drawing has been prepared on behalf of, and for the exclusive use of Jaco spect to, and issued in accordance with, the provisions of the contract beth lient. Jacobs accepts no liability or responsibility whatsoever for, or in re	: we



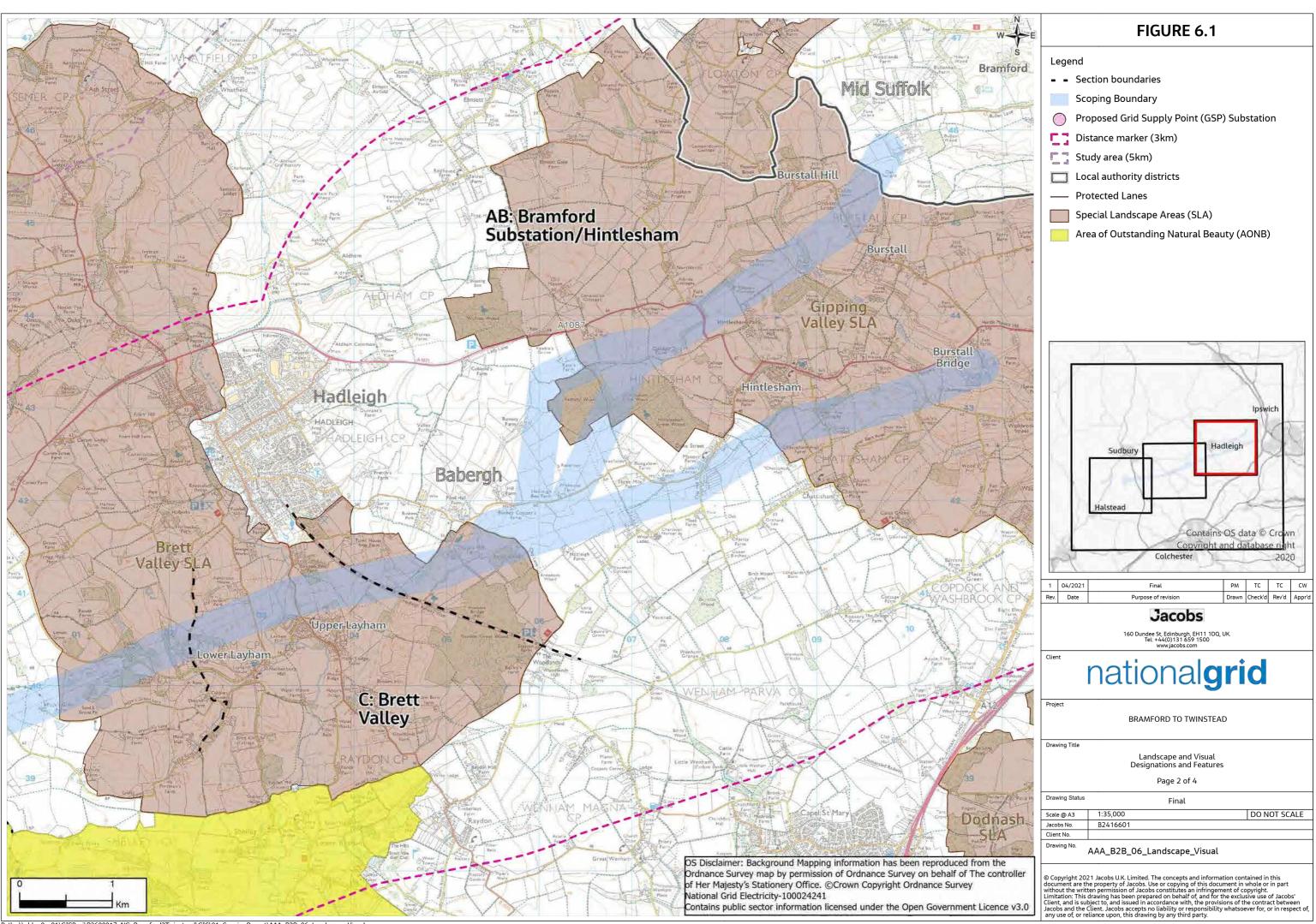
Path: \\gblon0vs01\GISProj\B2600017_NG_Bramford2Twinstead\GIS\01_ScopingReport\AAA_B2B_06_Landscape_Visual.aprx

FIGURE 6.1

Legend

- Section boundaries
- Scoping Boundary
- Proposed Grid Supply Point (GSP) Substation
- Distance marker (3km)
- **L** Study area (5km)
- Local authority districts
- Protected Lanes
- Country Parks
- 💋 Stour Valley Project Area
- Special Landscape Areas (SLA)
 - Registered Parks and Gardens
 - Area of Outstanding Natural Beauty (AONB)

	N.X.	1		1		2
	1	ontains vrìght a		100 million - 100	Crow	ht
1 04/2021	Final		PM	тс	тс	CW
Rev. Date	Purpose of revision		Drawn	Check'd	Rev'd	Appr'd
	Jacobs 160 Dundee St, Edinburgh, EH111 1DD, UK. Tet: +44(0)1316 559 1500 www.jacobs.com					
Project	BRAMFORD TO TW	/INSTEA	D			
Drawing Title Landscape and Visual Designations and Features Page 1 of 4						
Drawing Status	Drawing Status Final					
Scale @ A3				ALE		
Jacobs No.	s No. B2416601					
Client No. Drawing No.						
© Copyright 2021 Jacobs U.K. Limited. The concepts and information contained in this document are the property of Jacobs. Use or copying of this document in whole or in part without the written permission of Jacobs constitutes an infringement of copyright. Limitation: This drawing has been prepared on behalf of, and for the exclusive use of Jacobs' Client, and is subject to, and issued in accordance with, the provisions of the contract between Jacobs and the Client. Jacobs accepts no liability or responsibility whatsoever for, or in respect of, any use of, or reliance upon, this drawing by any third party.						



Path: \\gblon0vs01\GISProj\B2600017_NG_Bramford2Twinstead\GIS\01_ScopingReport\AAA_B2B_06_Landscape_Visual.aprx

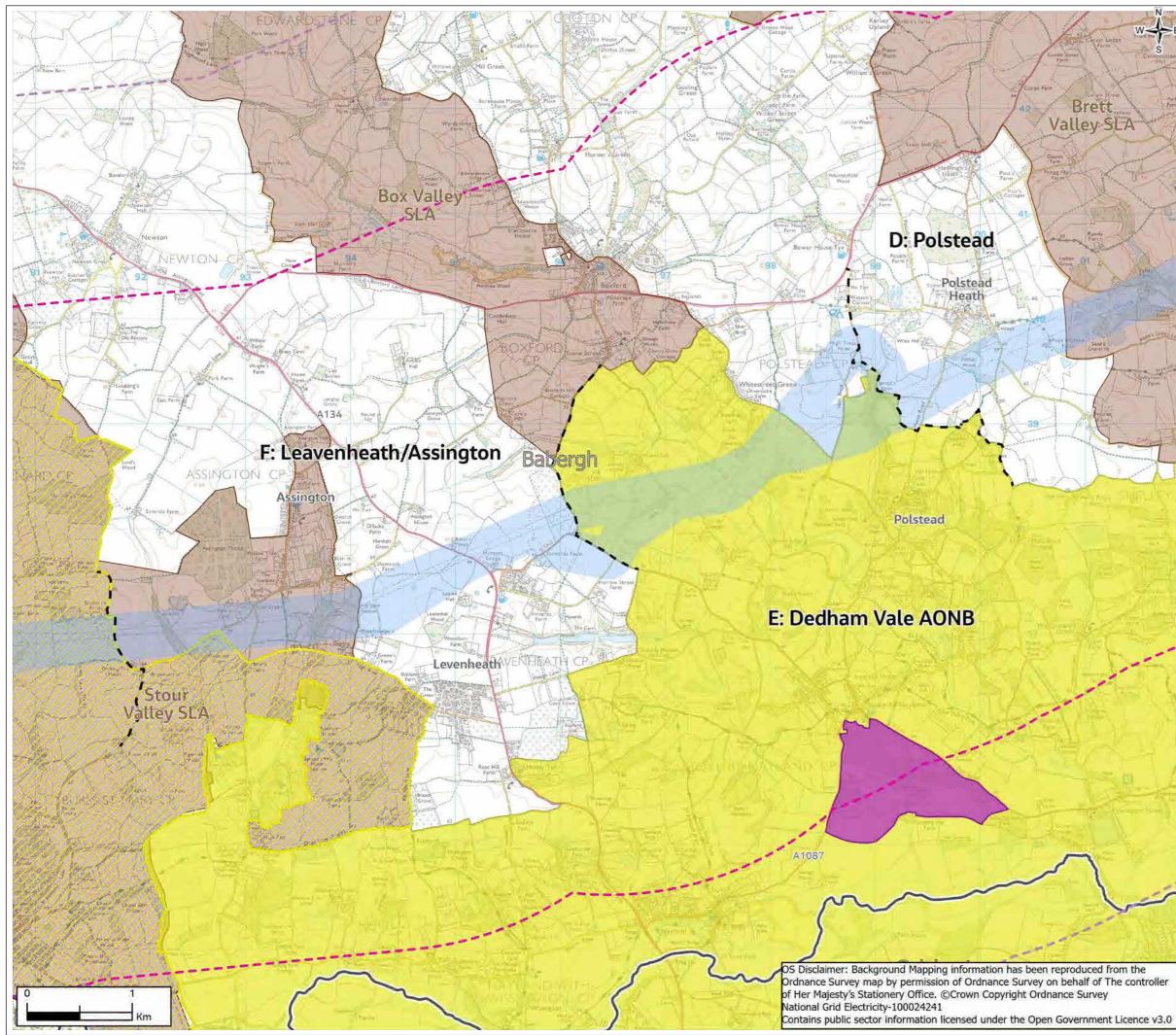
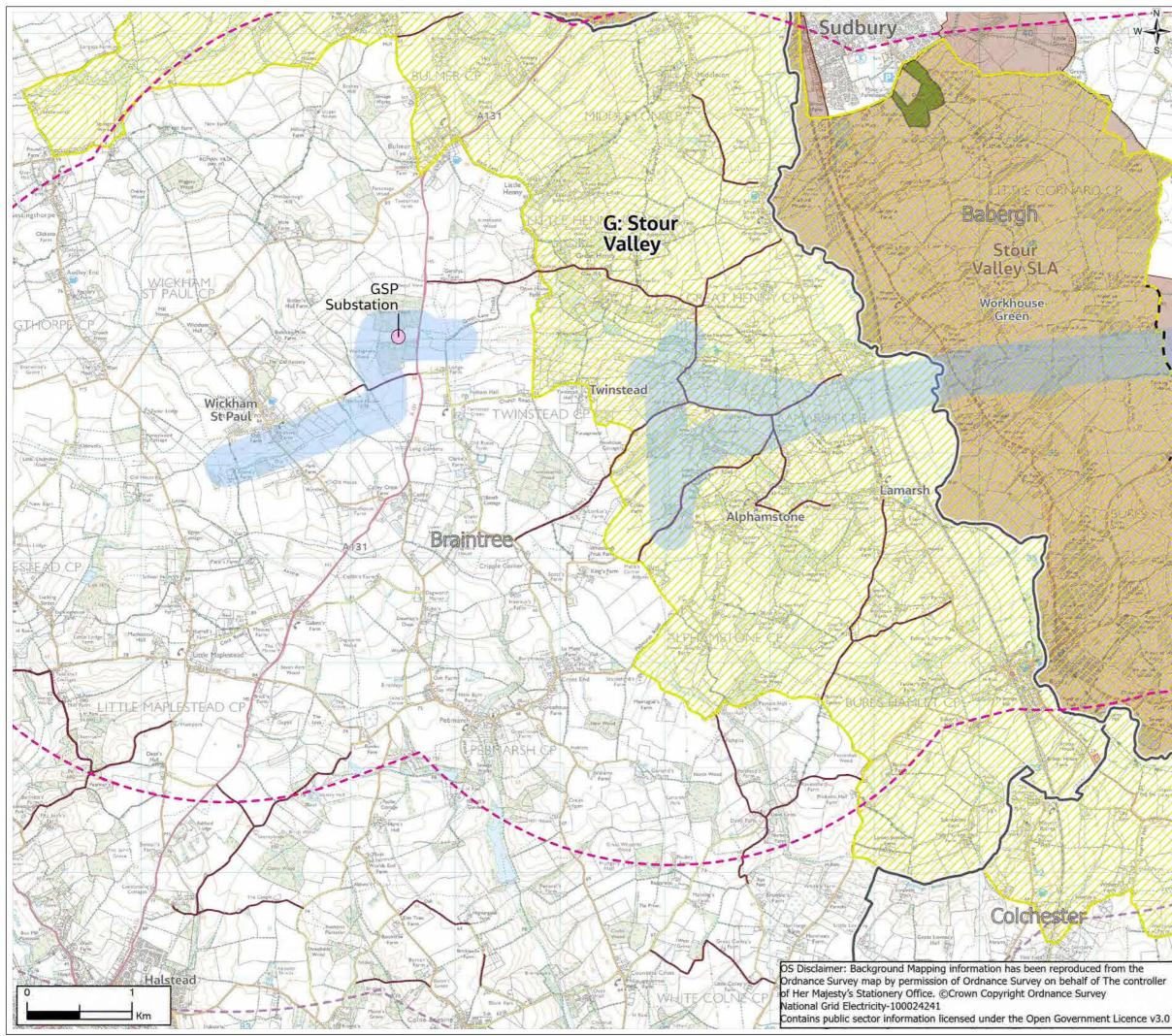


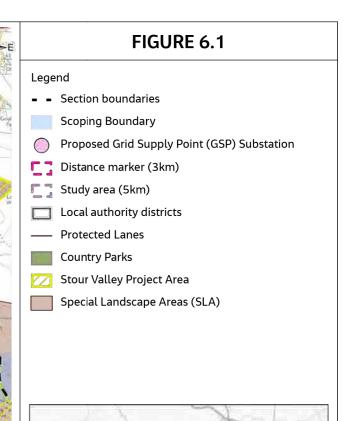
FIGURE 6.1

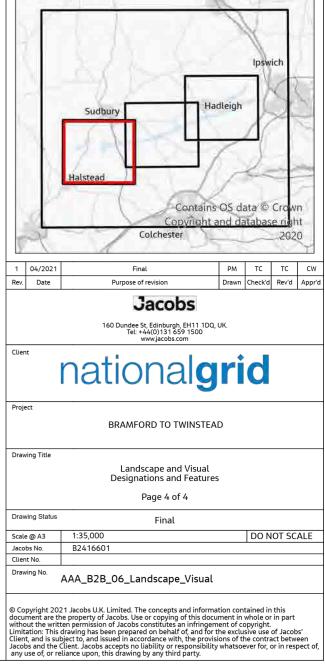
Legend

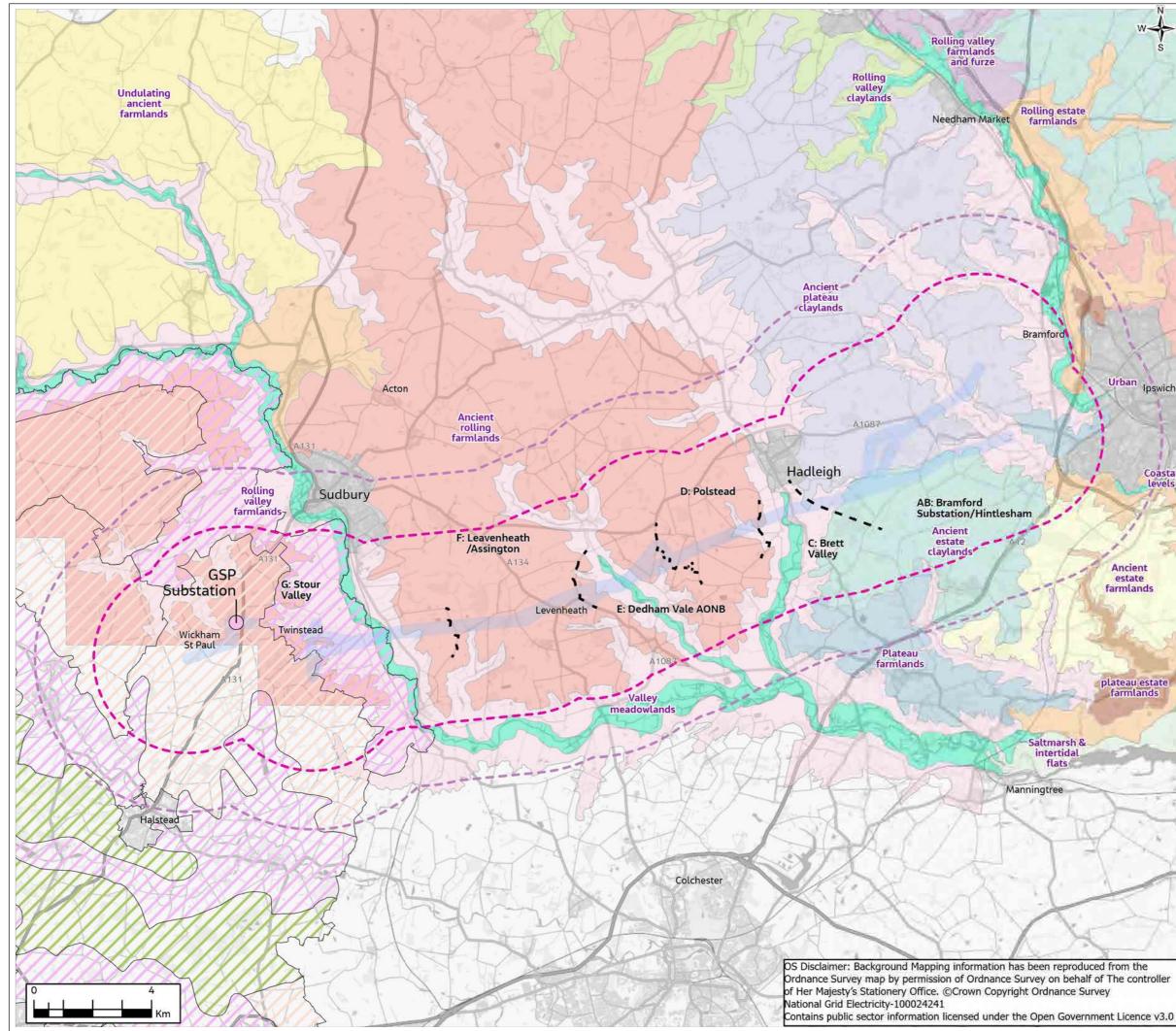
- Section boundaries
- Scoping Boundary
- Proposed Grid Supply Point (GSP) Substation
- Distance marker (3km)
- **[]** Study area (5km)
- Local authority districts
- Protected Lanes
- 🗾 Stour Valley Project Area
- Special Landscape Areas (SLA)
- Registered Parks and Gardens
- Area of Outstanding Natural Beauty (AONB)

	7 N ~	N	-	1	
A L L L	Sudbury Halstead Cont Copyrit Colchester	tains			Crown
1 04/2021	Final		PM	тс	тс сw
Rev. Date	Purpose of revision		Drawn	Check'd	Rev'd Appr'd
	Jaasha				I
	Jacobs				
	160 Dundee St, Edinburgh, EH11 Tel: +44(0)131 659 150 www.jacobs.com	1 1DQ, U 00	JK.		
Client	national	g	ri	d	
Project	BRAMFORD TO TWINS	STEAD)		
Drawing Title					
	Landscape and Visual Designations and Features				
	Page 3 of 4				
Drawing Status	Final				
Scale @ A3	1:35,000			DO N	OT SCALE
Jacobs No.	B2416601				
Client No.					
Drawing No.	AAA_B2B_06_Landscape_Vis	sual			
© Copyright 202 document are th without the writt Limitation: This Client, and is sut Jacobs and the (any use of, or re	21 Jacobs U.K. Limited. The concepts and in the property of Jacobs. Use or copying of this ren permission of Jacobs constitutes an infr drawing has been prepared on behalf of, an ject to, and issued in accordance with, the Litent. Jacobs accepts no liability or respon liance upon, this drawing by any third party	nformat is docun ringeme nd for th provisic isibility v y.	ion con nent in ent of co ne exclu ons of th whatsoe	tained in whole or opyright. sive use ne contra ever for, o	this in part of Jacobs' act between or in respect of,



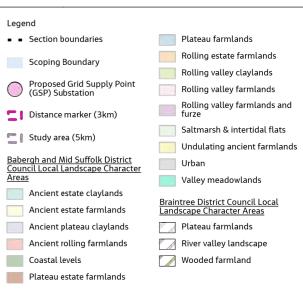


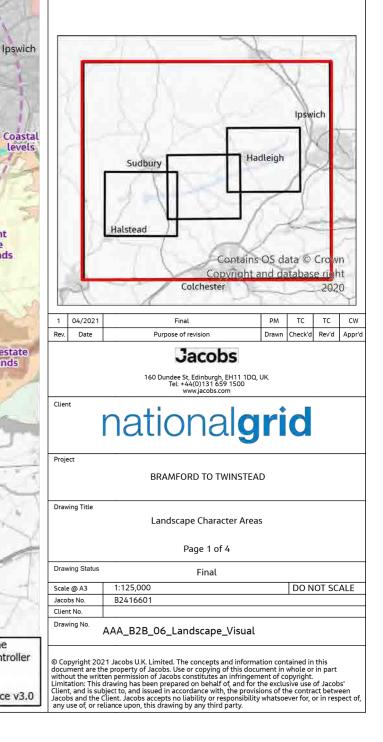


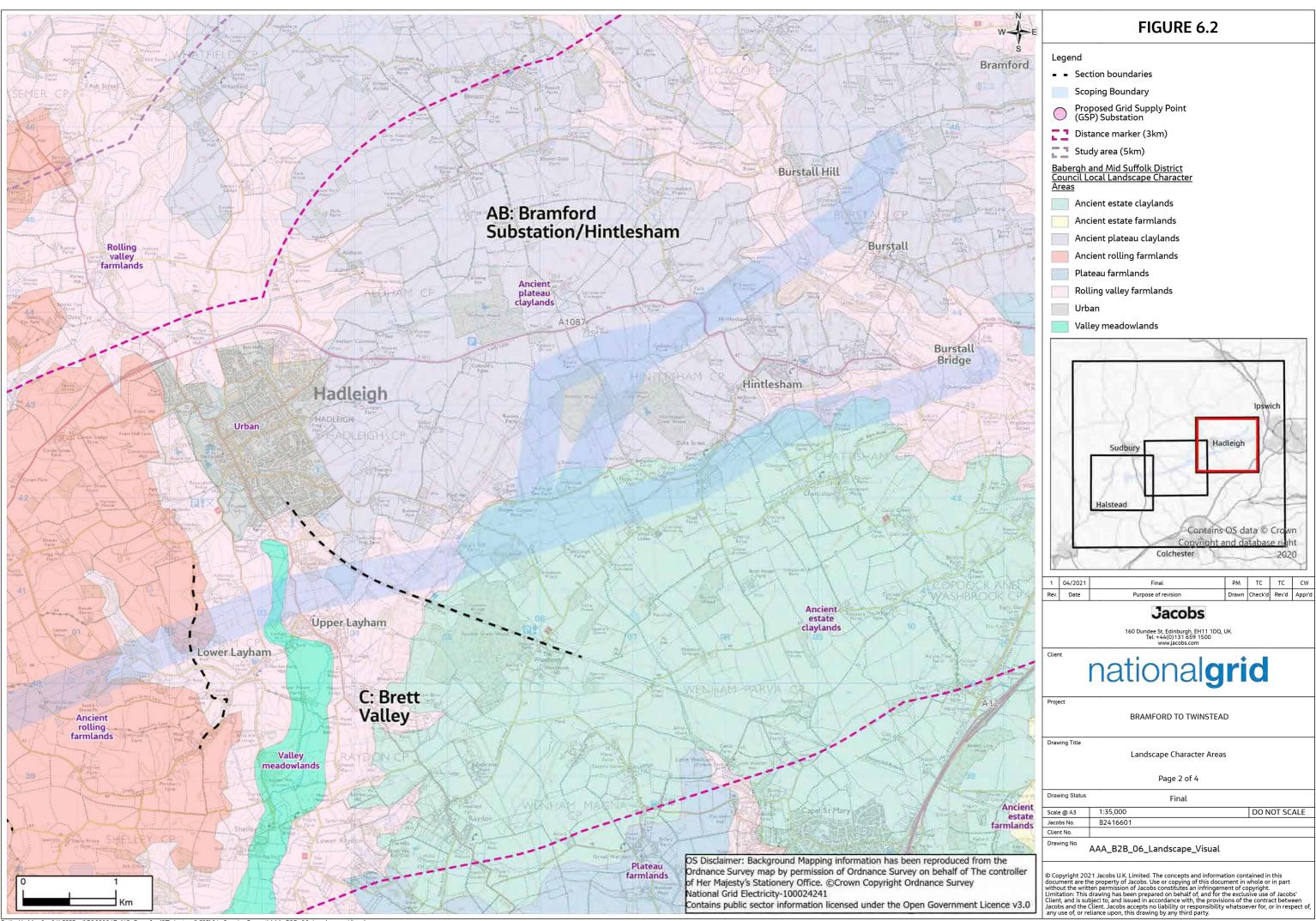


Path: \\gblon0vs01\GISProj\B2600017_NG_Bramford2Twinstead\GIS\01_ScopingReport\AAA_B2B_06_Landscape_Visual.aprx

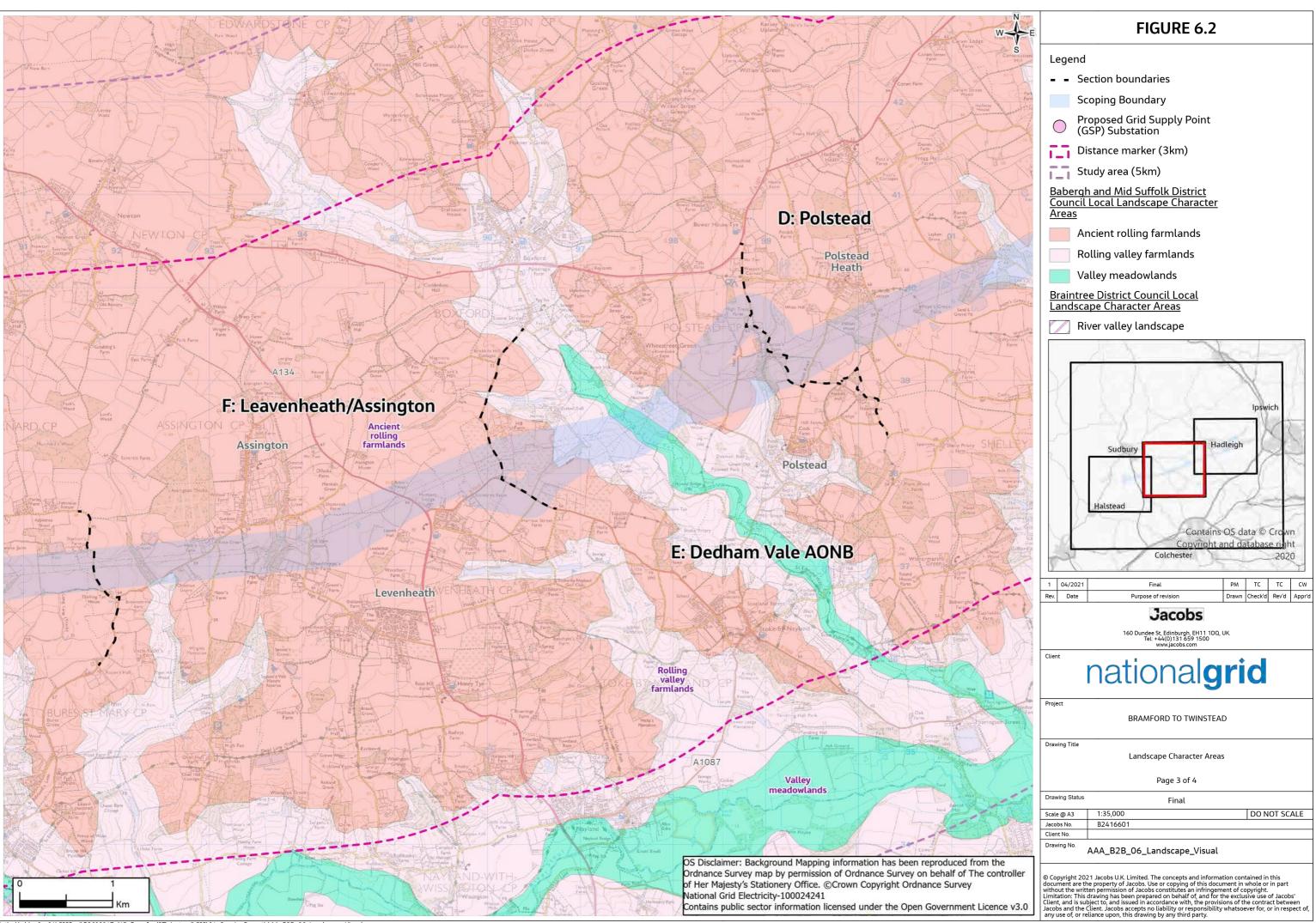
FIGURE 6.2



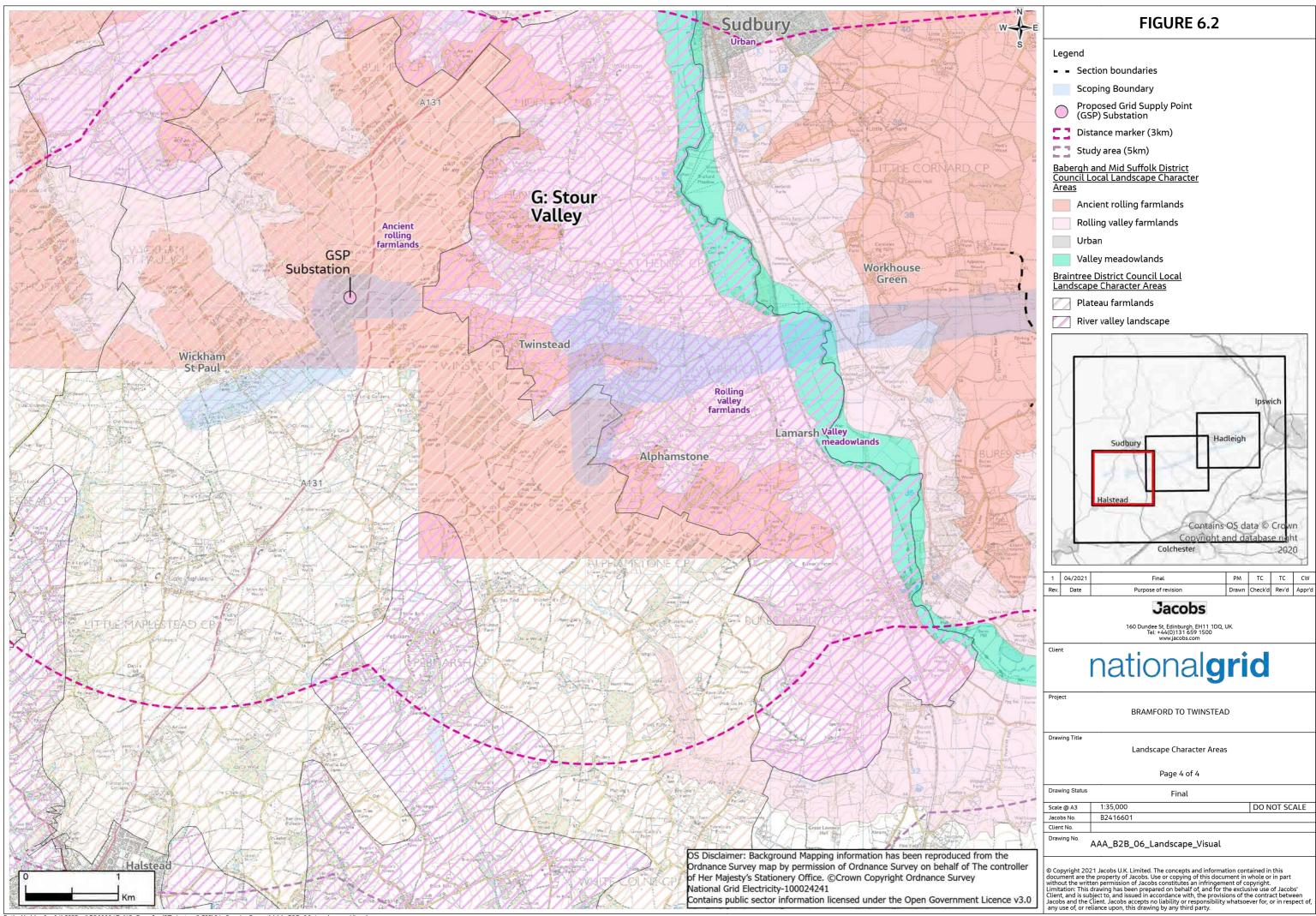




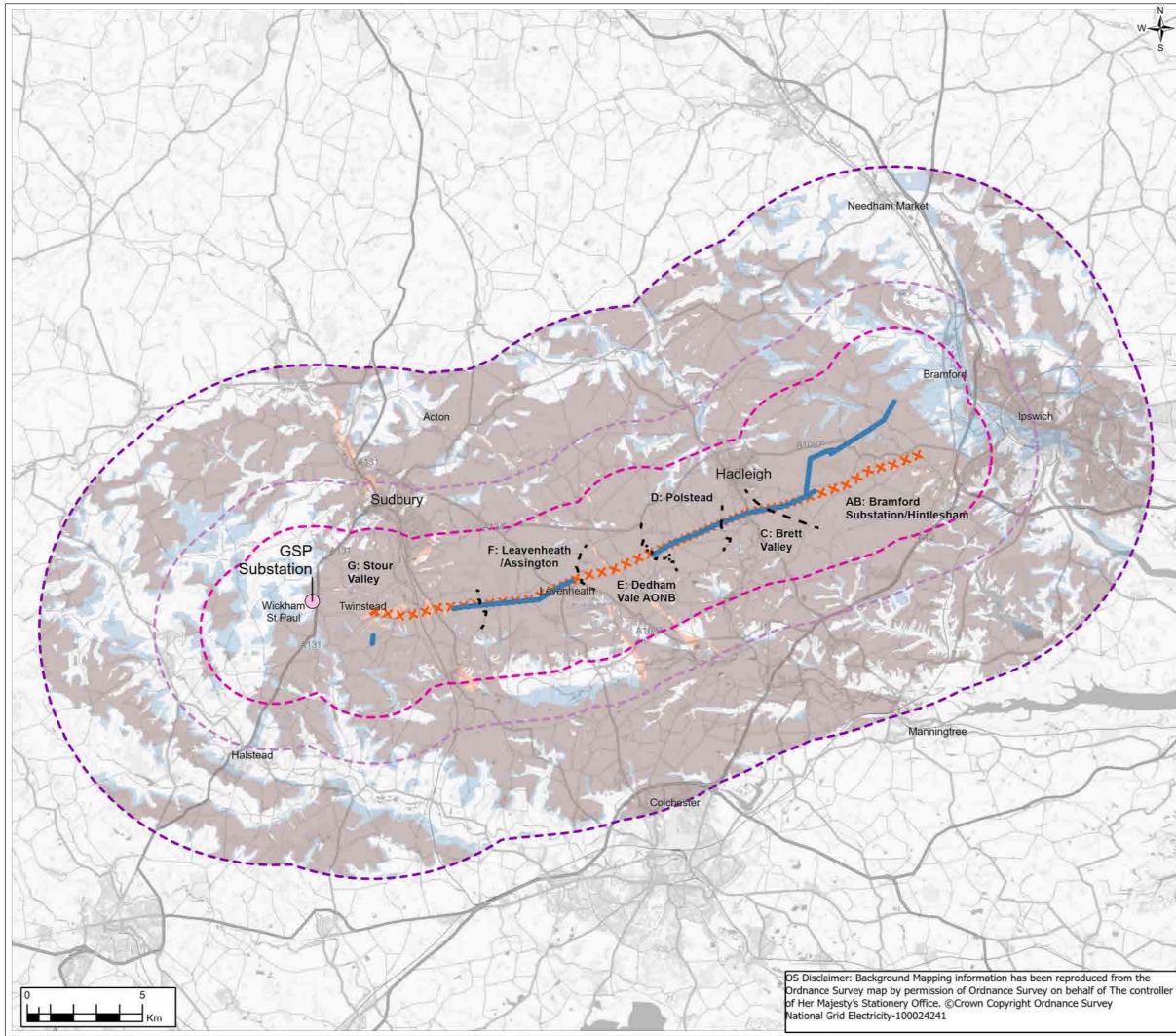
Path: \\gblon0vs01\GISProj\B2600017_NG_Bramford2Twinstead\GIS\01_ScopingReport\AAA_B2B_06_Landscape_Visual.aprx



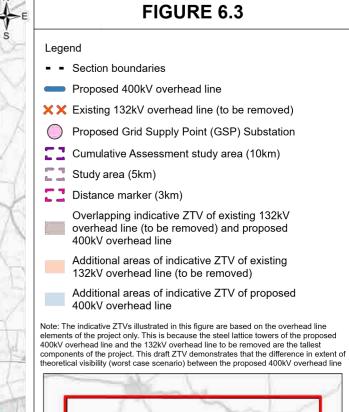
Path: \\gblon0vs01\GISProj\B2600017_NG_Bramford2Twinstead\GIS\01_ScopingReport\AAA_B2B_06_Landscape_Visual.aprx



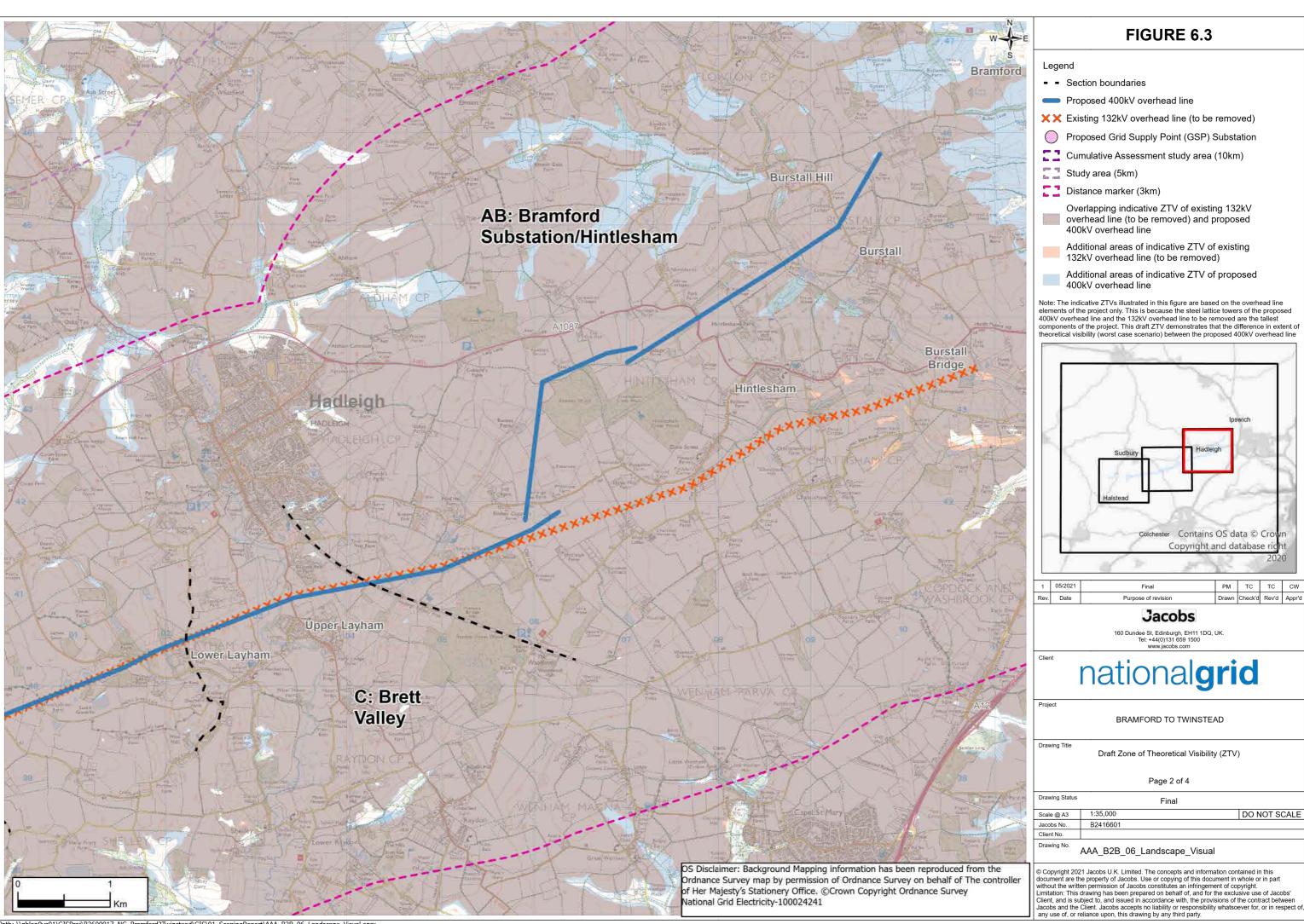
Path: \\gblon0vs01\GISProj\B2600017_NG_Bramford2Twinstead\GIS\01_ScopingReport\AAA_B2B_06_Landscape_Visual.aprx



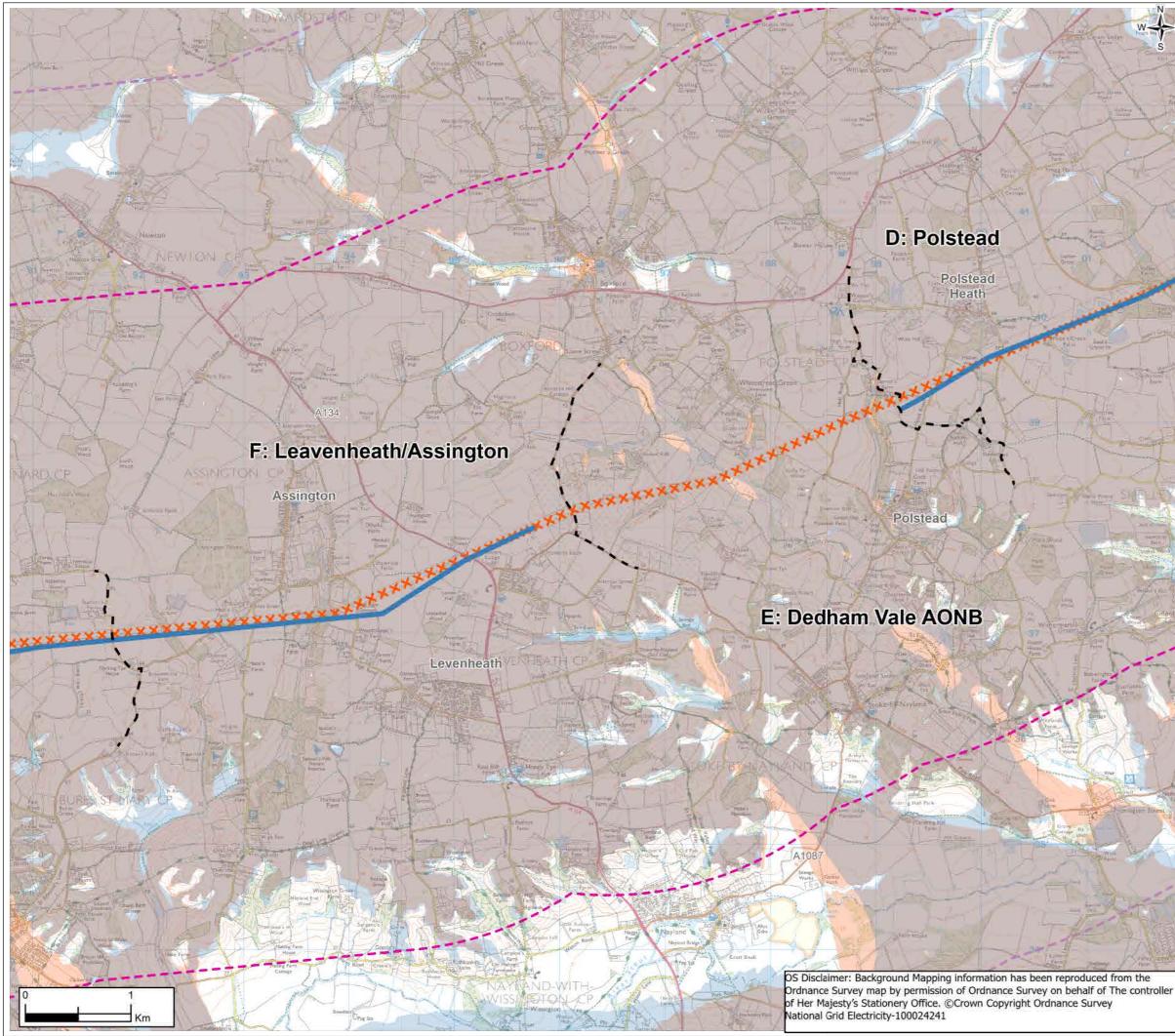
L Path: \\gblon0vs01\GISProj\B2600017_NG_Bramford2Twinstead\GIS\01_ScopingReport\AAA_B2B_06_Landscape_Visual.aprx



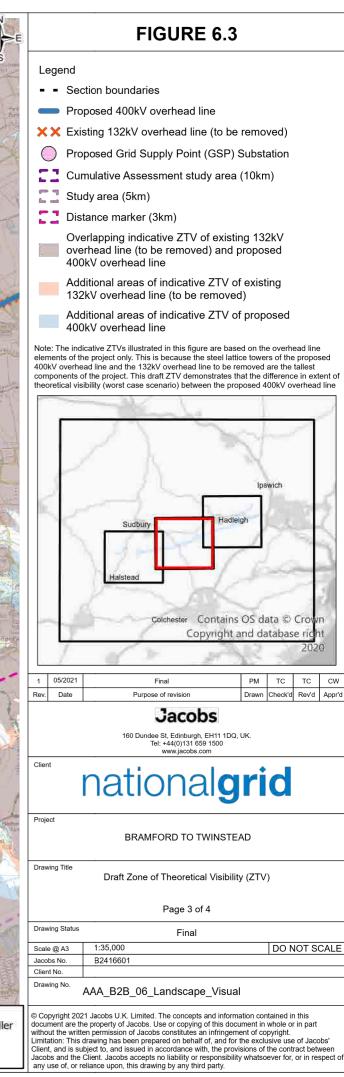
N.S.	Sudbury	Hadleigh	wich	Lever.		
1 05/2021	and the second	ontains OS da yright and da		ŧ		
Rev. Date	Purpose of revision		Check'd Rev'd	Appr'd		
Project	160 Dundee St, Edinburgh, J Tel: +44(0)131 659 www.jacobs.co	l gri	d			
Drawing Title Draft Zone of Theoretical Visibility (ZTV) Page 1 of 4						
Drawing Status	Final					
Scale @ A3	1:160,000		DO NOT S	CALE		
Jacobs No.	B2416601					
Client No.						
Drawing No.	AAA_B2B_06_Landscape	_Visual				
© Copyright 2021 Jacobs U.K. Limited. The concepts and information contained in this document are the property of Jacobs. Use or copying of this document in whole or in part without the written permission of Jacobs constitutes an infringement of copyright. Limitation: This drawing has been prepared on behalf of, and for the exclusive use of Jacobs' Client, and is subject to, and issued in accordance with, the provisions of the contract between Jacobs and the Client. Jacobs accepts no liability or responsibility whatsoever for, or in respect of, any use of, or reliance upon, this drawing by any third party.						

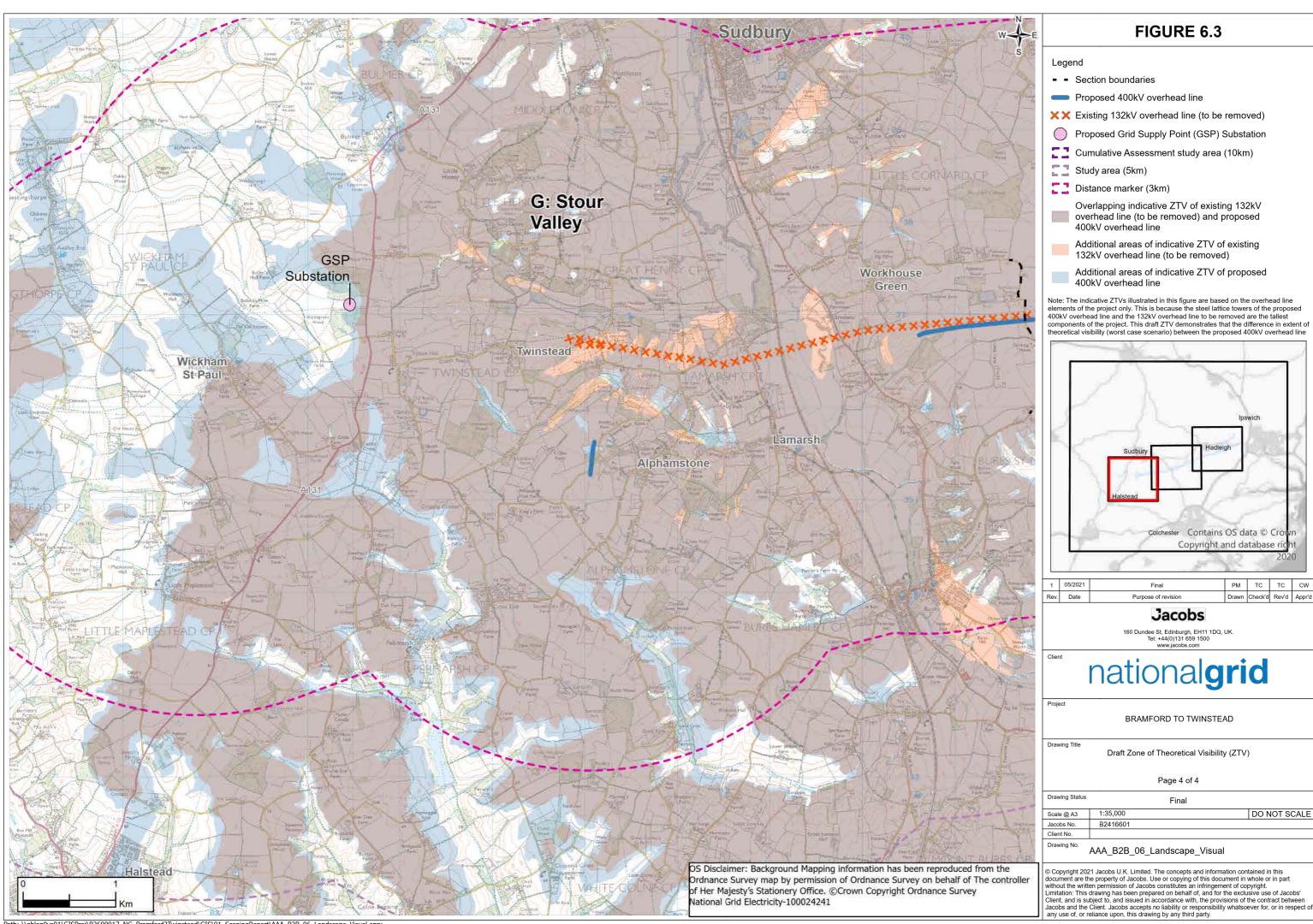


Path: \\gblon0vs01\GISProj\B2600017_NG_Bramford2Twinstead\GIS\01_ScopingReport\AAA_B2B_06_Landscape_Visual.aprx

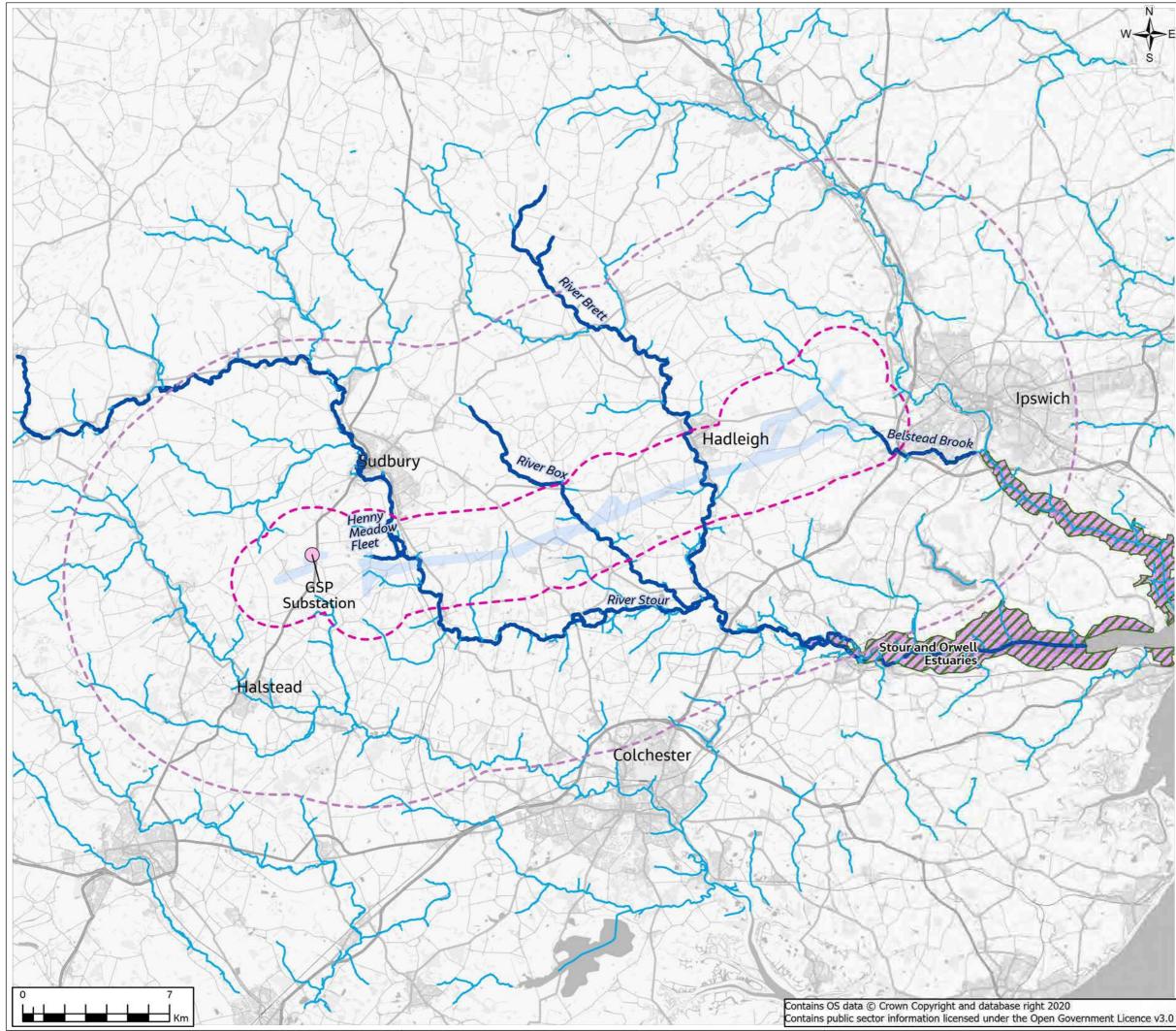


Path: \\gblon0vs01\GISProj\B2600017_NG_Bramford2Twinstead\GIS\01_ScopingReport\AAA_B2B_06_Landscape_Visual.aprx





Path: \\gblon0vs01\GISProj\B2600017_NG_Bramford2Twinstead\GIS\01_ScopingReport\AAA_B2B_06_Landscape_Visual.aprx



Path: \\gblon0vs01\GISProj\B2600017_NG_Bramford2Twinstead\GIS\01_ScopingReport\AAA_B2B_07_Biodiversity.aprx

FIGURE 7.1

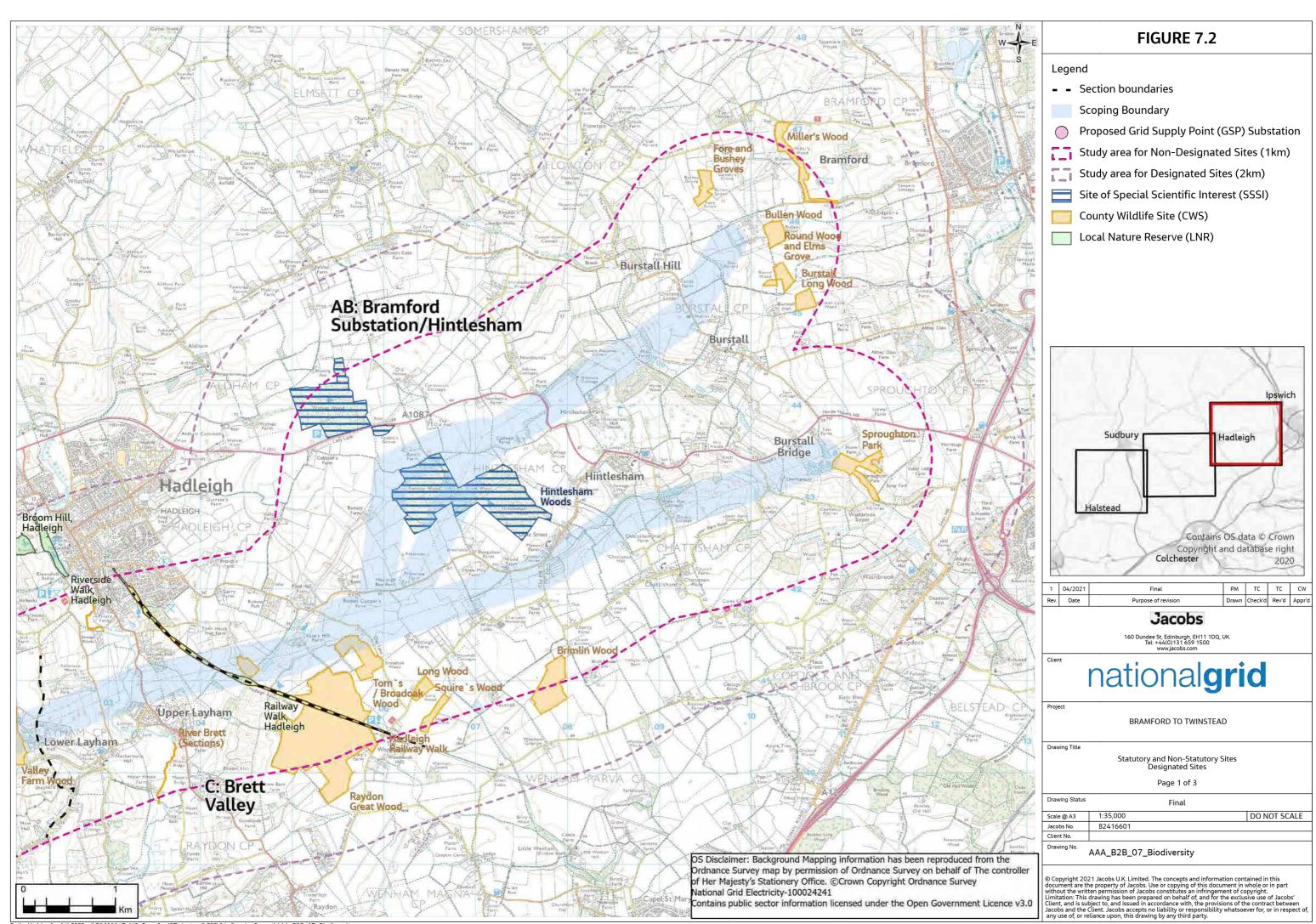
Legend

6

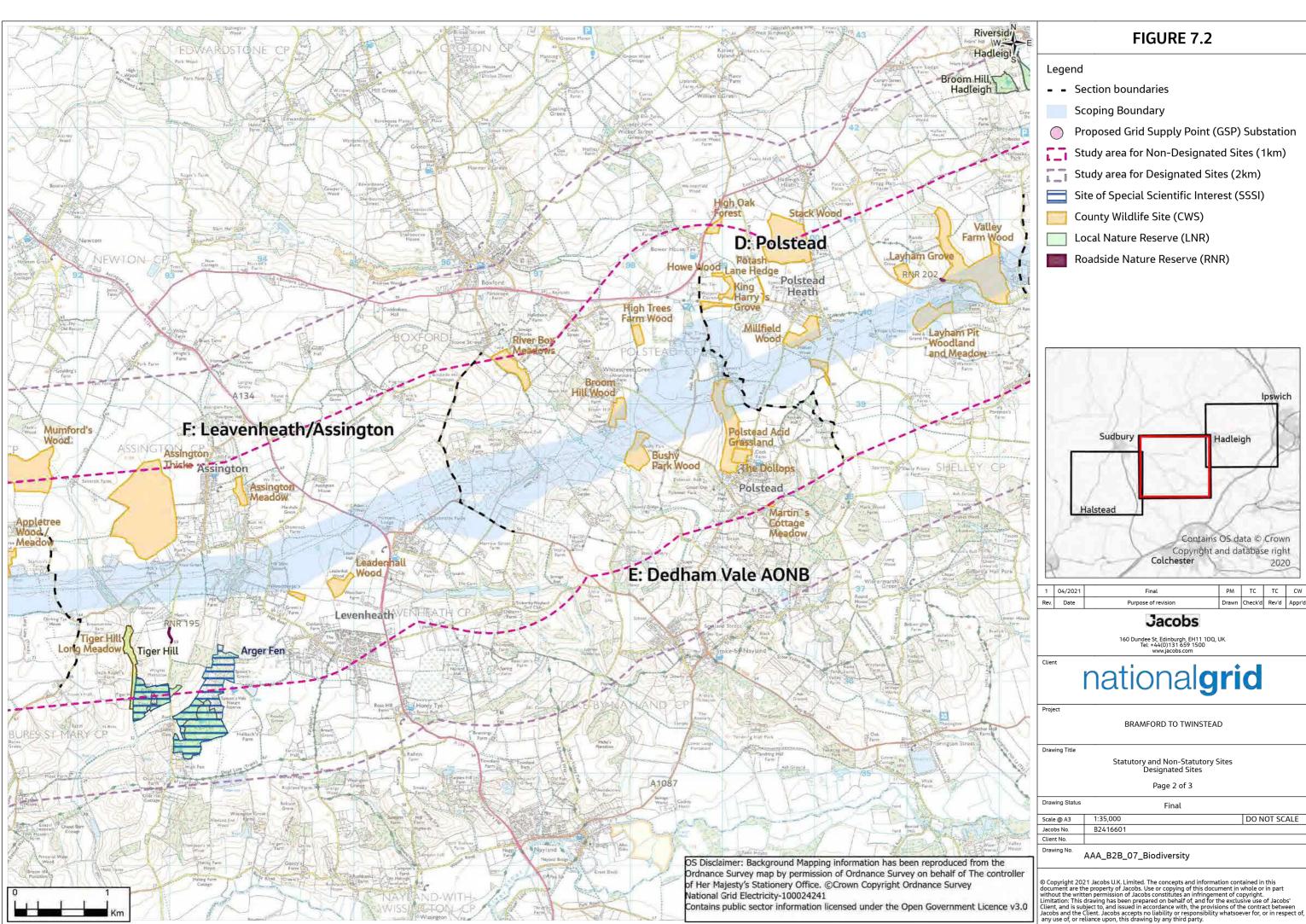
Scoping Boundary

- Proposed Grid Supply Point (GSP) Substation
- Study area for European Designated Sites (2km)
- Study area for Hydrological Connections to European Designated Sites (10km)
- Wetlands of International Importance (RAMSARs)
 - Special Protection Areas (SPA)
- Main Rivers
- Non-Main Rivers

	Sudbury Halstead Colchester	swi :h					
1 04/2021	Final	PM	тс	тс	CW		
Rev. Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd		
	Jacobs	JK.					
	160 Dundee St, Edinburgh, EH11 1DQ, L Tel: +44(0)131 659 1500 www.jacobs.com						
Client							
Project	Project BRAMFORD TO TWINSTEAD						
Drawing Title	Drawing Title European Designated Sites						
Danuta Ci f	Page 1 of 1						
	Drawing Status Final						
Scale @ A3 1:175,000			DO N	OT SC	ALE		
Jacobs No. Client No.	B2416601						
Drawing No.							
© Copyright 2021 Jacobs U.K. Limited. The concepts and information contained in this document are the property of Jacobs. Use or copying of this document in whole or in part without the written permission of Jacobs constitutes an infringement of copyright. Limitation: This drawing has been prepared on behalf of, and for the exclusive use of Jacobs' Client, and is subject to, and issued in accordance with, the provisions of the contract between Jacobs and the Client. Jacobs accepts no liability or responsibility whatsoever for, or in respect of, any use of, or reliance upon, this drawing by any third party.							

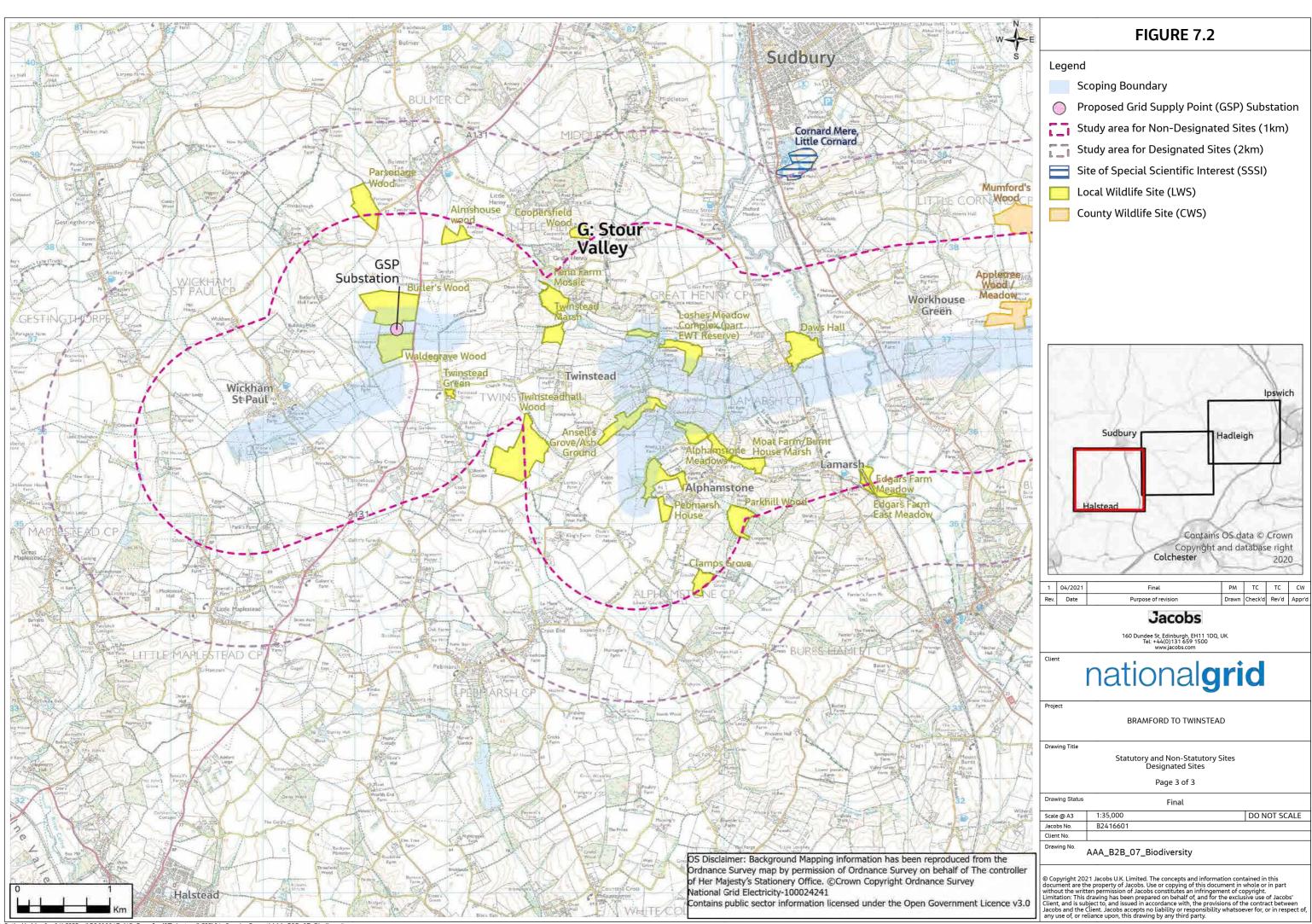


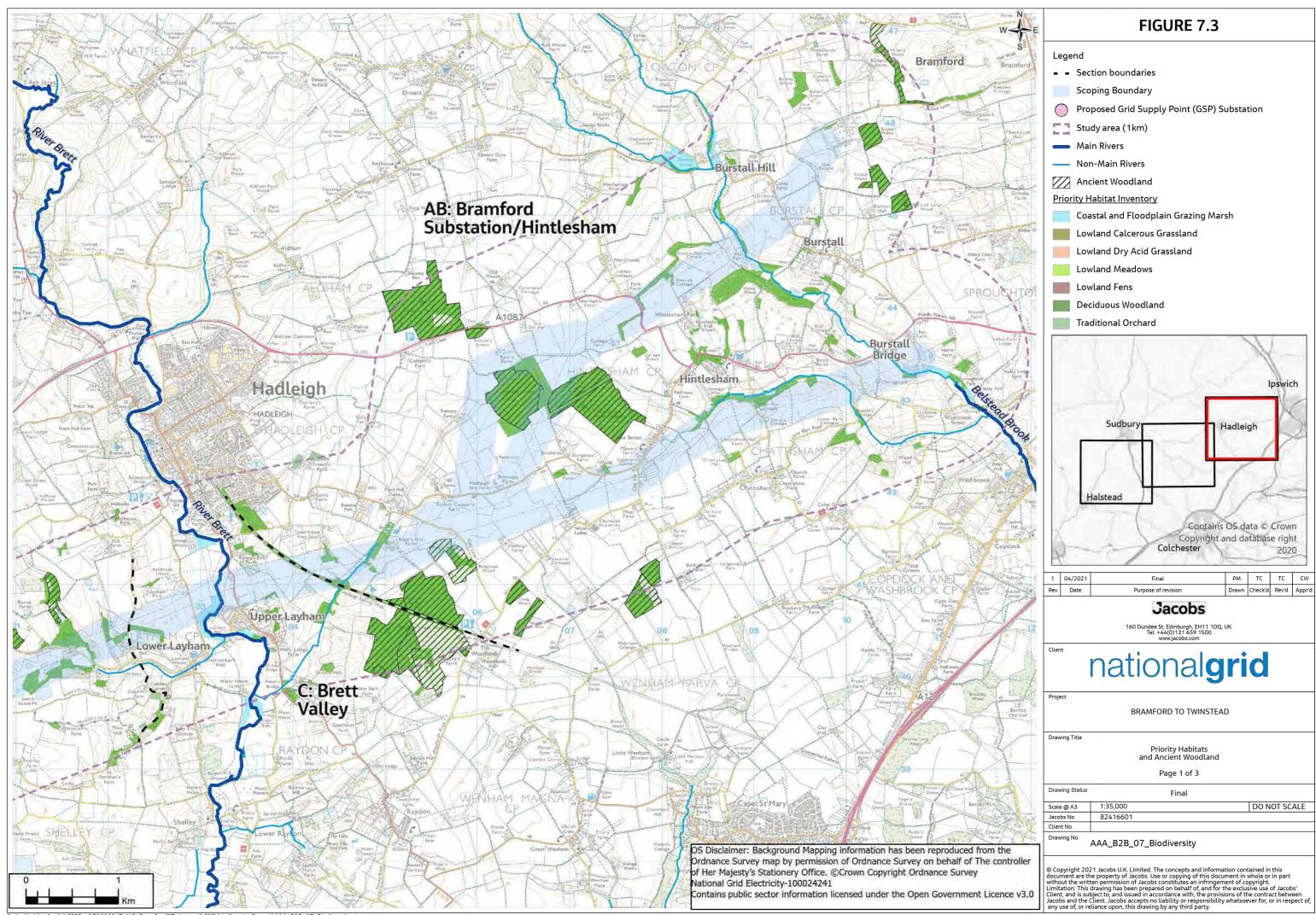
Path: \\gblon0vs01\GISProj\B2600017_NG_Bramford2Twinstead\GIS\01_ScopingReport\AAA_B2B_07_Biodiversity.aprx



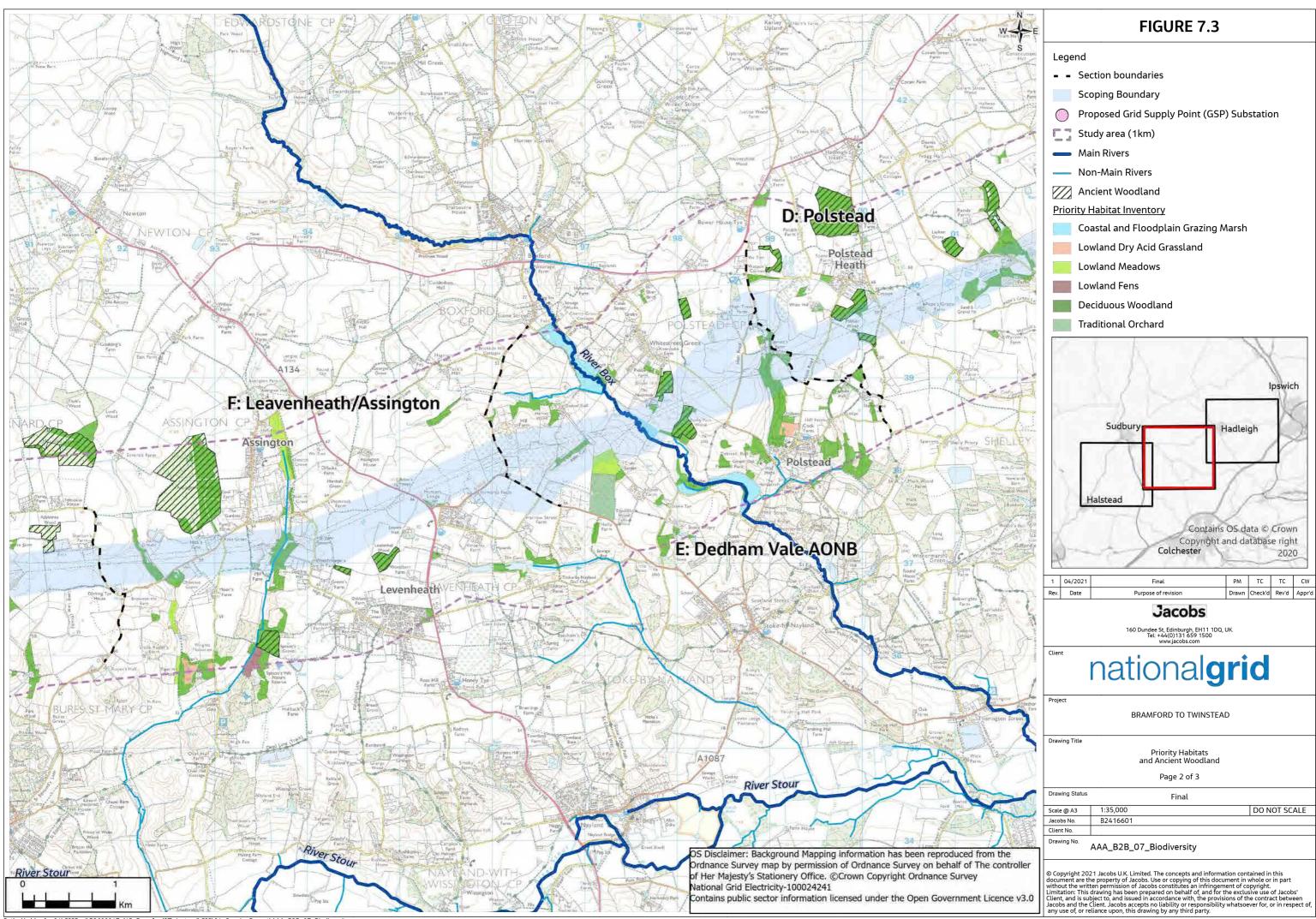
^{\\}gblon0vs01\GISProj\B2600017_NG_Bramford2Twinstead\GIS\01_ScopingReport\AAA_B2B_07_Biodiversity.aprx

I

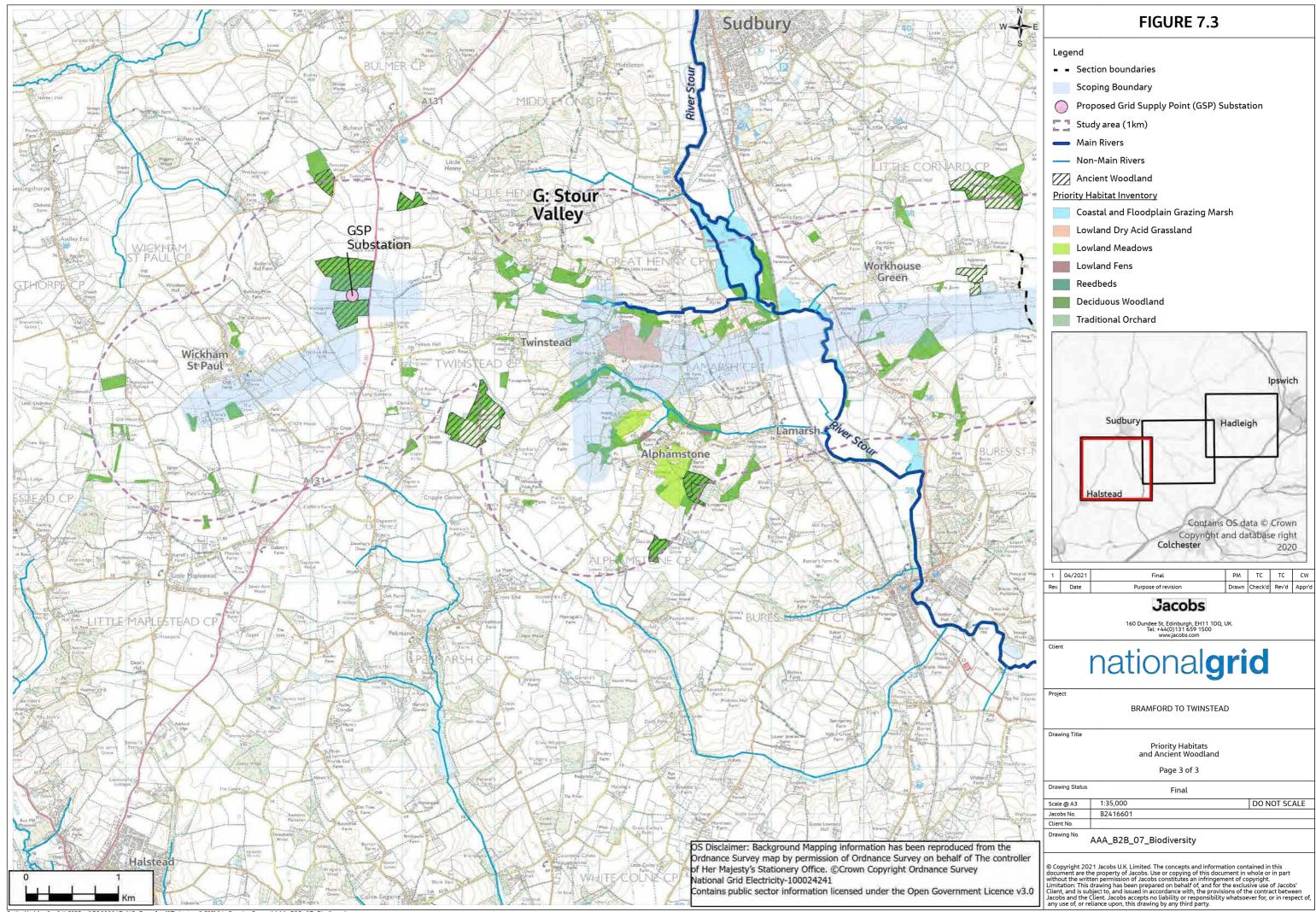




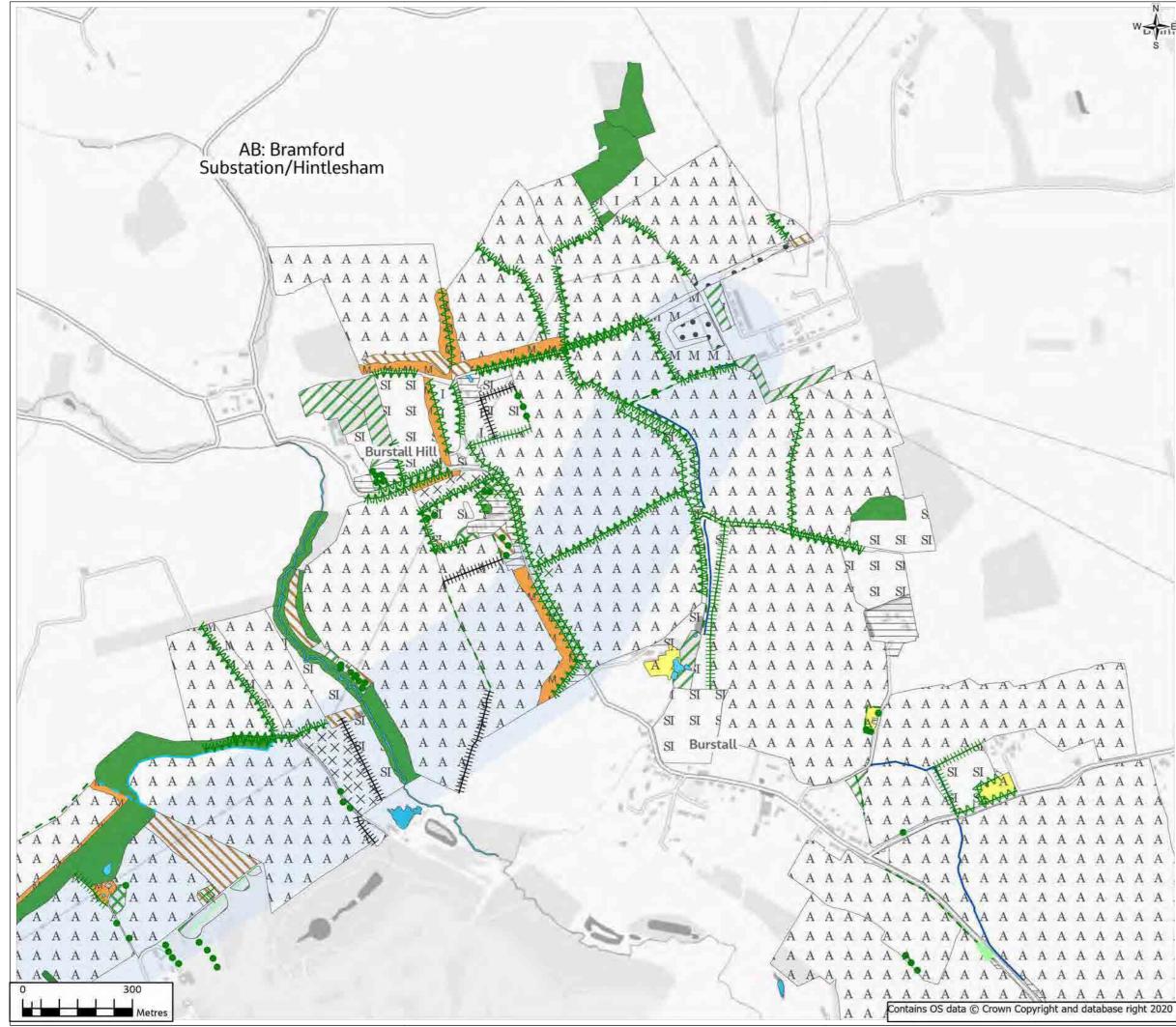
Path: \\gblon0vs01\GISProj\B2600017_NG_Bramford2Twinstead\GIS\01_ScopingReport\AAA_B2B_07_Biodiversity.aprx



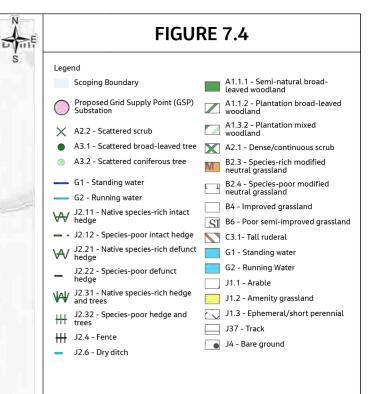
Path: \\gblon0vs01\GISProj\B2600017_NG_Bramford2Twinstead\GIS\01_ScopingReport\AAA_B2B_07_Biodiversity.aprx



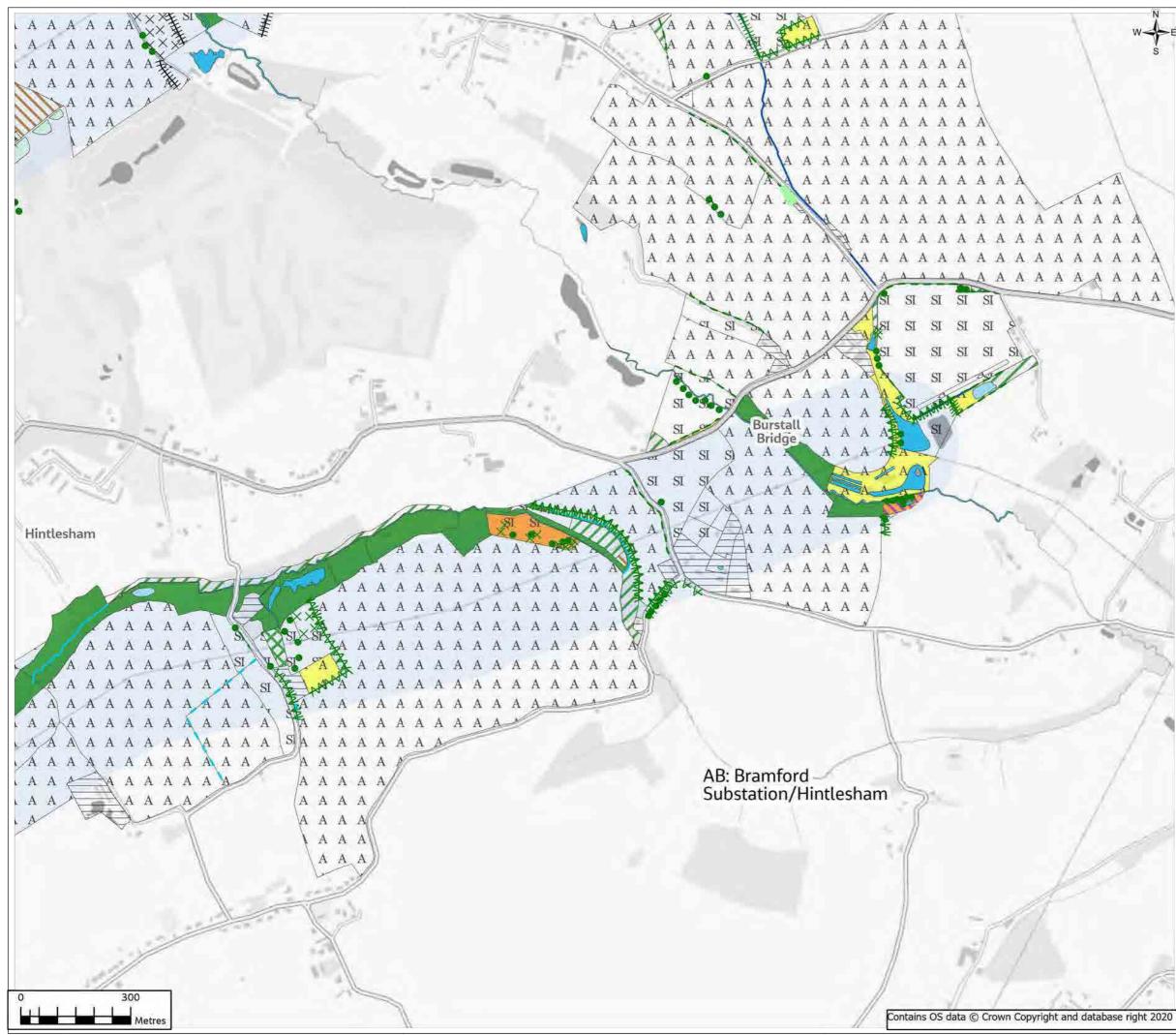
Path: \\gblon0vs01\GISProj\B2600017_NG_Bramford2Twinstead\GIS\01_ScopingReport\AAA_B2B_07_Biodiversity.aprx



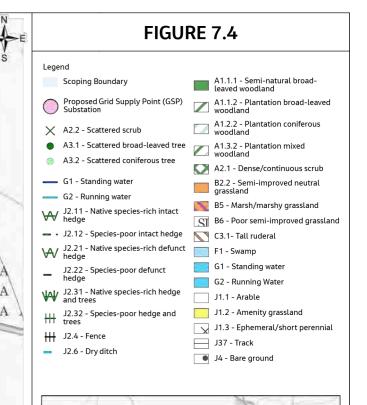
Path: \\gblon0vs01\GISProj\B2600017_NG_Bramford2Twinstead\GIS\01_ScopingReport\AAA_B2B_07_Biodiversity.aprx



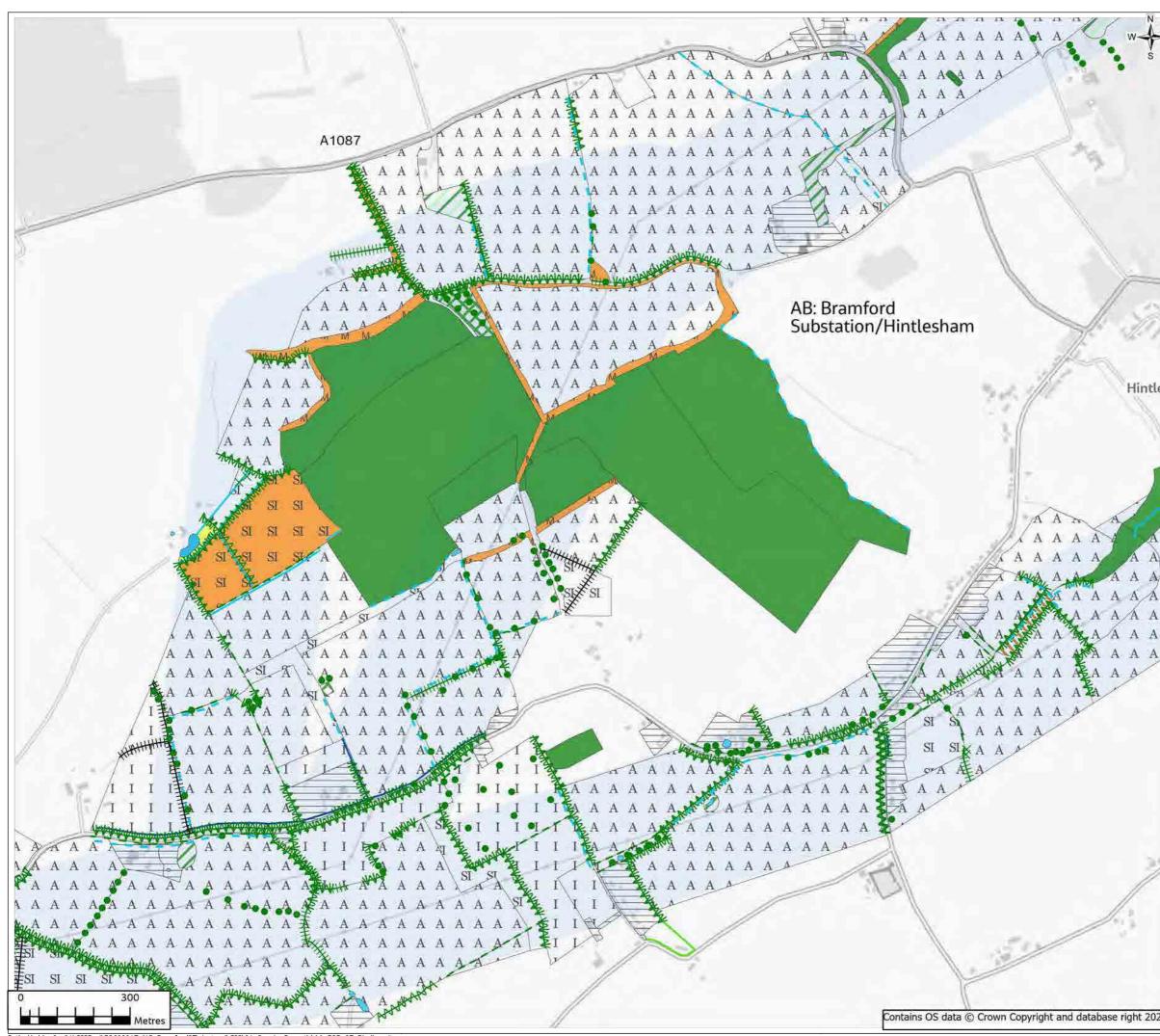
1	$1 - \chi$		1	S.	
	Sudbury			Ipswich	
25	~	Colchester	1	- no	
1 04/2021		Final	PM	тс тс сw	
Rev. Date	Purpose	e of revision	Drawn	Check'd Rev'd Appr'd	
		Jacobs			
	160 Dunde Te	ee St, Edinburgh, EH11 L: +44(0)131 659 150 www.jacobs.com	1DQ, UK. 0		
Client	natio	onal	gri	d	
Project					
	BRAM	FORD TO TWINS	STEAD		
Drawing Title					
	Pha	se 1 Habitat Sur	vey		
	Page 1 of 11				
Drawing Status		Final			
Scale @ A3	Scale @ A3 1:10,000 DO NOT SCALE				
Jacobs No.	Jacobs No. B2416601				
Client No.					
Drawing No.	AAA_B2B_07_E	Biodiversity			
© Copyright 202 document are th without the writt Limitation: This Client, and is sub Jacobs and the C any use of, or re	21 Jacobs U.K. Limited. te property of Jacobs. U ten permission of Jacob drawing has been prep- oject to, and issued in a Client. Jacobs accepts r tiance upon, this drawi	The concepts and in Jse or copying of this os constitutes an infri ared on behalf of, an ccordance with, the p io liability or respons ng by any third party	formation cont s document in ingement of co d for the exclu- provisions of th sibility whatsoe	tained in this whole or in part pyright. sive use of Jacobs' se contract between ever for, or in respect of,	



Path: \\gblon0vs01\GISProj\B2600017_NG_Bramford2Twinstead\GIS\01_ScopingReport\AAA_B2B_07_Biodiversity.aprx



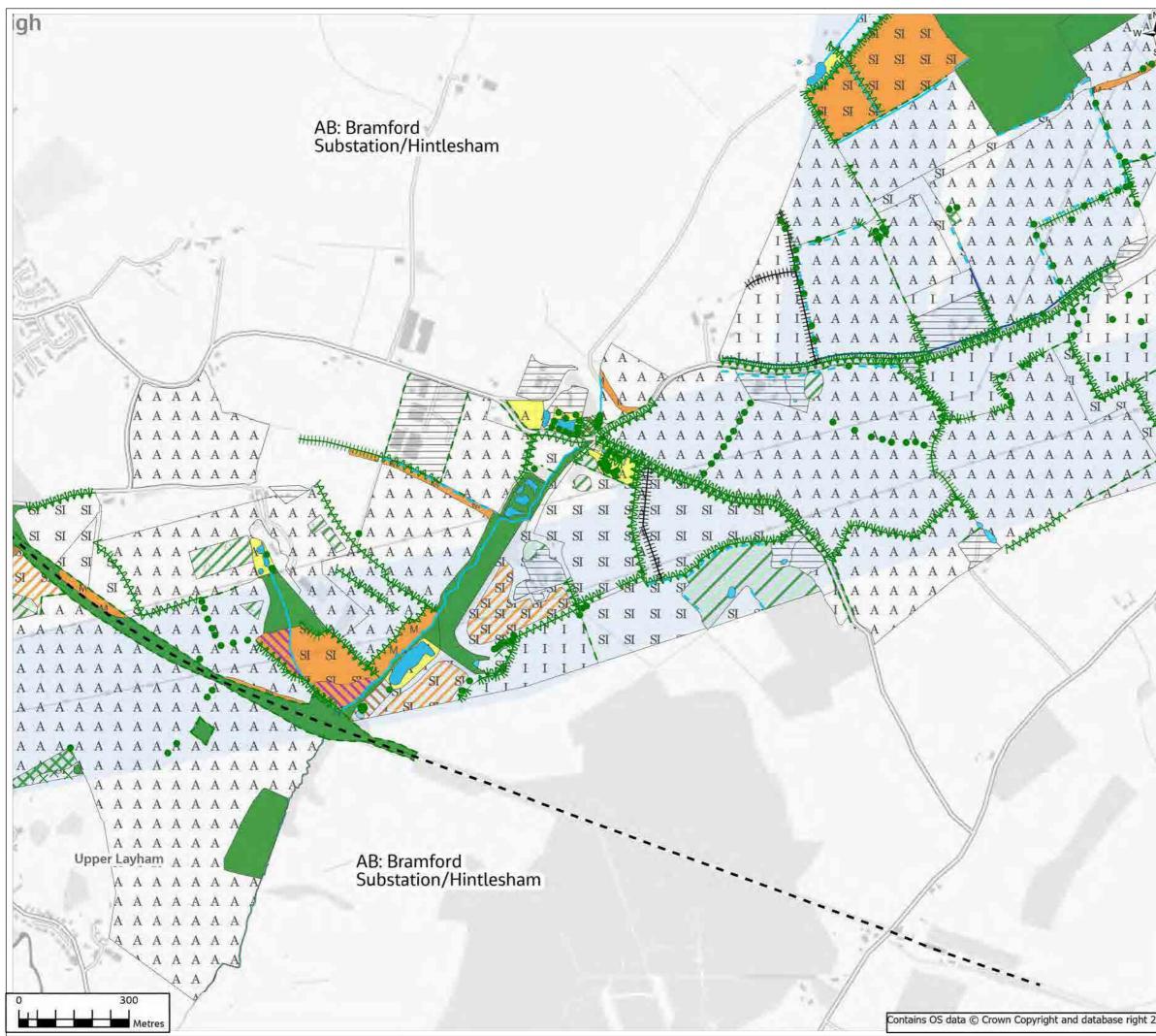
ŝ		Hadleigh	Γ		wich	1		
	Sudbury	Hadtelgr	51		γ	£		
	A CONTRACT		9	1	\geq			
×								
ł	Halstead							
5-	Colchest	ter	1	<				
1 04/2021	Final		PM	тс	тс	CW		
Rev. Date	Purpose of revision		Drawn	Check'd	Rev'd	Appr'd		
	Jacobs 160 Dundee St, Edinburgh, EH11 1DQ, UK. Tet +44(0)131 659 1500							
	Client nationalgrid							
Project	BRAMFORD TO T	WINSTEAI)					
Drawing Title		• C						
	Phase 1 Habita	t Survey						
	Page 2 of 11							
Drawing Status	Drawing Status Final							
Scale @ A3 1:10,000 DO NOT SCAL				ALE				
Jacobs No.	B2416601							
Drawing No	Client No. Drawing No. AAA_B2B_07_Biodiversity							
© Copyright 2021 Jacobs U.K. Limited. The concepts and information contained in this document are the property of Jacobs. Use or copying of this document in whole or in part without the written permission of Jacobs constitutes an infringement of copyright. Limitation: This drawing has been prepared on behalf of, and for the exclusive use of Jacobs' Client, and is subject to, and issued in accordance with, the provisions of the contract between Jacobs and the Client. Jacobs accepts no liability or responsibility whatsoever for, or in respect of, any use of, or reliance upon, this drawing by any third party.								



Path: \\gblon0vs01\GISProj\B2600017_NG_Bramford2Twinstead\GIS\01_ScopingReport\AAA_B2B_07_Biodiversity.aprx

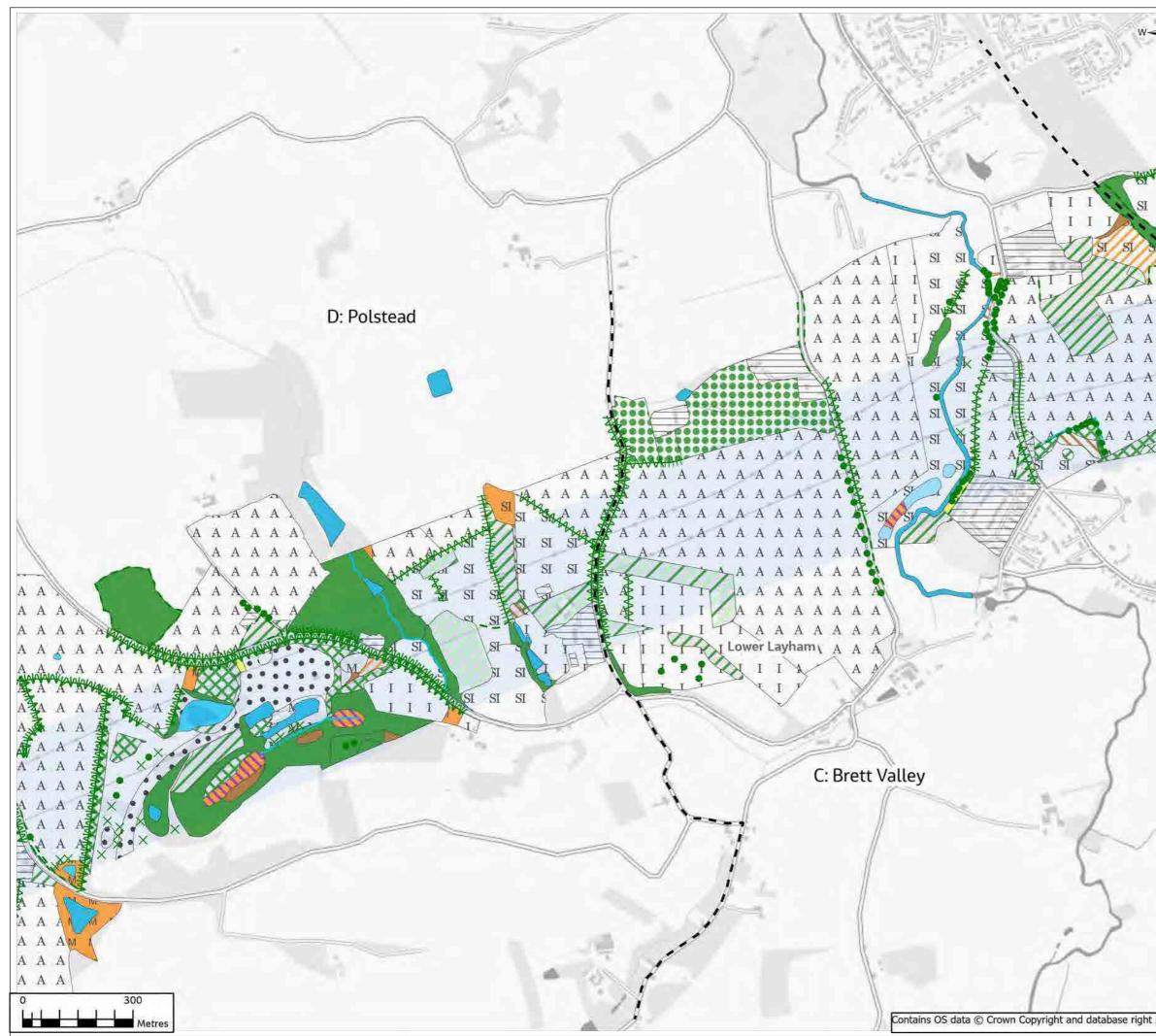
FIGURE 7.4						
Legend						
Scoping Boundary	A1.1.1 - Semi-natural broad- leaved woodland					
Proposed Grid Supply Point (GSP) Substation	A1.1.2 - Plantation broad-leaved woodland					
X A2.2 - Scattered scrub	A1.2.2 - Plantation coniferous woodland					
A3.1 - Scattered broad-leaved tree	A1.3.2 - Plantation mixed woodland					
Conifer Hedge	A2.1 - Dense/continuous scrub					
G1 - Standing water	B2.2 - Semi-improved neutral grassland					
G2 - Running water	5					
J2.11 - Native species-rich intact	B2.3 - Species-rich modified neutral grassland					
 J2.12 - Species-poor intact hedge 	B2.4 - Species-poor modified neutral grassland					
H J2.21 - Native species-rich defunct hedge	B4 - Improved grassland					
J2.22 - Species-poor defunct	B6 - Poor semi-improved grassland					
hedge	C3.1- Tall ruderal					
J2.31 - Native species-rich hedge and trees	G1 - Standing water					
J2.32 - Species-poor hedge and	G2 - Running Water					
	J1.1 - Arable					
HH J2.4 - Fence	J1.2 - Amenity grassland					
J2.6 - Dry ditch	J37 - Track					

	$\langle \rangle$		1	Ips	wich	
	Sudbury Halstead	Hadleig				
1 04/2021 Rev. Date	Final Purpose of revis		PM Drawn	TC Check'd	TC Rev'd	Ap
Client	natior	nburgh, EH11 1DQ, 1131 659 1500 acobs.com		d		
Project	BRAMFORD	TO TWINSTEA	D			
Drawing Title	Phase 1 H	abitat Survey				
		3 of 11				
Drawing Status	F	inal				
Scale @ A3	1:10,000			DO N	OT SC	AL
Jacobs No.	B2416601					
Client No. Drawing No.	AAA_B2B_07_Biodiv	ersity				
document are th without the writt Limitation: This of Client, and is sub Jacobs and the O	1 Jacobs U.K. Limited. The cor e property of Jacobs. Use or en permission of Jacobs const frawing has been prepared on ject to, and issued in accordar lient. Jacobs accepts no liabili liance upon. this drawing by ar	opying of this docu itutes an infringem behalf of, and for t ice with, the provisi ty or responsibility	ment in	whole or	in part	os' een pec



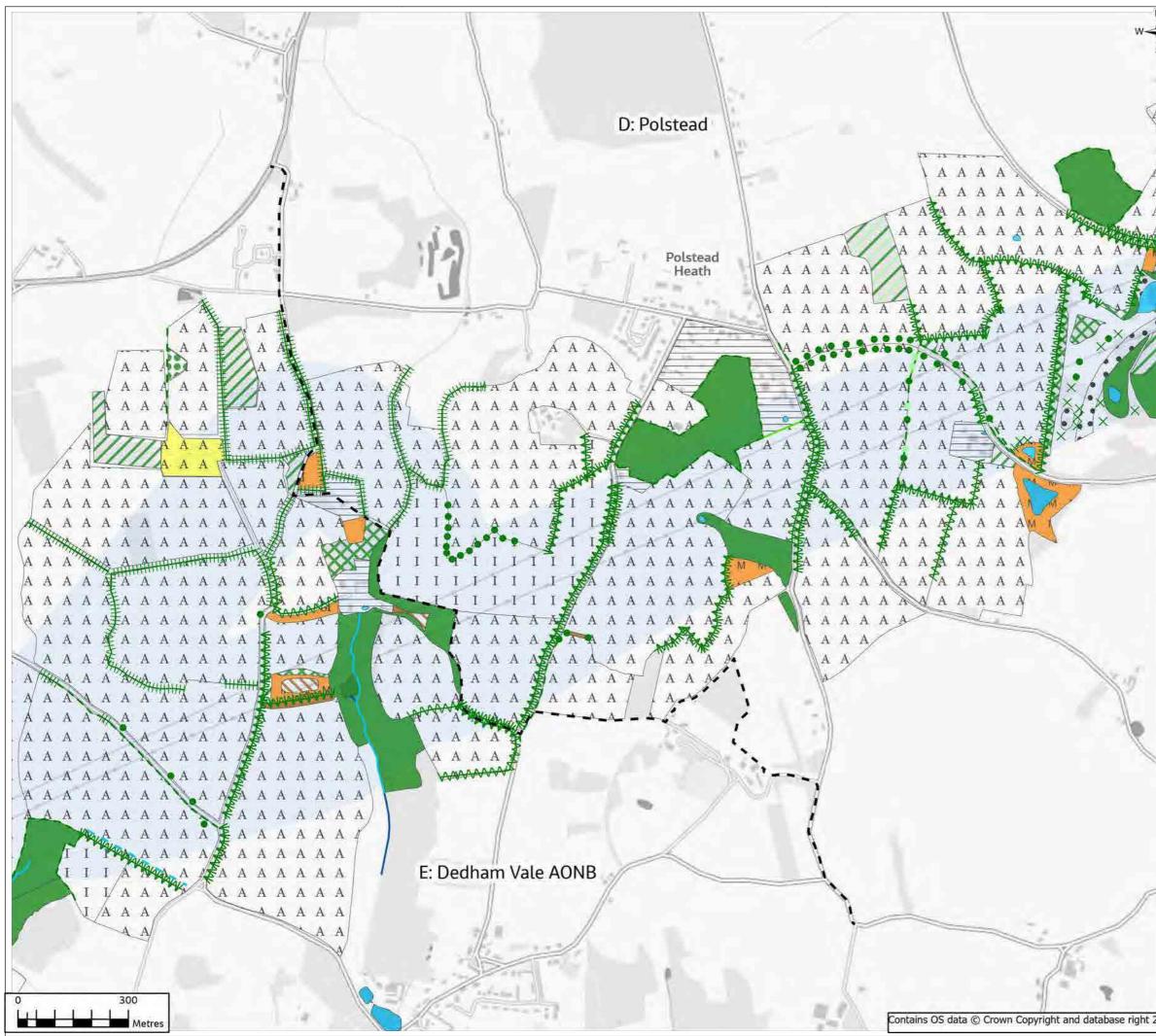
Path: \\gblon0vs01\GISProj\B2600017_NG_Bramford2Twinstead\GIS\01_ScopingReport\AAA_B2B_07_Biodiversity.aprx

FIGU	IRE 7.4
Legend	
 Section boundaries 	A1.2.2 - Plantation coniferous woodland
Scoping Boundary	A1.3.2 - Plantation mixed woodland
Proposed Grid Supply Point (GSP) Substation	A2.1 - Dense/continuous scrub
0	A5 - Orchard
A2.2 - Scattered scrub	B1.2 - Semi-improved acid grassland
A3.1 - Scattered broad-leaved tree	B2.2 - Semi-improved neutral
- G1 - Standing water	grassland B2.3 - Species-rich modified
G2 - Running water	neutral grassland
J2.11 - Native species-rich intact hedge	B4 - Improved grassland
 J2.12 - Species-poor intact hedge 	B5 - Marsh/marshy grassland
₩ J2.21 - Native species-rich defunct hedge	B6 - Poor semi-improved grassland
J2.22 - Species-poor defunct	C1.1 - Continuous bracken C3.1- Tall ruderal
J2.31 - Native species-rich hedge	F1 - Swamp
and trees	G1 - Standing water
J2.32 - Species-poor hedge and trees	G2 - Running Water
HH J2.4 - Fence	A J1.1 - Arable
J2.6 - Dry ditch	J1.2 - Amenity grassland
A1.1.1 - Semi-natural broad-	J1.4 - Introduced shrub
Leaved woodland A1.1.2 - Plantation broad-leaved	J37 - Track
A1.1.2 - Plantation broad-leaved woodland	
	No.
1	
16 I. K.	N.
1 1 1	Ipswich
2	
Sudbury	Hadleigh
	V And
Halstead	1 1000
naisteau	- I man
PTA	CX /
	A VI
Col	chester
1 04/2021 Final	PM TC TC
Rev. Date Purpose of revi	
Ja	cobs
160 Dundee St, Ed	linburgh, EH11 1DQ, UK.))131 659 1500
Tet: +44(C www.))131 659 1500 jacobs.com
natior	nal grid
	3.3
Project	
BRAMFORD	TO TWINSTEAD
Drawing Title	
Phase 1 H	labitat Survey
	e 4 of 11
Drawing Status	Final
Drawing Status Scale @ A3 1:10,000	1
Drawing Status Scale @ A3 1:10,000 Jacobs No. B2416601	1
Drawing Status Scale @ A3 1:10,000 Jacobs No. B2416601 Client No. Drawing No.	DO NOT SCA
Drawing Status Scale @ A3 1:10,000 Jacobs No. B2416601 Client No.	DO NOT SCA
Drawing Status Scale @ A3 1:10,000 Jacobs No. B2416601 Client No. Drawing No. AAA_B2B_07_Biodiv	DO NOT SCA
Drawing Status Scale @ A3 1:10,000 Jacobs No. B2416601 Client No. Drawing No. AAA_B2B_07_Biodiv © Copyright 2021 Jacobs U.K. Limited. The co document are the property of Jacobs. Use or c	DO NOT SCA
Drawing Status Scale @ A3 1:10,000 Jacobs No. B2416601 Client No. Drawing No. AAA_B2B_07_Biodiv © Copyright 2021 Jacobs U.K. Limited. The co document are the property of Jacobs U.Se or co document are the property of Jacobs U.Se or co	DO NOT SCA



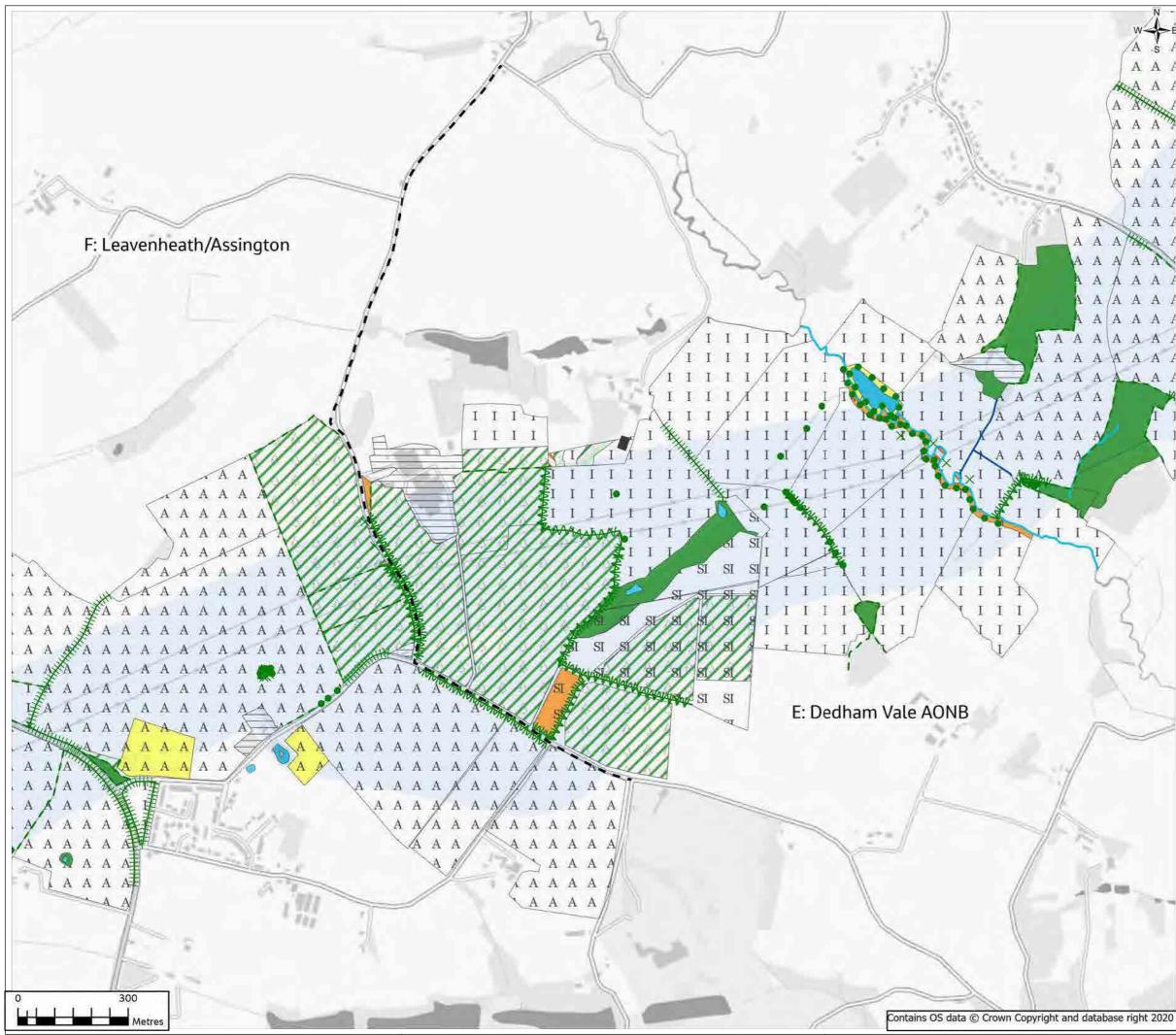
Path: \\gblon0vs01\GISProj\B2600017_NG_Bramford2Twinstead\GIS\01_ScopingReport\AAA_B2B_07_Biodiversity.aprx

Subbration Subbration </th <th></th> <th>FIGU</th> <th>IRE</th> <th>7.4</th>		FIGU	IRE	7.4	
Scoping Boundary A 5 - Orchard Scoping Boundary A 5 - Orchard Proposed Grid Supply Point (GSP) B1 - Unimproved acid grassland A 2.2 - Scattered broad-leaved tree B2 - Seni-Improved neutral grassland G 2 - Running water B2.3 - Species-poor intact hedge J 2.1 - Native species-rich nickt B4 - Improved grassland J 2.2 - Species-poor defunct B4 - Improved grassland H 12.32 - Species-poor defunct B4 - Improved grassland M 3.1.1 - Semi-natural broad-leaved C 3 - Standing water M 3.2.2 - Ranatalo broad-leaved C 3 - Standing water M 3.2.2 - Plantation conferous M 1.1 - Anabie M 1.3.2 - Plantation conferous M 1.1 - Anabie M 3.3.2 - Bantation conferous M 1.1 - Anabie M 3.3.2 - Bantation conferous M 1.1 - Anabie M 3.3.2 - Bantation conferous M 2.1 - Dense/continuous scrub J 1.2 - Amantiy grassland M 3.2 - Dense/continuous scrub J 4 - Bare ground M 2 Dense/continuous scrub M 4.2 - Dense/continuous scrub J 4 - Bare ground M 3 Deavid M 4.2 - Dense/continuous scrub J 4 - Bare ground M 4 Deavid M 5 - Doubles - ScacoDS Nouches scrub M	Legend				
Scoping Boundary A 5 - Orchard Proposed Crid Supply Point (GSP) B1.1 - Unimproved acid grassian A 3.1 - Scattered scrub B1.2 - Semi-improved neutral grassiand B 3.3 - Scattered scrub B2.2 - Semi-improved neutral grassiand C 2 - Running water B2.3 - Species-rich modified W 12.1 - Native species-rich intact hedge and trees B - Por semi-improved grassiand I 2.2 - Species-poor intact hedge and trees B - Por semi-improved grassiand I 2.2 - Species-poor hedge and trees C - 1 - Continuous bracken I 2.2 - Plantation toroad-leaved woodland C - 1 - Continuous bracken I 2.2 - Plantation mixed woodland I - 2 - Plantation toroad-leaved woodland I 2.2 - Plantation mixed woodland I - 2 - Namity grassiand I 2.2 - Plantation mixed woodland I - 2 - Namity grassiand I 2.2 - Plantation mixed woodland I - 2 - Namity grassiand I 2.2 - Plantation mixed woodland I - 7 rack I 2.2 - Plantation mixed woodland I - 7 rack I 2.2 - Plantation mixed woodland I - 2 - Namity grassiand I 2 - Namity grassiand with the system I - 0 to the system I 2 - Dense/continuous scrub I - 0 to the system I 2 - 0 base Purpose of rewision <	 Section 	boundaries			
Proposed Grid Supply Point (GSP) Substation B1.1 - Unimproved acid grassland A.2.2 - Scattered strub B1.2 - Semi-improved acid grassland B.2.2 - Species-rich intact hedge B2.2 - Species-poor modified J.2.1 - Native species-rich intact hedge B2.2 - Species-poor indefinded J.2.2 - Species-poor intact hedge B - Improved grassland J.2.2 - Species-poor intact hedge B - Improved grassland J.2.2 - Species-poor intact hedge B - Improved grassland J.2.2 - Species-poor hedge and trees C.3.1 - Tail tuderal J.2.2 - Plantation romiferous B - Species-poor modified M.1.2.3 - Plantation romiferous C.3.1 - Tail tuderal M.1.2.3 - Plantation romiferous C.3.1 - Tail tuderal M.1.2.3 - Plantation romiferous C.3.1 - Tail tuderal M.1.2.3 - Plantation romiferous J.1.1 - Arable M.1.2.4 - Dense/continuous scrub J.1.1 - Arable J.1.1 - Arable J.1.1 - Arable M.1.2.2 - Dense of ortivision Drew of trevision Drewice Stating trevision Drew of thec	Scoping	Boundary			
Substation B12 - Semi-Improved acid grassland A 22 - Scattered broad-leaved tree B22 - Species-rich modified G 2- Running water B2 - Species-poor modified J 21 - Species-poor intext hedge B2 - Species-poor modified J 22 - Species-poor intext hedge B2 - Species-poor modified J 22 - Species-poor intext hedge B - Improved grassland J 22 - Species-poor intext hedge B - Improved grassland J 22 - Species-poor hedge and trees C 3.1 - Tall runderal J 12 - Species-poor hedge and trees C 3.1 - Tall runderal M 12 - Plantation conferous woodiand B - Species-poor modified M 12 - Plantation conferous woodiand D - Standing water M 12 - Plantation conferous woodiand D - Standing water M 12 - Dense/continuous scrub J - Bare ground M 12 - Dense/continuous scrub J - Bare ground M 22 - Dense/continuous scrub J - Bare ground M 22 - Dense/continuous scrub J - Bare ground M 22 - Dense/continuous scrub J - Bare ground M 22 - Dense/continuous scrub J - Bare ground M 22 - Dense/continuous scrub M - M - M - M - M - M - M - M - M - M -	Propos	ed Grid Supply Point (GSP)		B1.1 - Unimproved acid grassland	
A 2.2 - Scattered strub ¹ ²	Substat	ion			
A3.1 - Scattered broad-leaved tree grassland G2 - Running water G2 - Running water W J2.1 1 - Native species-rich intact B4 - Express-poor modified inductal grassland B6 - Poor semi-improved grassland inductal grassland B7 - Swamp inductal grassland B7 - Track	X A2.2 - S	cattered scrub		-	
G2 - Running water Image: Secies-rich Intact hedge Image: Spaces-poor intact hedge B4 - Improved grassland Image: Spaces-poor defunct B5 - Marsh/marshy grassland Image: Spaces-poor hedge and treewed woodland C1.1 - Continuous bracken Image: Spaces-poor hedge and treewed woodland C1.1 - Continuous bracken Image: Spaces-poor hedge and treewed woodland C1.1 - Continuous bracken Image: Spaces-poor hedge and treewed woodland C1.1 - Continuous bracken Image: Spaces-poor offerous Image: Spaces-poor modeline Image: Spaces-poor hedge and treewed woodland Image: Spaces-poor modeline Image: Spaces-poor hedge and treewed woodland Image: Spaces-poor modeline Image: Spaces-poor hedge and treewed woodland Image: Spaces-poor modeline Image: Spaces-poor modeline	A3.1-5	cattered broad-leaved tree			
W J2.11 - Native species-rich intact indige B2.4 - Species-poor modified intradigesiand I J2.21 - Species-poor intact hedge B4 - Improved grassland IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	- G2 - Bu	nning water		B2.3 - Species-rich modified neutral grassland	
 J2.12 - Species-poor intact hedge J2.22 - Species-poor intact hedge J2.22 - Species-poor intact hedge J2.23 - Species-poor hedge and trees J2.23 - Plantation torad-leaved woodland A1.2 - Plantation coniferous woodland A1.2 - Plantation coniferous woodland J2 - Track J2 - Plantation coniferous woodland J37 - Track J2 - Bare ground I - Our provide grassiand J37 - Track J4 - Bare ground I - Colchester I - Malter I - Malter I - Value I - Malter 		•		B2.4 - Species-poor modified	
 	VV hedge			-	
 fields proved provide relation 					
W 2-31 - Native species-rich hedge and trees C 1.1 - Continuous bracken W 12.32 - Species-poor hedge and leaved woodland C 3.1 - Tall ruderal A 1.11 - Semi-natural broad-leaved woodland C 1.1 - Continuous bracken A 1.12 - Plantation broad-leaved woodland C 1.1 - Acid/neutral flush A 1.12 - Plantation conferous woodland C 1.1 - Acid/neutral flush A 1.12 - Plantation conferous woodland J 1.1 - Arable A 1.12 - Plantation mixed woodland J 1.1 - Arable A 1.12 - Plantation mixed woodland J 1.2 - Amenity grassland J 4 - Bare ground J 4 - Bare ground I 04/2021 Enal PM TC I 04/2021 Enal PM TC TC		species-poor defunct		B6 - Poor semi-improved grasslan	
1.3.2 - Species-poor hedge and Eaved woodland C.3.1 - Tall ruderal E2.1 - Acid/neutral flush Al.1.1 - Semi-natural broad- leaved woodland E2.1 - Acid/neutral flush Al.1.2 - Plantation broad-leaved woodland G1 - Standing water Al.2.2 - Plantation confierous woodland J1.1 - Arable Al.3.2 - Plantation mixed woodland J1.1 - Arable Al.3.2 - Plantation mixed woodland J1.2 - Amenity grassland J2.7 - Tack J2.4 - Bare ground Image: All stead Image: All stead Image:	₩ J2.31 - and tree	Native species-rich hedge			
■ A.1.1 - Semi-natural broad- Eaved woodland ■ F.1 - Swamp ■ A.1.2 Plantation broad-leaved woodland ■ G.1 - Standing water ■ A.1.2 Plantation coniferous woodland ■ J.1.2 - Plantation mixed ■ A.1.2 Plantation mixed woodland ■ J.1.2 - Amenity grassland ■ A.2.1 - Dense/continuous scrub ■ J.2 - Amenity grassland ■ J.2.2 - Plantation mixed woodland ■ J.2 - Amenity grassland ■ J.2.3 - Plantation mixed woodland ■ J.2 - Amenity grassland ■ J.2.4 - Dense/continuous scrub ■ J.4 - Bare ground ■ A.2.1 - Dense/continuous scrub ■ J.4 - Bare ground ■ A.2.2 - Uprese for evision ■ J.4 - Bare ground ■ Matter ■ J.4 - Bare ground ■ Date ■ Purpose of revision ■ Date ■ Purpose of revision	ш J2.32 -			C3.1- Tall ruderal	
Interved woodland Image: Standing water Image: All 2.2 - Plantation broad-leaved woodland Image: Standing water Image: All 2.2 - Plantation conferous woodland Image: Standing water Image: All 2.2 - Plantation mixed woodland Image: Standing water Image: All 2.2 - Plantation conferous woodland Image: Standing water Image: All 2.2 - Plantation mixed woodland Image: Standing water Image: All 2.2 - Plantation mixed woodland Image: Standing water Image: All 2.2 - Plantation mixed woodland Image: Standing water Image: All 2.2 - Plantation mixed woodland Image: Standing water Image: All 2.2 - Plantation contained in this Image: Standing water Image: All 2.2 - Plantation contained in the standing water Image: Standing water Image: All 2.2 - Plantation contained in the standing water Image: Standing water Image: All 2.2 - Plantation contained in the standing water Image: Standing water Image: All 2.2 - Plantation contained in the standing water Image: All 2.2 - Plantation contained in the standing water Image: All 2.2 - Plantation contained in the standing water Image: All 2.2 - Plantation contained in the standing water Image: All 2.2 - Plantation contained in the standing water Image: All 2.2 - Plantation contained in the standing water	III trees			E2.1 - Acid/neutral flush	
Image: Status Image: Status Image: Status Image: Status Image: Status Image: Status Image: Status Image: Status Image: Status Image: Status Image: Status Image: Status Image: Status Image: Status Image: Status Image: Status Image: Status Image: Status Image: Status Image: Status Image: Status <td></td> <td></td> <td></td> <td>F1 - Swamp</td>				F1 - Swamp	
A1.2.2 - Plantation conferous woodland J1.1 - Arable A1.2.2 - Plantation mixed J1.1 - Arable A1.3.2 - Plantation mixed J1.2 - Amenity grassland J3.7 - Track J4 - Bare ground Image: Status J4 - Bare ground Image: Status Image: Status Image: Status Image: Status Image: Status Image: Status Image: Status Final Image: Status State Status Image: Status Final Image: Status Final State Status State Sta				G1 - Standing water	
Woodland J1.1 - Arabie Moodland J1.2 - Amenity grassland J2.7 - Track J2.7 - Track			<u> </u>	5	
Woodland J37 - Track A2.1 - Dense/continuous scrub J37 - Track J4 - Bare ground Jar - Track J4 - Bare ground Ipswick Jar - Track Jar - Track Jarcobs No Bar - Track Jarcob No B2416601 Jarcob No B2416601 <	woodla	nd	A		
A2.1 - Dense/continuous scrub 14 - Bare ground	A1.3.2 · woodla	- Plantation mixed nd			
Image: Subury Hadleigh Sudbury Hadleigh Hadleigh Hadleigh Halstead Colchester I 04/2021 Halstead Purpose of revision Date Drawing Check devision Date Purpose of revision Date Bate State Project BRAMFORD TO TWINSTEAD Drawing Title Phase 1 Habitat Survey Page 5 of 11 Do NOT 11 Drawing Status Final Scate @ A3 1:10,000 Date Do NOT 12 Jacobs No B2416601	A2.1 - [Dense/continuous scrub			
Sudbury Hadleigh Sudbury Hadleigh Halstead Colchester 1 04/2021 Final PM TC TC Rev Date Purpose of revision Drawn Check'd Rev Sacobss Bacobss Date Purpose of revision Drawn Check'd Rev Date Purpose of revision Drawn Check'd Rev Date Purpose of revision Drawn Check'd Rev Drawn Status Final Scale (@ A3 1:10,000 Drawn Status Final Scale (@ A3 1:10,000 DO NOT Jacobs No. B2416601 Clent No. Drawing No. AAA_B2B_07_Biodiversity <td cols<="" td=""><td></td><td></td><td>Ľ</td><td></td></td>	<td></td> <td></td> <td>Ľ</td> <td></td>			Ľ	
Sudbury Hadleigh Sudbury Hadleigh Halstead Colchester 1 04/2021 Final PM TC TC Rev Date Purpose of revision Drawn Check'd Rev Sacobss Bacobss Date Purpose of revision Drawn Check'd Rev Date Purpose of revision Drawn Check'd Rev Date Purpose of revision Drawn Check'd Rev Drawn Status Final Scale (@ A3 1:10,000 Drawn Status Final Scale (@ A3 1:10,000 DO NOT Jacobs No. B2416601 Clent No. Drawing No. AAA_B2B_07_Biodiversity <td cols<="" td=""><td>1</td><td>(</td><td></td><td>10</td></td>	<td>1</td> <td>(</td> <td></td> <td>10</td>	1	(10
Sudbury Hadleigh Sudbury Hadleigh Halstead Colchester 1 04/2021 Final PM TC TC Rev Date Purpose of revision Drawn Check'd Rev Sacobss Bacobss Date Purpose of revision Drawn Check'd Rev Sacobss Date Purpose of revision Drawn Check'd Rev Date Date Purpose of revision Drawn Check'd Rev Drawing Title Project Drawing Status Final Scale @0.A3 1:10,000 Do NOT Jacobs No. B2416601 Clent No. Datel Colspan="2">Drawing No.	100	(A.		N-W-	
Sudbury Hadleigh Sudbury Hadleigh Halstead Colchester 1 04/2021 Final PM TC TC Rev Date Purpose of revision Drawn Check'd Rev Sacobss Bacobss Date Purpose of revision Drawn Check'd Rev Sacobss Date Purpose of revision Drawn Check'd Rev Date Date Purpose of revision Drawn Check'd Rev Drawing Title Project Drawing Status Final Scale @0.A3 1:10,000 Do NOT Jacobs No. B2416601 Clent No. Datel Colspan="2">Drawing No.		2 7 1			
Sudbury Imal Purpose 1 04/2021 Final PM TC TC Rev Date Purpose of revision Drawn Checkid Rev Jacobss Li60 Dundee St, Edinburgh, EH11 100, UK. WWW.jacobs.com Client Date Purpose of revision Drawn Checkid Rev Disponse of revision Drawing Status Status Final Project Drawing Status Final Scale @ A3 1:10,000 Do NOT Jacobs No. B2416601 Client No. Drawing No. AAA_B2B_07_Biodiversity Drawing No. AAA_B2B_07_Biodiversity		1.71		Ipswich	
Sudbury Colchester 1 04/2021 Halstead Colchester 1 04/2021 Rev Date Purpose of revision Drawn Checkd Rev Date Purpose of revision Date Purpose of revision Drawing Checkd Rev Date Date Dury of revision Drawing Checkd Rev DiacobsS Client Date Dury of revision Drawing Title Project Drawing Status Final Scale @ A3 110,000 Do NOT Jacobs No. B2416601 Client No. Drawing No. AAA_B2B_07_Biodiversity	X	D.(De		-	
Sudbury Imal Purpose 1 04/2021 Final PM TC TC Rev Date Purpose of revision Drawn Checkid Rev Jacobss Li60 Dundee St, Edinburgh, EH11 100, UK. WWW.jacobs.com Client Date Purpose of revision Drawn Checkid Rev Disponse of revision Drawing Status Status Final Project Drawing Status Final Scale @ A3 1:10,000 Do NOT Jacobs No. B2416601 Client No. Drawing No. AAA_B2B_07_Biodiversity Drawing No. AAA_B2B_07_Biodiversity	and the second s	11 11		Hadleigh	
1 04/2021 Final PM TC TC Rev. Date Purpose of revision Drawn Check'd Rev Jacobss L60 Dundee 5t, Edinburgh, EH11 1DO, UK TEL: 444(0)131 659 1500 www.jacobs.com Client Date Object Colspan="2" Project BRAMFORD TO TWINSTEAD Drawing Title Phase 1 Habitat Survey Page 5 of 11 Drawing Status Final Scale @ A3 1:10,000 Jacobs No. B2416601 Client No. Drawing No. AAA_B2B_07_Biodiversity		Sudbury		THE	
1 04/2021 Final PM TC TC Rev. Date Purpose of revision Drawn Check'd Rev Jacobss L60 Dundee 5t, Edinburgh, EH11 1DO, UK TEL: 444(0)131 659 1500 www.jacobs.com Client Date Object Colspan="2" Project BRAMFORD TO TWINSTEAD Drawing Title Phase 1 Habitat Survey Page 5 of 11 Drawing Status Final Scale @ A3 1:10,000 Jacobs No. B2416601 Client No. Drawing No. AAA_B2B_07_Biodiversity		A Party	_		
1 04/2021 Final PM TC TC Rev. Date Purpose of revision Drawn Check'd Rev Jacobss L60 Dundee 5t, Edinburgh, EH11 1DO, UK TEL: 444(0)131 659 1500 www.jacobs.com Client Date Object Colspan="2" Project BRAMFORD TO TWINSTEAD Drawing Title Phase 1 Habitat Survey Page 5 of 11 Drawing Status Final Scale @ A3 1:10,000 Jacobs No. B2416601 Client No. Drawing No. AAA_B2B_07_Biodiversity	N		-		
1 04/2021 Final PM TC TC Rev. Date Purpose of revision Drawn Check'd Rev Jacobss L60 Dundee 5t, Edinburgh, EH11 1DO, UK TEL: 444(0)131 659 1500 www.jacobs.com Client Date Object Colspan="2" Project BRAMFORD TO TWINSTEAD Drawing Title Phase 1 Habitat Survey Page 5 of 11 Drawing Status Final Scale @ A3 1:10,000 Jacobs No. B2416601 Client No. Drawing No. AAA_B2B_07_Biodiversity	1	سيريت	1	The V	
1 04/2021 Final PM TC TC Rev. Date Purpose of revision Drawn Check'd Rev Jacobss L60 Dundee 5t, Edinburgh, EH11 1DO, UK TEL: 444(0)131 659 1500 www.jacobs.com Client Date Object Colspan="2" Project BRAMFORD TO TWINSTEAD Drawing Title Phase 1 Habitat Survey Page 5 of 11 Drawing Status Final Scale @ A3 1:10,000 Jacobs No. B2416601 Client No. Drawing No. AAA_B2B_07_Biodiversity	1.5	$\langle - \chi \rangle$		D Ja	
1 04/2021 Final PM TC TC Rev. Date Purpose of revision Drawn Check'd Rev Jacobss Liso Dundee St, Edinburgh, EH11 1DO, UK. Tet +44(0)131 659 1500 WWW.jacobs.com Client Date Date Date Date Date Date Date Date	1	lalstead		1 pm	
1 04/2021 Final PM TC TC Rev. Date Purpose of revision Drawn Check'd Rev Jacobss Liso Dundee St, Edinburgh, EH11 1DO, UK. Tet +44(0)131 659 1500 WWW.jacobs.com Client Date Date Date Date Date Date Date Date	1.35		u)		
1 04/2021 Final PM TC TC Rev. Date Purpose of revision Drawn Check'd Rev Jacobss Liso Dundee St, Edinburgh, EH11 1DO, UK. Tel +44(0)131 659 1500 WWW.jacobs.com Client Date Date Date Date Date Date Date Date	1		1	- C	
1 04/2021 Final PM TC TC Rev. Date Purpose of revision Drawn Check'd Rev Jacobss Liso Dundee St, Edinburgh, EH11 1DO, UK. Tet +44(0)131 659 1500 WWW.jacobs.com Client Date Date Date Date Date Date Date Date	10			J.T.	
Rev. Date Purpose of revision Drawn Check'd Rev Gacobs 160 Dundee St, Edinburgh, EH11 1DO, UK. Tet: +44(0)131 659 1500 www.jacobs.com Client Onational garid Project BRAMFORD TO TWINSTEAD Drawing Title Phase 1 Habitat Survey Page 5 of 11 Drawing Status Final Scale @ A3 1:10,000 Jacobs No. B2416601 Client No. Drawing No. AAA_B2B_07_Biodiversity	31	Co	ches	ter	
Lieb Lieb Lieb Lieb Lieb Lieb Lieb Lieb	1 04/2021	Final		РМ ТС ТС	
Lieb Dundee St, Edinburgh, EH11 1DQ, UK. Tet +444(0)131 659 1500 www.jacobs.com Project Project BRAMFORD TO TWINSTEAD Drawing Title Phase 1 Habitat Survey Page 5 of 11 Drawing Status Final Scale @ A3 1:10,000 DO NOT Jacobs No. B2416601 Client No. DO NOT Drawing No. AAA_B2B_07_Biodiversity © Copyright 2021 Jacobs U.K. Limited. The concepts and information contained in this			ision		
Lient Client Cli		Ja	со	bs	
Client Cl					
Project BRAMFORD TO TWINSTEAD Drawing Title Phase 1 Habitat Survey Page 5 of 11 Drawing Status Final Scale @ A3 1:10,000 DO NOT Jacobs No. B2416601 Client No. Drawing No. AAA_B2B_07_Biodiversity © Copyright 2021 Jacobs U.K. Limited. The concepts and information contained in this	Client	www	.jacobs	com	
Project BRAMFORD TO TWINSTEAD Drawing Title Phase 1 Habitat Survey Page 5 of 11 Drawing Status Final Scale @ A3 1:10,000 DO NOT Jacobs No. B2416601 Client No. Drawing No. AAA_B2B_07_Biodiversity © Copyright 2021 Jacobs U.K. Limited. The concepts and information contained in this		natior	7	alarid	
BRAMFORD TO TWINSTEAD Drawing Title Phase 1 Habitat Survey Page 5 of 11 Drawing Status Final Scale @ A3 1:10,000 DO NOT Jacobs No. B2416601 Client No. Drawing No. AAA_B2B_07_Biodiversity © Copyright 2021 Jacobs U.K. Limited. The concepts and information contained in this				3	
Phase 1 Habitat Survey Page 5 of 11 Drawing Status Final Scale @ A3 1:10,000 DO NOT 3 Jacobs No. B2416601 Client No. Drawing No. AAA_B2B_07_Biodiversity © Copyright 2021 Jacobs U.K. Limited. The concepts and information contained in this	Project	BRAMFORD) то 1		
Phase 1 Habitat Survey Page 5 of 11 Drawing Status Final Scale @ A3 1:10,000 DO NOT : Jacobs No. B2416601 Client No. Drawing No. AAA_B2B_07_Biodiversity © Copyright 2021 Jacobs U.K. Limited. The concepts and information contained in this					
Drawing Status Final Scale @ A3 1:10,000 DO NOT Jacobs No. B2416601 Client No. Drawing No. AAA_B2B_07_Biodiversity © Copyright 2021 Jacobs U.K. Limited. The concepts and information contained in this	Drawing Title	Phase 1 H	Habit	at Survey	
Scale @ A3 1:10,000 DO NOT 2 Jacobs No. B2416601 Client No. Drawing No. AAA_B2B_07_Biodiversity © Copyright 2021 Jacobs U.K. Limited. The concepts and information contained in this		Pag	e 5 o	⁻ 11	
Scale @ A3 1:10,000 DO NOT : Jacobs No. B2416601 Client No. Drawing No. Drawing No. AAA_B2B_07_Biodiversity © Copyright 2021 Jacobs U.K. Limited. The concepts and information contained in this	Drawing Status				
Jacobs No. B2416601 Client No. Drawing No. AAA_B2B_07_Biodiversity © Copyright 2021 Jacobs U.K. Limited. The concepts and information contained in this	Scale @ A3			DO NOT S	
Drawing No. AAA_B2B_07_Biodiversity	-				
AAA_B2B_O / _Biodiversity © Copyright 2021 Jacobs U.K. Limited. The concepts and information contained in this		,			
© Copyright 2021 Jacobs U.K. Limited. The concepts and information contained in this	Drawing No.	AAA_B2B_07_Biodi	versi	ty	
© Copyright 2021 Jacobs U.K. Limited. The concepts and information contained in this document are the property of Jacobs Use or copying of this document in whole as is a set of the document in whole as is a set of the document in whole as is a set of the document in whole as is a set of the document in whole as is a set of the document in whole as is a set of the document in whole as is a set of the document of the document in whole as is a set of the document in whole as is a set of the document of the d					
document are the property of Jacobs. Use or copying of this document in whole or in pa without the written permission of Jacobs constitutes an infringement of copyright.	document are th	e property of Jacobs. Use or (copyin	g of this document in whole or in par	

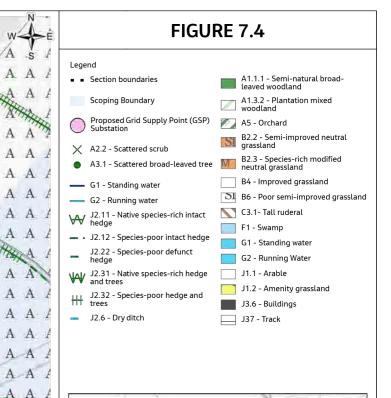


Path: \\gblon0vs01\GISProj\B2600017_NG_Bramford2Twinstead\GIS\01_ScopingReport\AAA_B2B_07_Biodiversity.aprx

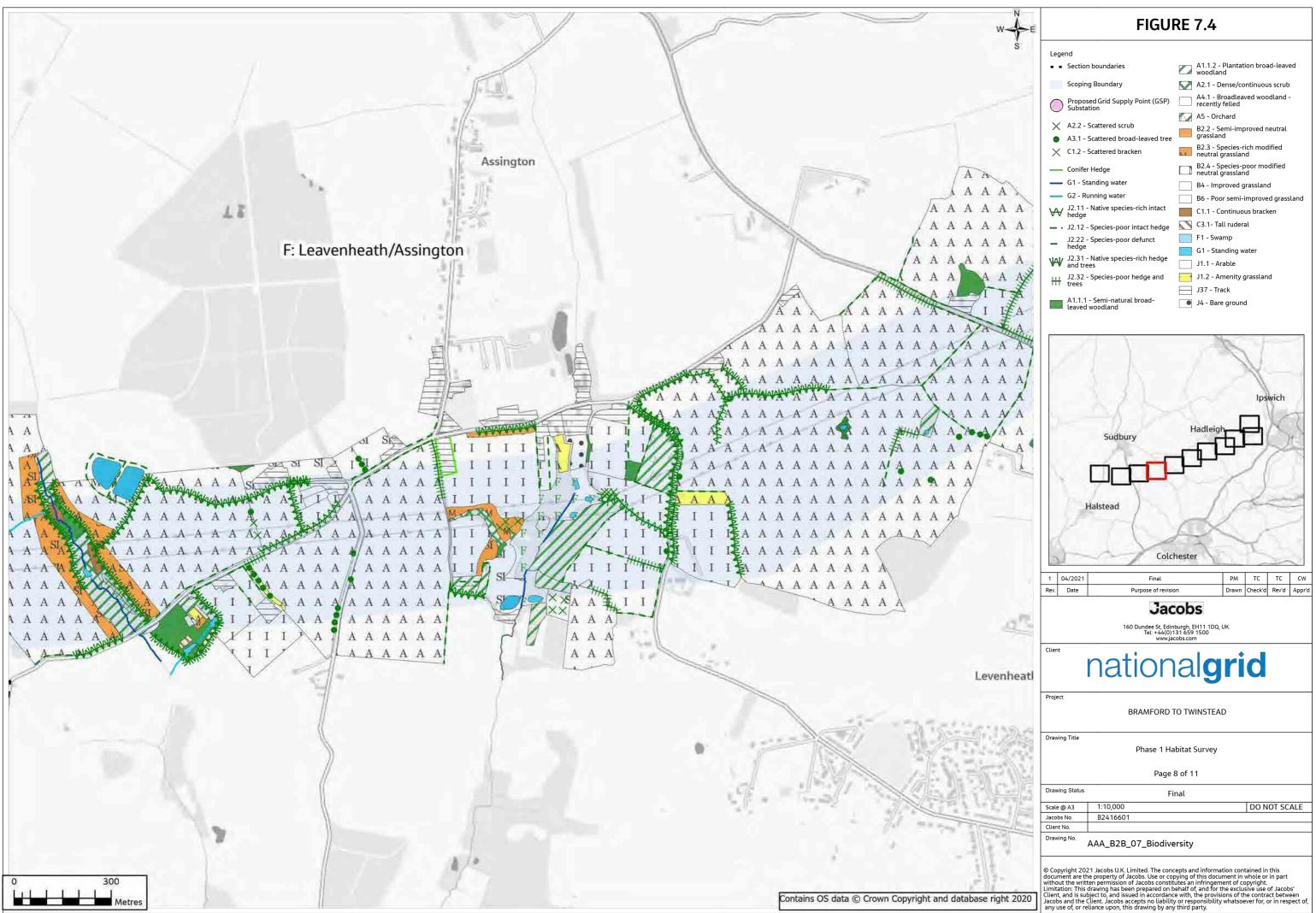
	FIGUI	RE	7.4
Legend			
 Section 	on boundaries		A1.1.2 - Plantation broad-leave woodland
Scopi	ng Boundary		A1.3.2 - Plantation mixed woodland
Propo	osed Grid Supply Point (GSP)		A2.1 - Dense/continuous scrub
U Subst			A3.1 - Broad-leaved parkland/ scattered trees
~	- Scattered scrub		B2.1 - Unimproved neutral
•	- Scattered broad-leaved tree		grassland
			B2.2 - Semi-improved neutral grassland
Conife	er Hedge Standing water	M	B2.3 - Species-rich modified neutral grassland
	Running water		B4 - Improved grassland
	- Native species-rich intact	0	B5 - Marsh/marshy grassland
hedge	e - Species-poor intact hedge		C1.1 - Continuous bracken
	- Species-poor defunct		C3.1- Tall ruderal
hedge	e		G1 - Standing water G2 - Running Water
and tr	- Native species-rich hedge rees		J1.1 - Arable
₩ J2.32 trees	- Species-poor hedge and		J1.2 - Amenity grassland
	Dry ditch		J37 - Track
	1 - Semi-natural broad-		J4 - Bare ground
	d woodland		N
1.00			10
1	1 6.		N.
	3 53		
	3. 3.1		Ipswich
	D.(12		_ 1
	11 11	ł	Hadleigh
	Sudbury		HEO
	Nº ST	-	1 170
1		-	
×.			- And
1.194	Halstead		1100
-5.7	musicuu	1.	11
1		ſ.	XX
1			$\chi = \chi^{-1}$
34	Cold	heste	
1 04/2021			PM TC TC
Rev. Date	Purpose of revisio	_	Drawn Check'd Rev'd
	Jac	ob	S
	160 Dundee St, Edin Tel: +44(0)1 www.jac	burgh, E 31 659	EH11 1DQ, UK. 1500 n
Client	nation	2	arid
Client			914
Client			
Client Project			
	BRAMFORD 1	го тм	/INSTEAD
		ΓΟ ΤΝ	VINSTEAD
Project			
Project	BRAMFORD 1 Phase 1 Ha	bitat	Survey
Project Drawing Title	BRAMFORD 1 Phase 1 Ha Page (bitat 6 of 1	Survey
Project Drawing Title Drawing Status	BRAMFORD 1 Phase 1 Ha Page 6 Fi	bitat	Survey 1
Project Drawing Title	BRAMFORD 1 Phase 1 Ha Page (bitat 6 of 1	Survey 1
Project Drawing Title Drawing Status Scale @ A3 Jacobs No. Client No.	BRAMFORD 1 Phase 1 Ha Page 6 Fi 1:10,000	bitat 6 of 1	Survey
Project Drawing Title Drawing Status Scale @ A3 Jacobs No.	BRAMFORD 1 Phase 1 Ha Page 6 Fi 1:10,000	bitat 6 of 1 nal	Survey 1 DO NOT SC/
Project Drawing Title Drawing Status Scale @ A3 Jacobs No. Client No. Drawing No.	BRAMFORD 1 Phase 1 Ha Page 1 Fi 1:10,000 B2416601	bitat 6 of 1 nal ersity	Survey 1 DO NOT SC/



Path: \\gblon0vs01\GISProj\B2600017_NG_Bramford2Twinstead\GIS\01_ScopingReport\AAA_B2B_07_Biodiversity.aprx



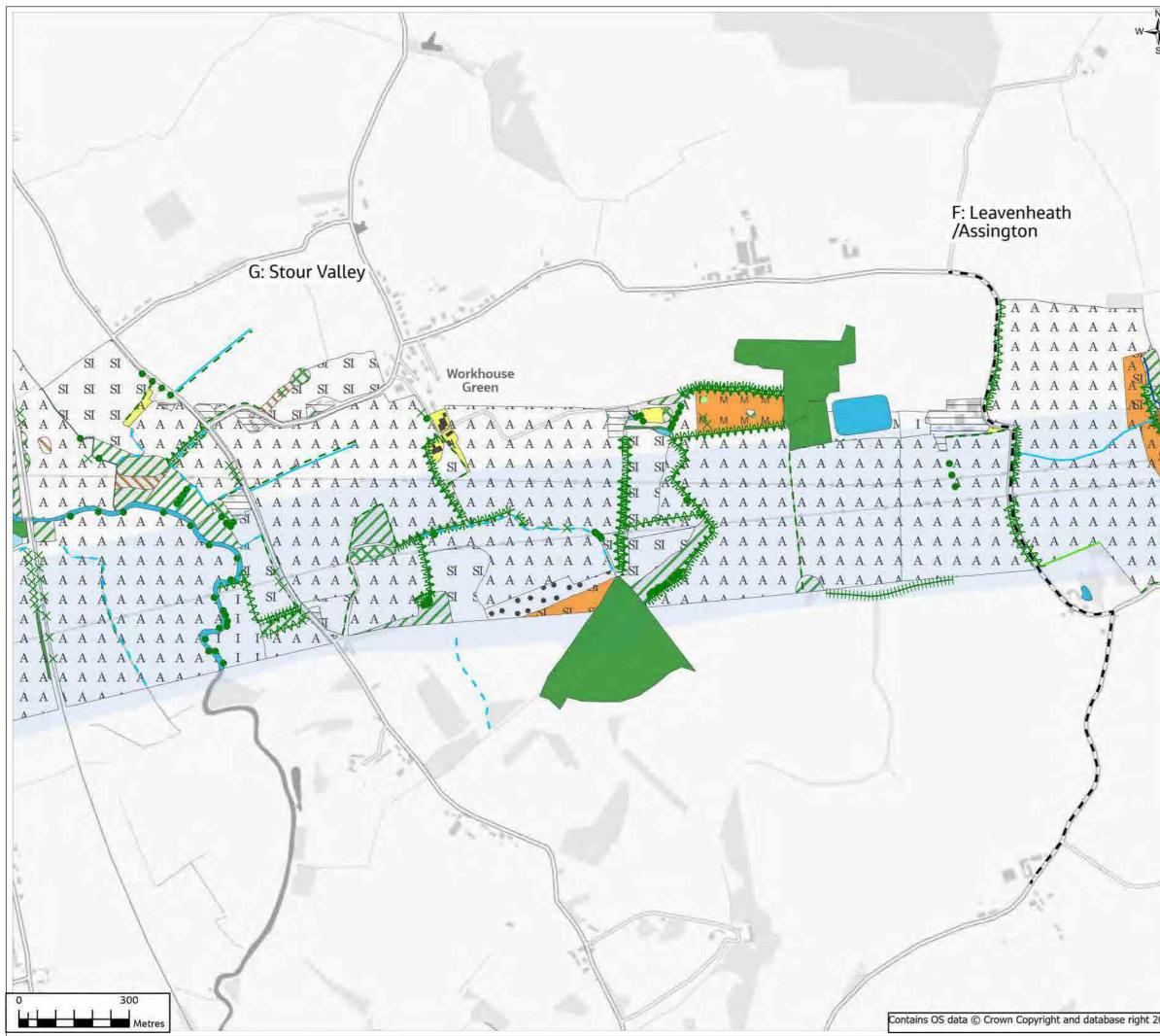
1	Sudbury	Hadleig	मि	Ipswich			
1			1	10			
S	Halstead		<	N.			
1 04/2021	Final		PM	тс тс сw			
Rev. Date	Purpose of revision		Drawn	Check'd Rev'd Appr'd			
	Jacob 160 Dundee St, Edinburgh, Tel: +44(0)131 65' www.jacobs.co	EH11 1DQ, 9 1500	UK.				
Client	nationa	lg	ri	d			
Project	BRAMFORD TO TV	VINSTEA	D				
Drawing Title	Dia and the litera	<u> </u>					
	Phase 1 Habitat Survey Page 7 of 11						
Drawing Status	Final						
Scale @ A3	1:10,000			DO NOT SCALE			
Jacobs No.	B2416601						
Client No. Drawing No.	AAA_B2B_07_Biodiversity	/					
© Copyright 2021 Jacobs U.K. Limited. The concepts and information contained in this document are the property of Jacobs. Use or copying of this document in whole or in part without the written permission of Jacobs constitutes an infringement of copyright. Limitation: This drawing has been prepared on behalf of, and for the exclusive use of Jacobs' Client, and is subject to, and issued in accordance with, the provisions of the contract between Jacobs and the client. Jacobs accepts no liability or responsibility whatsoever for, or in respect of, any use of, or reliance upon, this drawing by any third party.							



Path: \\gblon0vs01\GISProj\B2600017_NG_Bramford2Twinstead\GIS\01_ScopingReport\AAA_B2B_07_Biodiversity.aprx

1 mat		10	
Purpose of revision	Drawn	Check'd	
Jacobs			
160 Dundee St, Edinburgh, EH11 1DQ, I Tel: +44(0)131 659 1500	JK.		

wing Status	Final	
le @ A3	1:10,000	DO NOT SCALE
obs No.	B2416601	
nt No.		
wing No.	AAA_B2B_07_Biodiversity	



	FIGU	KE	1.4			
Legend						
 Section 	n boundaries		A1.1.1 - S leaved wo		atural broad- d	
Scopin	ig Boundary		A1.1.2 - P woodland		on broad-leave	
Propos Substa	sed Grid Supply Point (GSP)				ntinuous scrub	
0		S	B2.2 - Ser grassland		roved neutral	
	Scattered scrub Scattered broad-leaved tree	M	- B2.3 - Spe	ecies-r	ich modified	
•	Scattered coniferous tree		neutral gr			
Ť.			B2.4 - Spe neutral gr	asslan	d	
G1 - St	tanding water		B4 - Impro	-		
	unning water	SI			mproved grassl Js bracken	
₩ J2.11 hedge	- Native species-rich intact		C3.1- Tall			
	- Species-poor intact hedge		F1 - Swam	пр		
12.21 ·	- Native species-rich defunct		G1 - Stand	ding w	ater	
✓ V hedge J2.22 -	- Species-poor defunct		G2 - Runn	-	ater	
hedge			J1.1 - Ara			
W J2.31 - and tre	- Native species-rich hedge ees		J1.2 - Am		rassland	
HH J2.32 ⋅ trees	- Species-poor hedge and		J3.6 - Buil J37 - Trac	-		
	Dry ditch		J4 - Bare		1	
S	Halstead	heste	X		14	
1 04/2021	Final Purpose of revisio	on		PM Drawn	TC TC Check'd Rev'd	
Rev. Date					Check'd Rev'd	
Rev. Date	Jacobs 160 Dundee St, Edinburgh, EH11 1DQ, UK. Tet: +44(0)131 659 1500 www.jacobs.com					
Rev. Date	160 Dundee St, Edin Tel: +44(0)1	burgh, E 31 659	H11 1DQ, UI 1500	K.		
Client	160 Dundee St, Edin Tel: +44(0)1	burgh, E 131 659 cobs.com	H11 1DQ, UH 1500 1	•	d	
Client	160 Dundee St, Edin Tel: +44(0)1 www.jac	burgh, E 31 659 cobs.com	H11 1DQ, UH 1500 1 1 1	ri	d	
Client	160 Dundee St. Edin Tet: +44(0)1 www.jac	burgh, E 31 659 cobs.com		ri	d	
Client Project	160 Dundee St. Edin Tet: +44(0)1 www.jac nation BRAMFORD T	burgh, E 31 659 cobs.con	INSTEAD	ri	d	
Client Project	160 Dundee St, Edin Tet: +44(0)1 www.jac Data BRAMFORD T Phase 1 Ha Page 4	burgh, E 31 659 cobs.con	INSTEAD	ri	d	
Client Project Drawing Title	160 Dundee St, Edin Tet: +44(0)1 www.jac Data BRAMFORD T Phase 1 Ha Page 4	burgh, E 31 659 cobs.com	INSTEAD	ri	d	
Client Project Drawing Title Drawing Status Scale @ A3 Jacobs No.	160 Dundee St. Edin Tet: +44(0)1 www.jac Data BRAMFORD T Phase 1 Ha Page 9 Fit	burgh, E 31 659 cobs.com	INSTEAD	ri		
Client Project Drawing Title Drawing Status Scale @ A3 Jacobs No. Client No. Drawino No.	160 Dundee St, Edin Tet: +44(0)1 www.jac BRAMFORD T BRAMFORD T Phase 1 Ha Page 9 Fit 1:10,000	burgh E 31659 cobs.com	INSTEAD	ri		

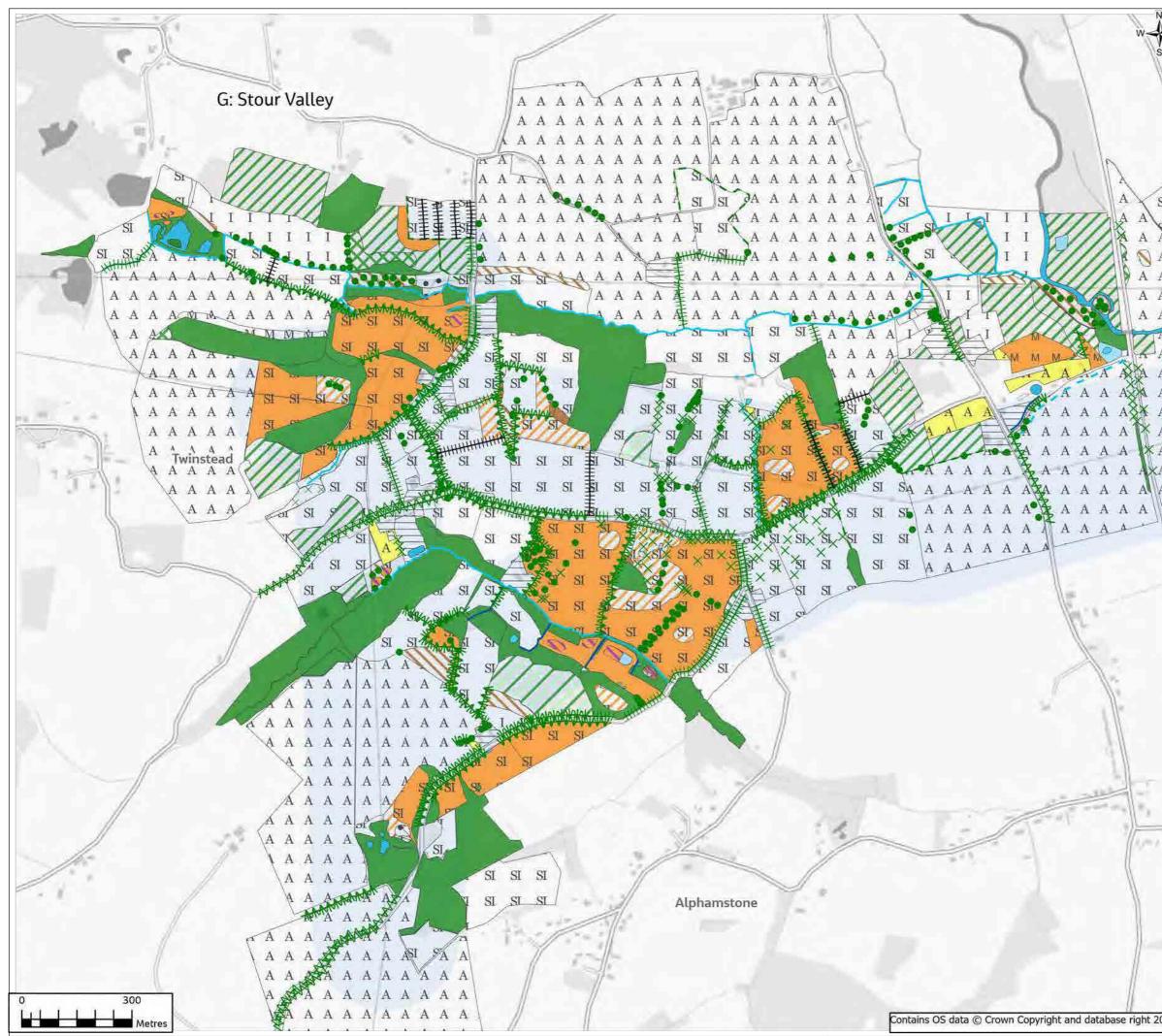
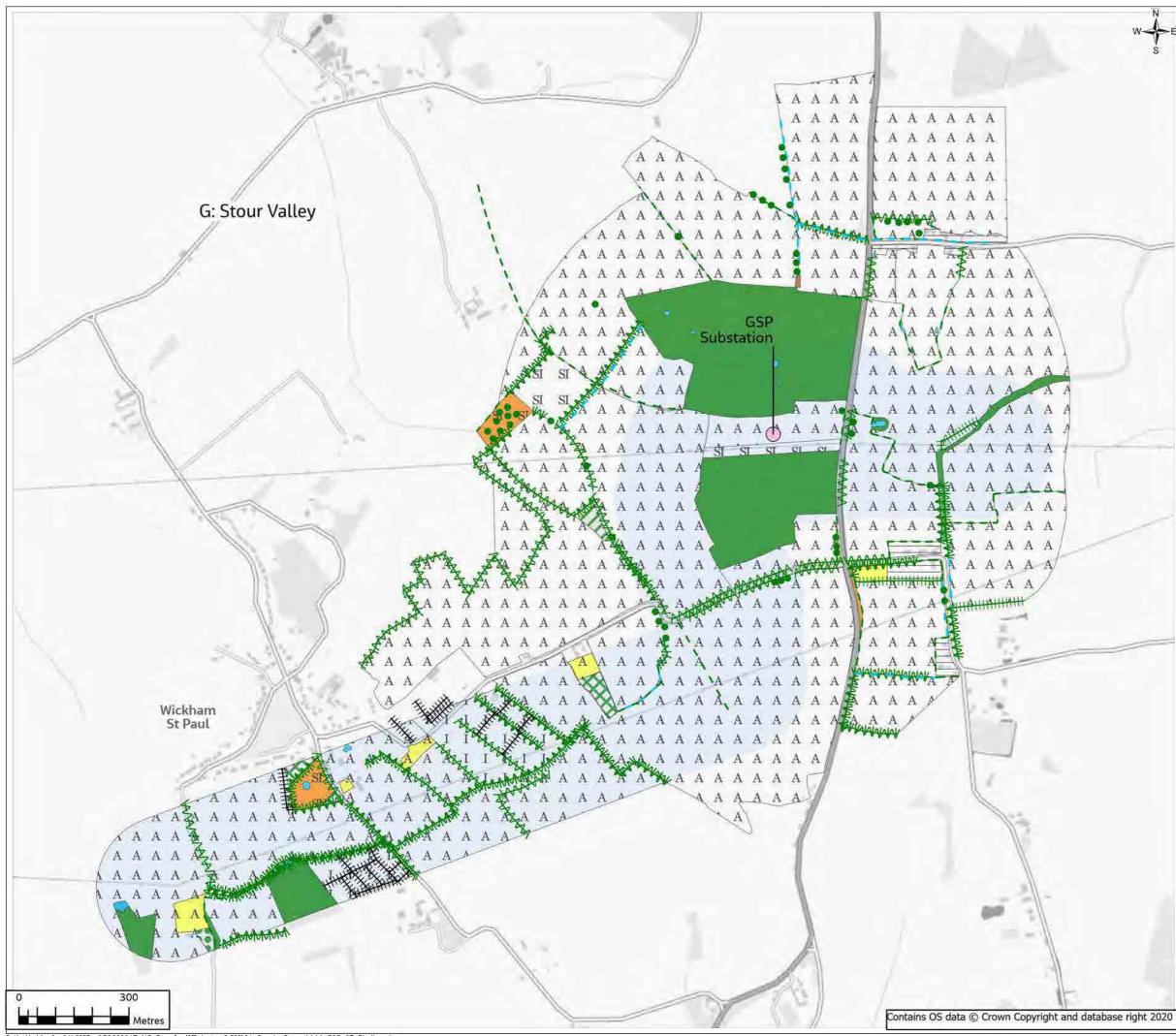


	FIG	URE 7.4	
Legend			
Scoping Proposition of the second state of t	cattered scrub cattered broad-leaved tree crub - dense/continuous nding water nning water Native species-rich intact Species-poor intact hedge Native species-rich defunct Species-poor defunct Native species-rich hedge s Species-poor hedge and ence	grassland B2.3 - Species- neutral grassla B2.4 - Species- neutral grassla B5 - Marsh/ma B6 - Poor semi C1.1 - Continue C3.1 - Tall rude F1 - Swamp G1 - Standing u G2 - Running V Z J1.1 - Arable J1.2 - Amenity	d scrub proved acid ved neutral proved neutral rich modified nd grassland rshy grassland -improved grassland pus bracken ral water vater
	Plantation broad-leaved	J1.4 - Introduc	ed shrub
	Plantation mixed	J4 - Bare grour	nd
1 04/2021	Final		
Rev. Date	Purpose of r		Drawn Check'd Rev'd
		acobs	
	160 Dundee St, Tel: +4	, Edinburgh, EH11 1DQ, 4(0)131 659 1500 ww.jacobs.com	UK.
Client Project	natio	nalg	
Drawing Title	Phase 1	l Habitat Survey	
	Pa	ge 10 of 11	
Drawing Status		Final	
Scale @ A3	1:10,000		DO NOT SCA
Jacobs No. Client No.	B2416601		
Drawing No.	AAA_B2B_07_Bio	diversity	
document are the without the writ Limitation: This Client, and is su Jacobs and the	21 Jacobs U.K. Limited. The te property of Jacobs. Use of ten permission of Jacobs co drawing has been prepared oject to, and issued in accor Client. Jacobs accepts no lis liance upon this drawing b	or copying of this docu Institutes an infringem on behalf of, and for t dance with, the provis Ibility or responsibility	ment in whole or in part ent of copyright. he exclusive use of Jacobs ions of the contract betwee



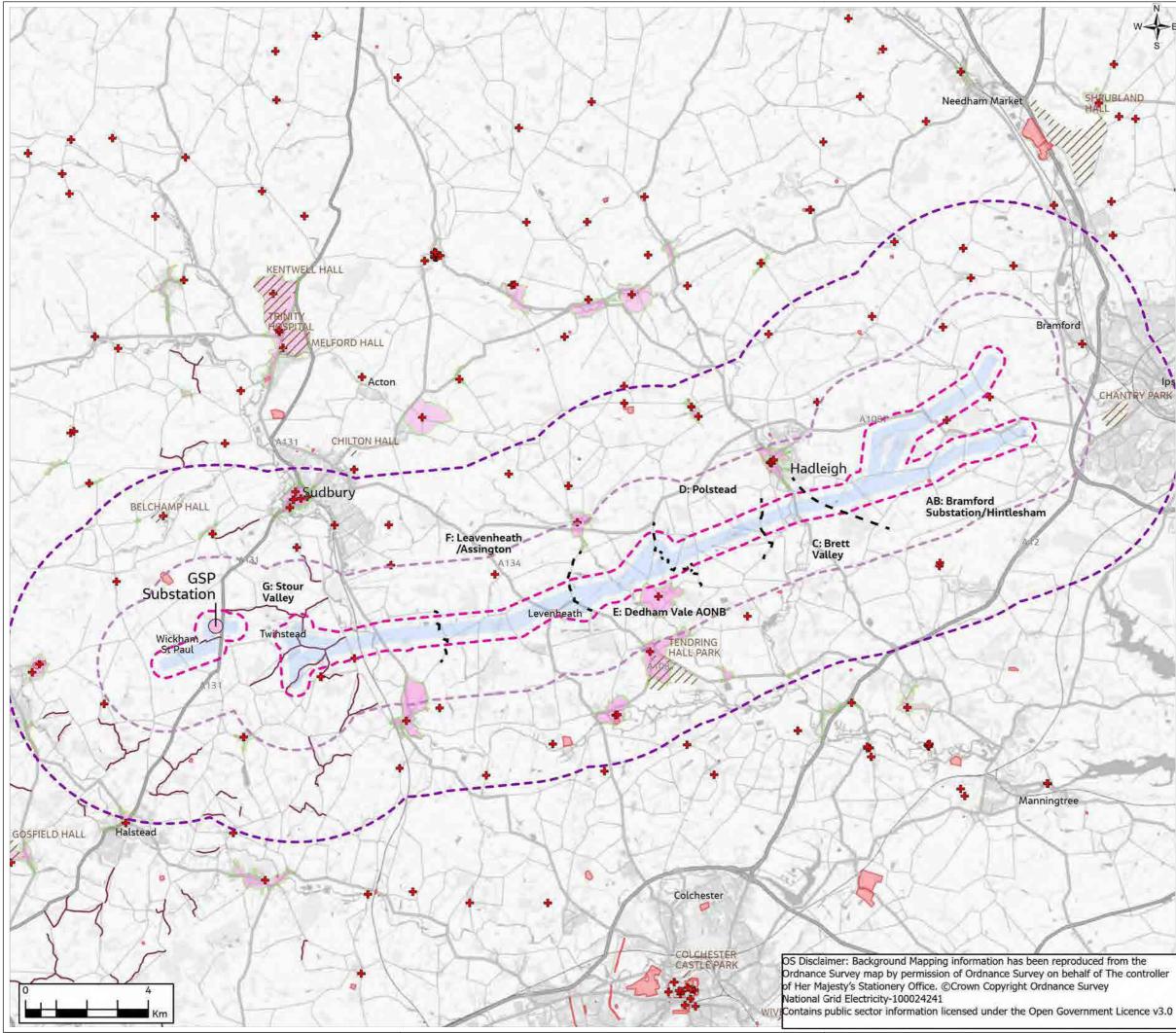
Path: \\gblon0vs01\GISProj\B2600017_NG_Bramford2Twinstead\GIS\01_ScopingReport\AAA_B2B_07_Biodiversity.aprx

FIGURE 7.4 Legend A1.1.1 - Semi-natural broad-leaved woodland Scoping Boundary Proposed Grid Supply Point (GSP) Substation A1.1.2 - Plantation broad-leaved A2.1 - Dense/continuous scrub A3.1 - Scattered broad-leaved tree A3.1 - Broad-leaved parkland/ scattered trees B2.2 - Semi-improved neutral grassland J2.11 - Native species-rich intact B2.3 - Species-rich modified neutral grassland - • J2.12 - Species-poor intact hedge J2.21 - Native species-rich defunct hedge B4 - Improved grassland B6 - Poor semi-improved grassland J2.22 - Species-poor defunct hedge C1.1 - Continuous bracken J2.31 - Native species-rich hedge and trees G1 - Standing water J1.1 - Arable J2.32 - Species-poor hedge and trees J1.2 - Amenity grassland HH J2.4 - Fence J37 - Track J2.6 - Dry ditch

1 1 1 2 2	Sudbury Halstead	ladleigi f			wich	ていてい
1 04/2021	Final		PM	тс	тс	cw
Rev. Date	Purpose of revision		Drawn	Check'd	Rev'd	Appr'd
	Jacob	c		. 1		•
	160 Dundee St, Edinburgh, E Tel: +44(0)131 659 www.jacobs.com	H11 1DQ, 1500	UK.			
Client	nationa	lg	ri	d		
Project	BRAMFORD TO TW	INSTEA	D			
Drawing Title	_	_				
	Phase 1 Habitat	Survey				
	Page 11 of 1	1				
Drawing Status	Final					
Scale @ A3	Scale @ A3 1:10,000 DO NOT SCALE					
Jacobs No.						
Client No. Drawing No.	AAA_B2B_07_Biodiversity					
© Copyright 2021 Jacobs U.K. Limited. The concepts and information contained in this document are the property of Jacobs. Use or copying of this document in whole or in part without the written permission of Jacobs constitutes an infringement of copyright. Limitation: This drawing has been prepared on behalf of, and for the exclusive use of Jacobs' Client, and is subject to, and issued in accordance with, the provisions of the contract between Jacobs and the Client. Jacobs accepts no liability or responsibility whatsoever for, or in respect of, any use of, or reliance upon, this drawing by any third party.						

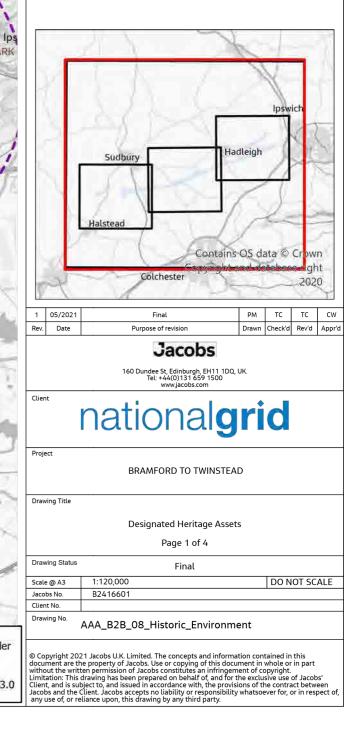
Figure 7.5: Biodiversity Baseline for Selected Receptors (CONFIDENTIAL)

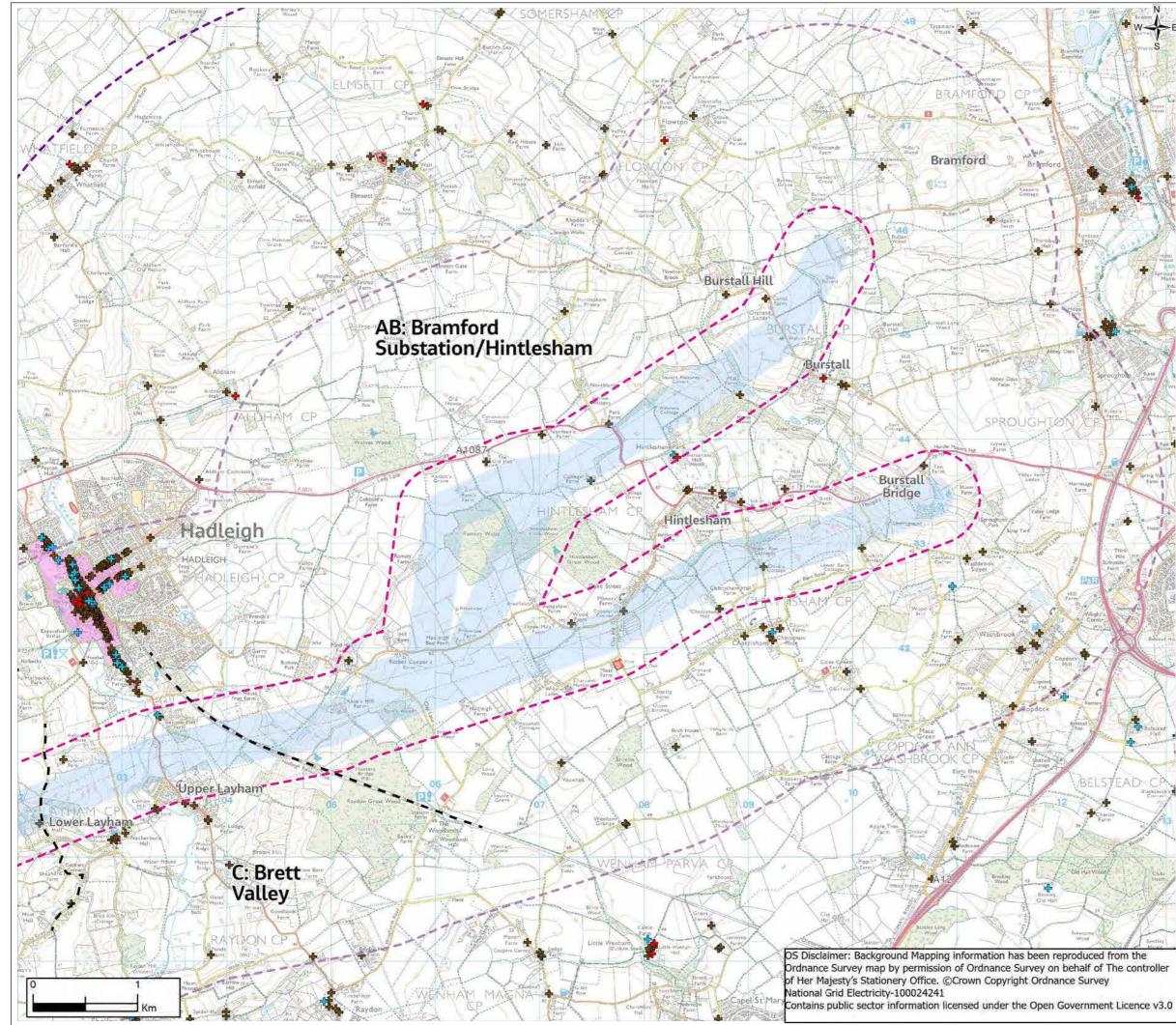
This figure has been removed from this document as it contains confidential information that can only be shared with those who can demonstrate a legitimate need to view it.



Path: \\gblon0vs01\GISProj\B2600017_NG_Bramford2Twinstead\GIS\01_ScopingReport\AAA_B2B_08_Historic_Environment.aprx

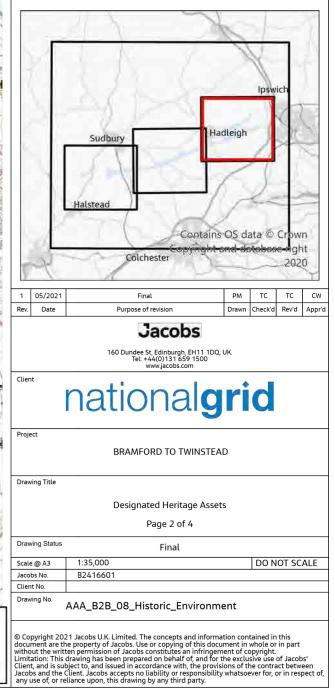
- Section boundaries
- Scoping Boundary
- Proposed Grid Supply Point (GSP) Substation
- Distance marker (250m)
- 📑 Distance marker (2km)
- Wider study area (5km)
 - Protected Lanes
- Conservation Areas
- Registered Parks and Gardens
- Scheduled Monuments
- + Grade I Listed Buildings

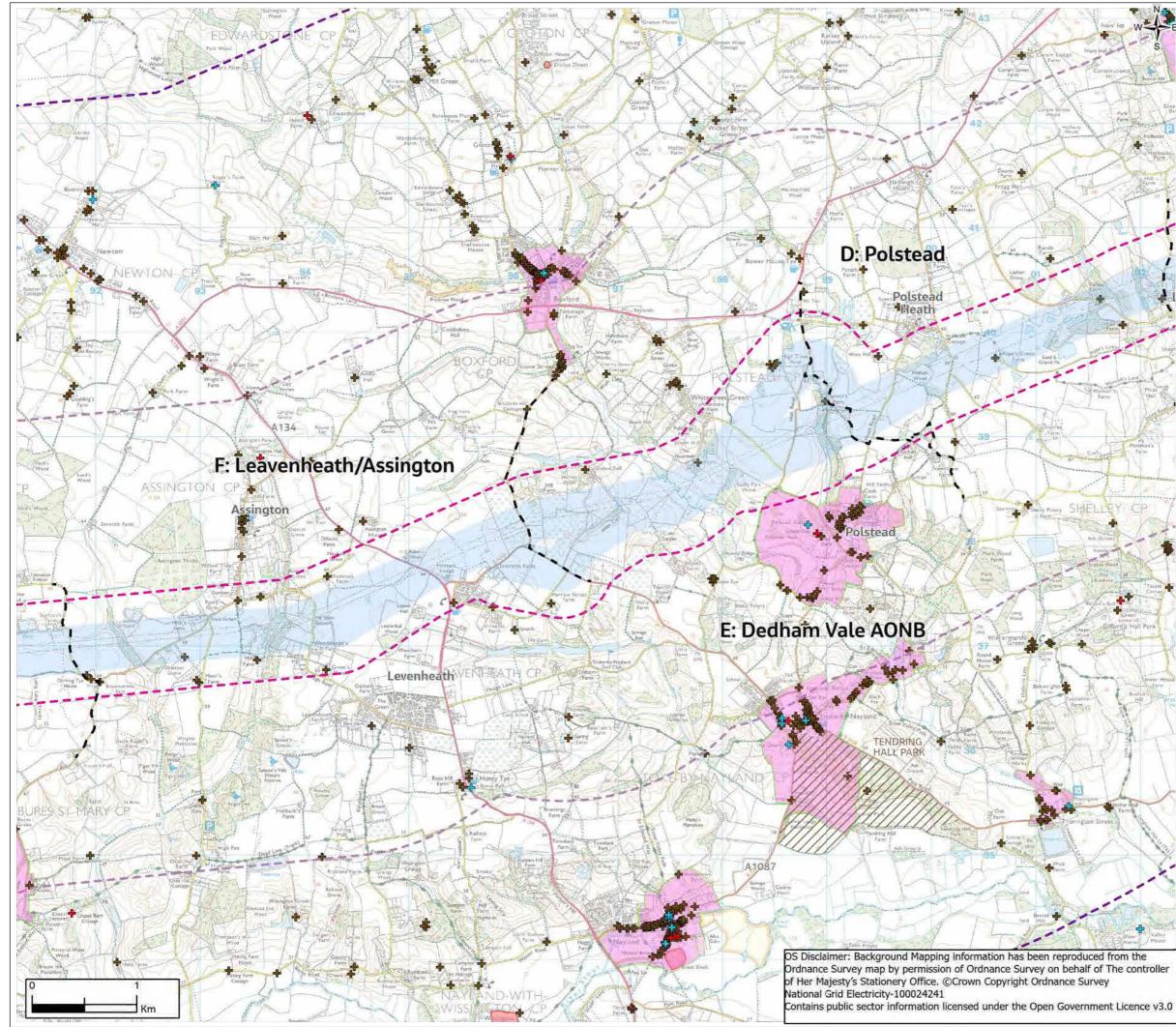




Path: \\gblon0vs01\GISProj\B2600017_NG_Bramford2Twinstead\GIS\01_ScopingReport\AAA_B2B_08_Historic_Environment.aprx

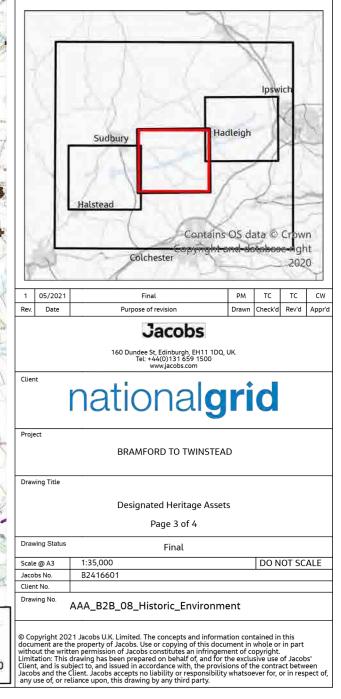
- Section boundaries
- Scoping Boundary
- Proposed Grid Supply Point (GSP) Substation
- Distance marker (250m)
- Distance marker (2km)
- 📑 Wider study area (5km)
- Protected Lanes
- Conservation Areas
- Registered Parks and Gardens
- Scheduled Monuments
- + Grade I Listed Buildings
- 🕂 Grade II* Listed Buildings
- + Grade II Listed Buildings

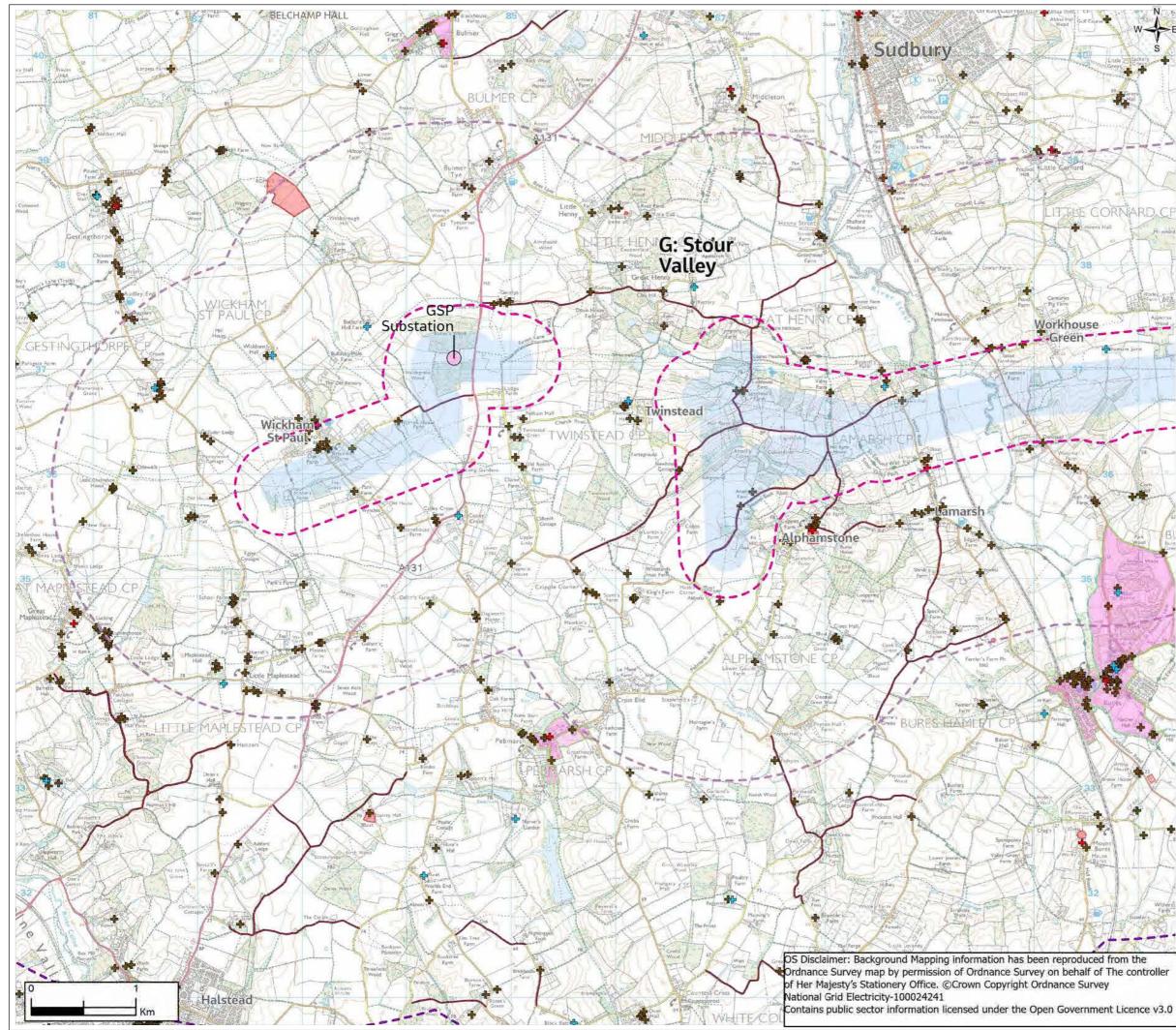




Path: \\gblon0vs01\GISProj\B2600017_NG_Bramford2Twinstead\GIS\01_ScopingReport\AAA_B2B_08_Historic_Environment.aprx

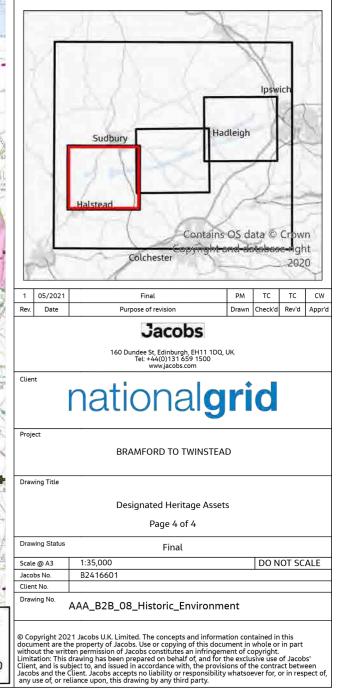
- Section boundaries
- Scoping Boundary
- Proposed Grid Supply Point (GSP) Substation
- Distance marker (250m)
- Distance marker (2km)
- Wider study area (5km)
 - Protected Lanes
- Conservation Areas
- // Registered Parks and Gardens
- Scheduled Monuments
- + Grade I Listed Buildings
- 🕂 Grade II* Listed Buildings
- + Grade II Listed Buildings

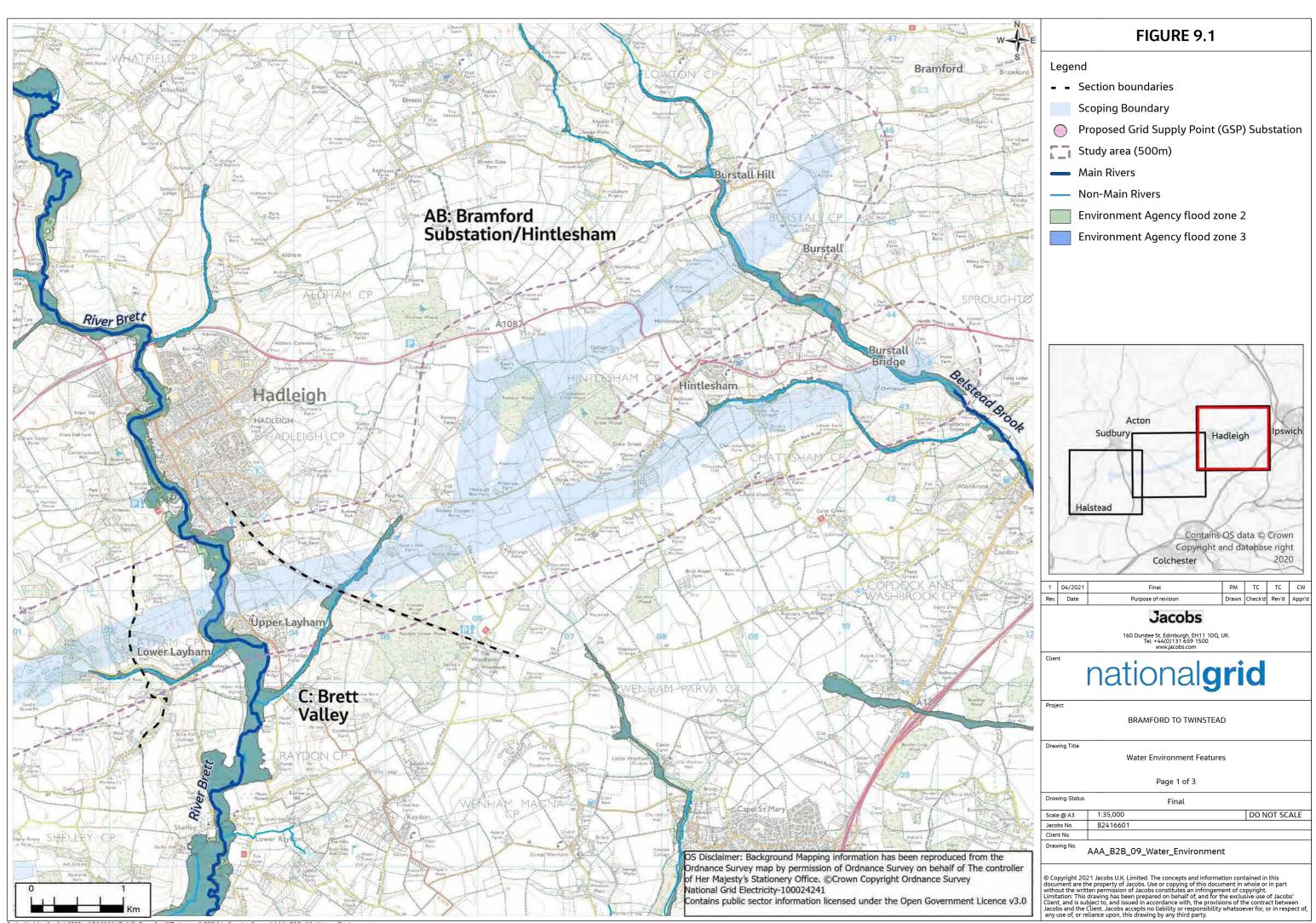




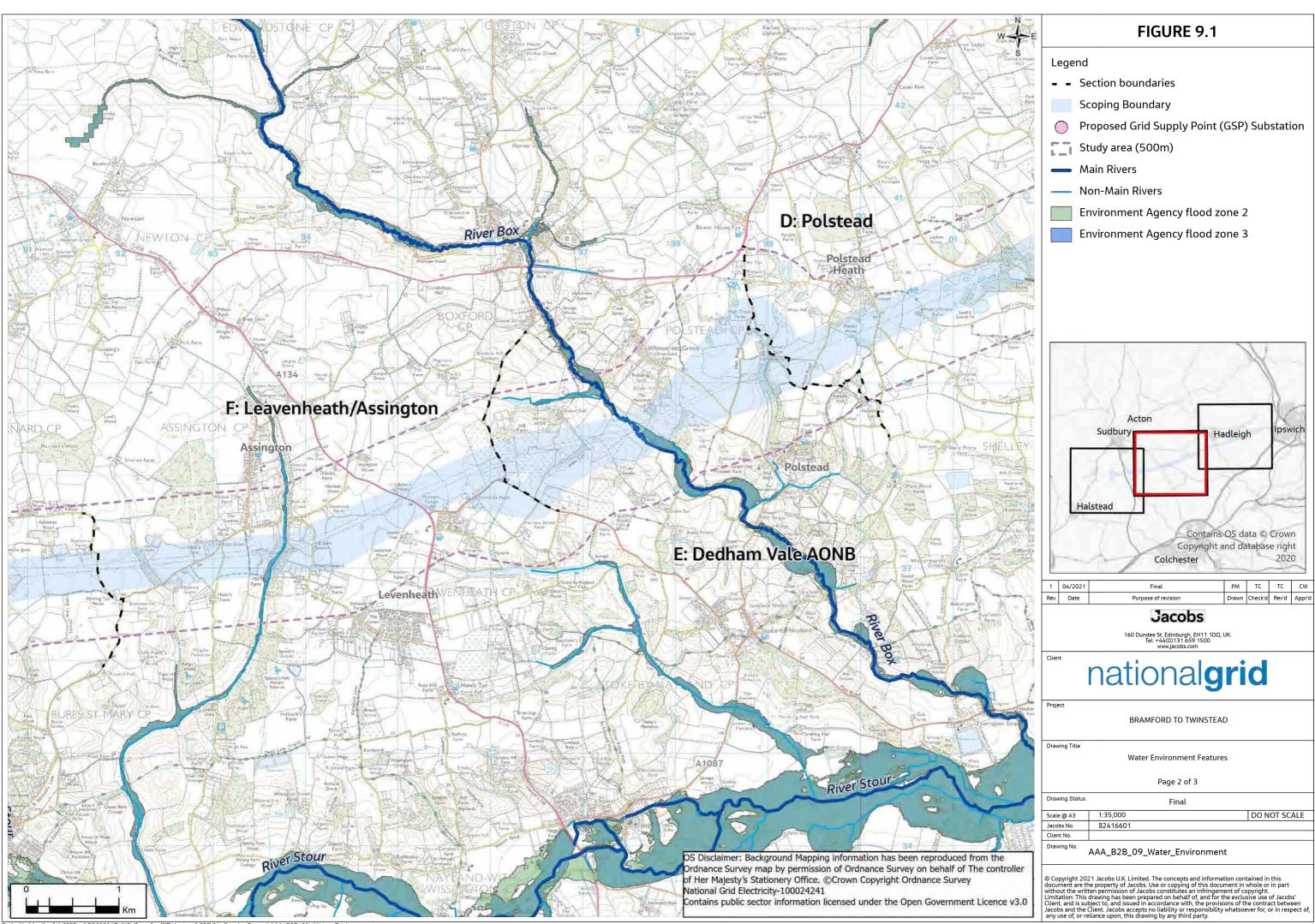
Path: \\gblon0vs01\GISProj\B2600017_NG_Bramford2Twinstead\GIS\01_ScopingReport\AAA_B2B_08_Historic_Environment.aprx

- Section boundaries
- Scoping Boundary
- Proposed Grid Supply Point (GSP) Substation
- Distance marker (250m)
- Distance marker (2km)
- **U**ider study area (5km)
- Protected Lanes
- Conservation Areas
- Registered Parks and Gardens
- Scheduled Monuments
- + Grade I Listed Buildings
- 🕂 Grade II* Listed Buildings
- + Grade II Listed Buildings

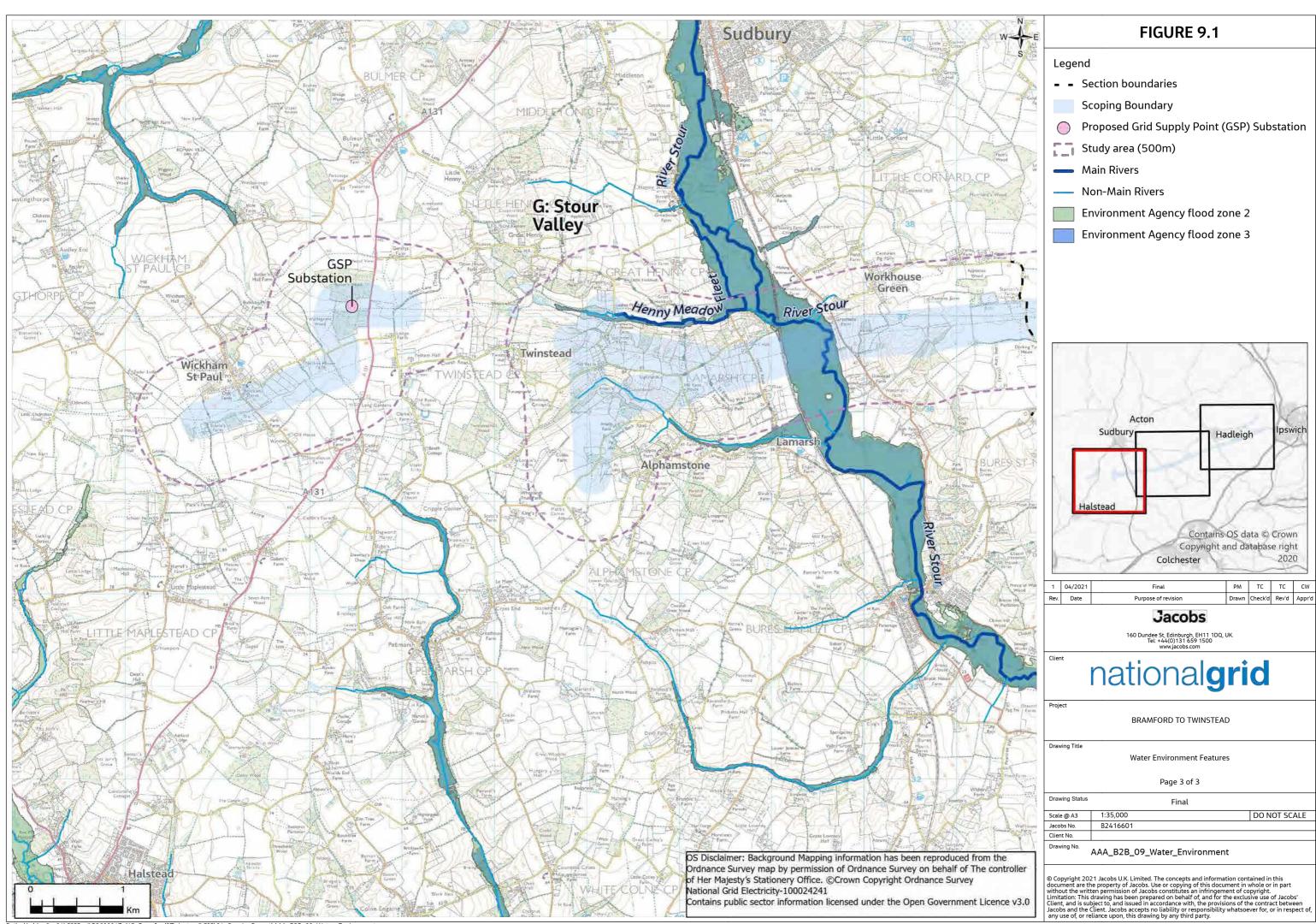




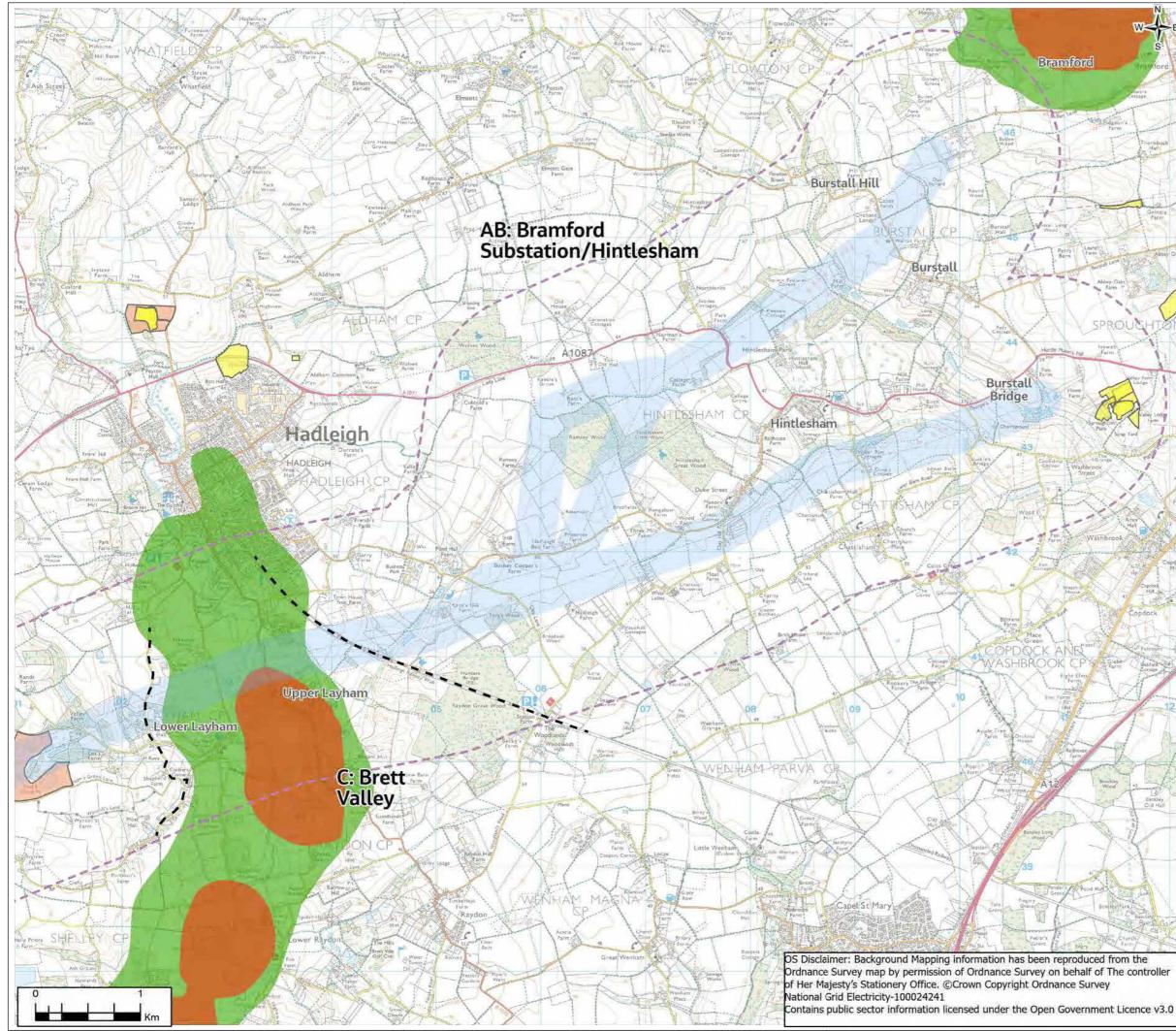
Path: \\gblon0vs01\GISProj\B2600017_NG_Bramford2Twinstead\GIS\01_ScopingReport\AAA_B2B_09_Water_Environment.aprx



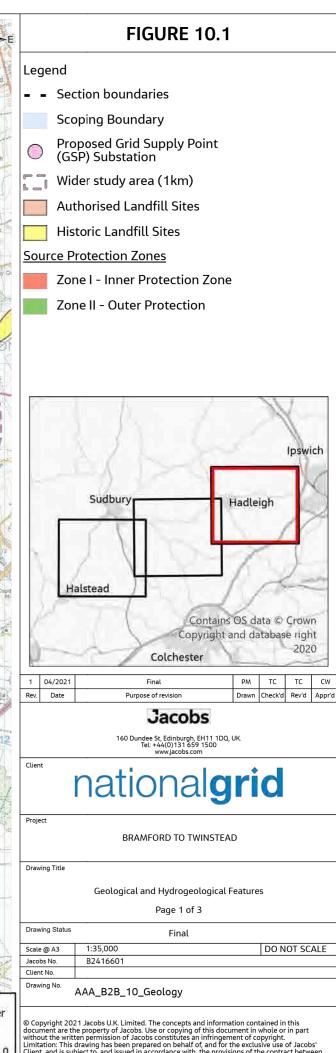
Path: \\gblon0vs01\GISProj\B2600017_NG_Bramford2Twinstead\GIS\01_ScopingReport\AAA_B2B_09_Water_Environment.aprx



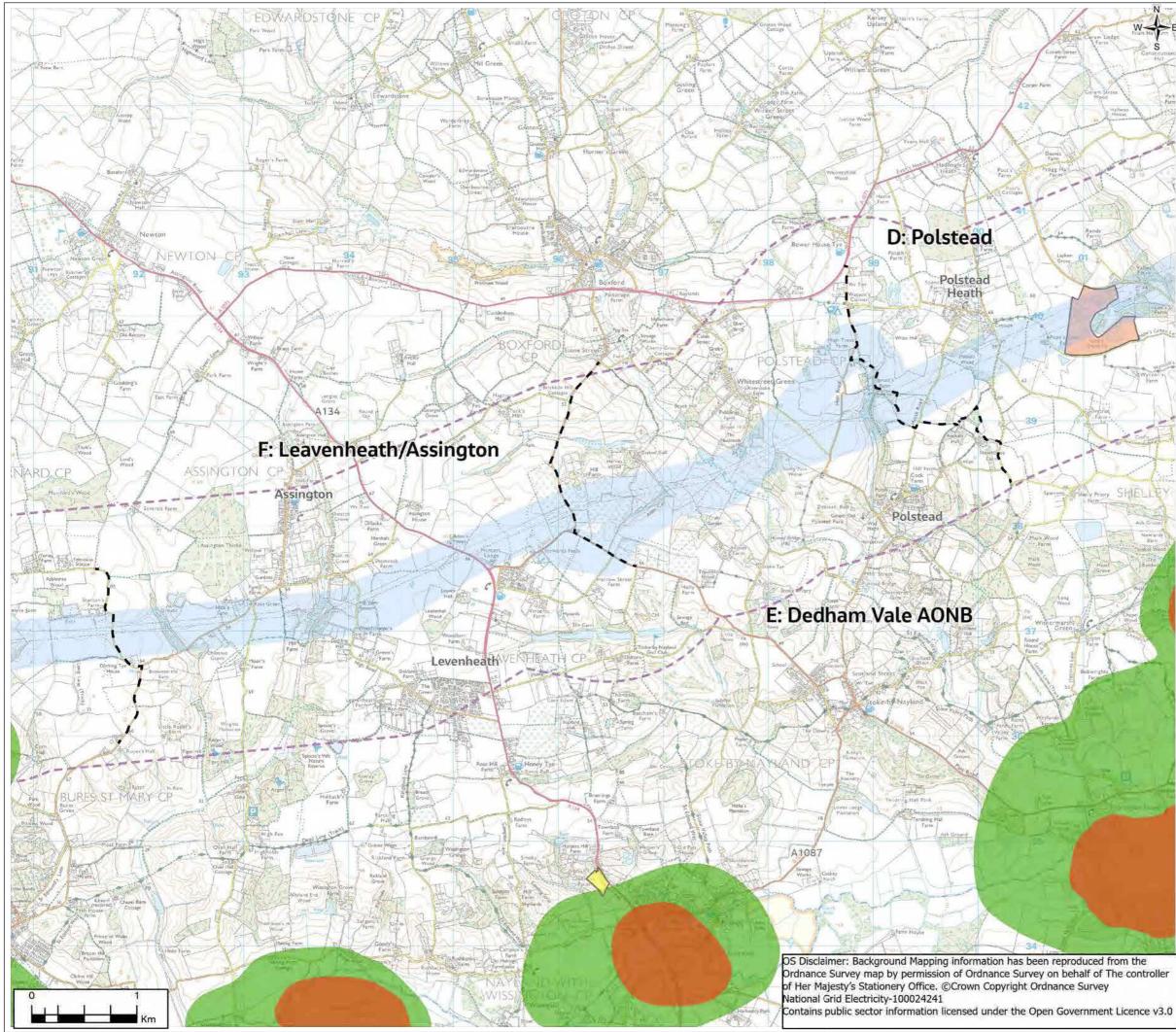
Path: \\gblon0vs01\GISProj\B2600017_NG_Bramford2Twinstead\GIS\01_ScopingReport\AAA_B2B_09_Water_Environment.aprx



Path: \\gblon0vs01\GISProj\B2600017_NG_Bramford2Twinstead\GIS\01_ScopingReport\AAA_B2B_10_Geology.aprx



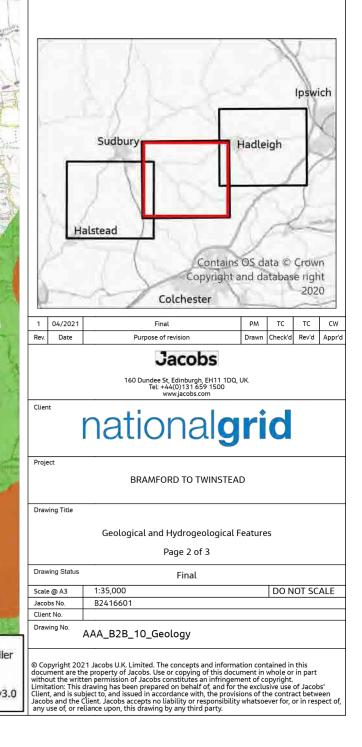
I	Client, and is subject to, and issued in accordance with, the provisions of the contract between Jacobs and the Client. Jacobs accepts no liability or responsibility whatsoever for, or in respect of
	any use of, or reliance upon, this drawing by any third party.

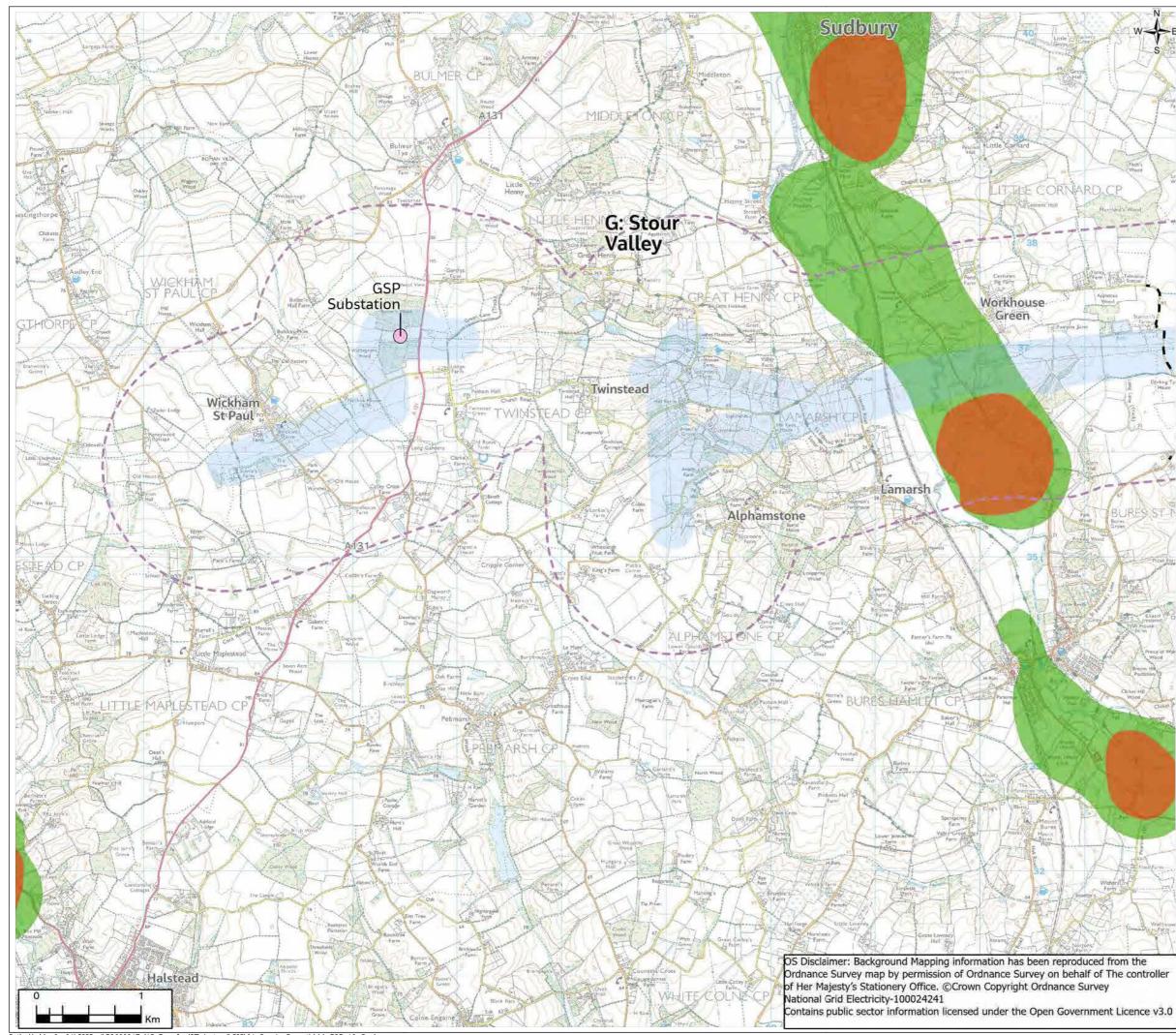


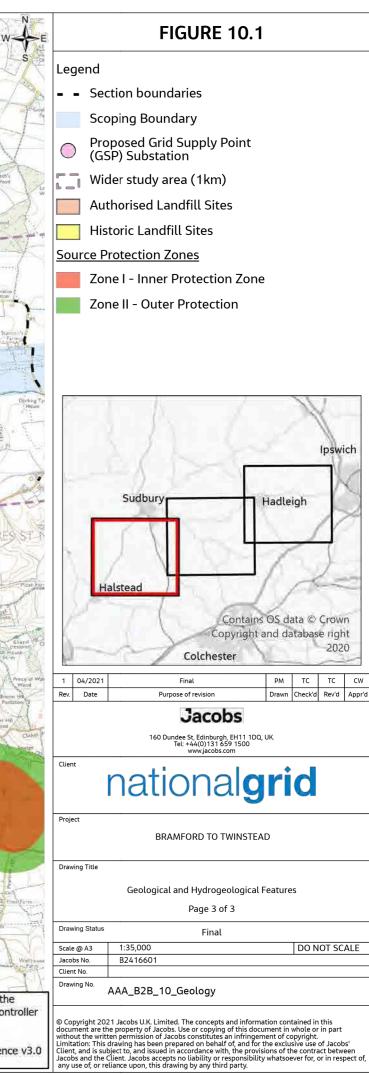
Path: \\gblon0vs01\GISProj\B2600017_NG_Bramford2Twinstead\GIS\01_ScopingReport\AAA_B2B_10_Geology.aprx

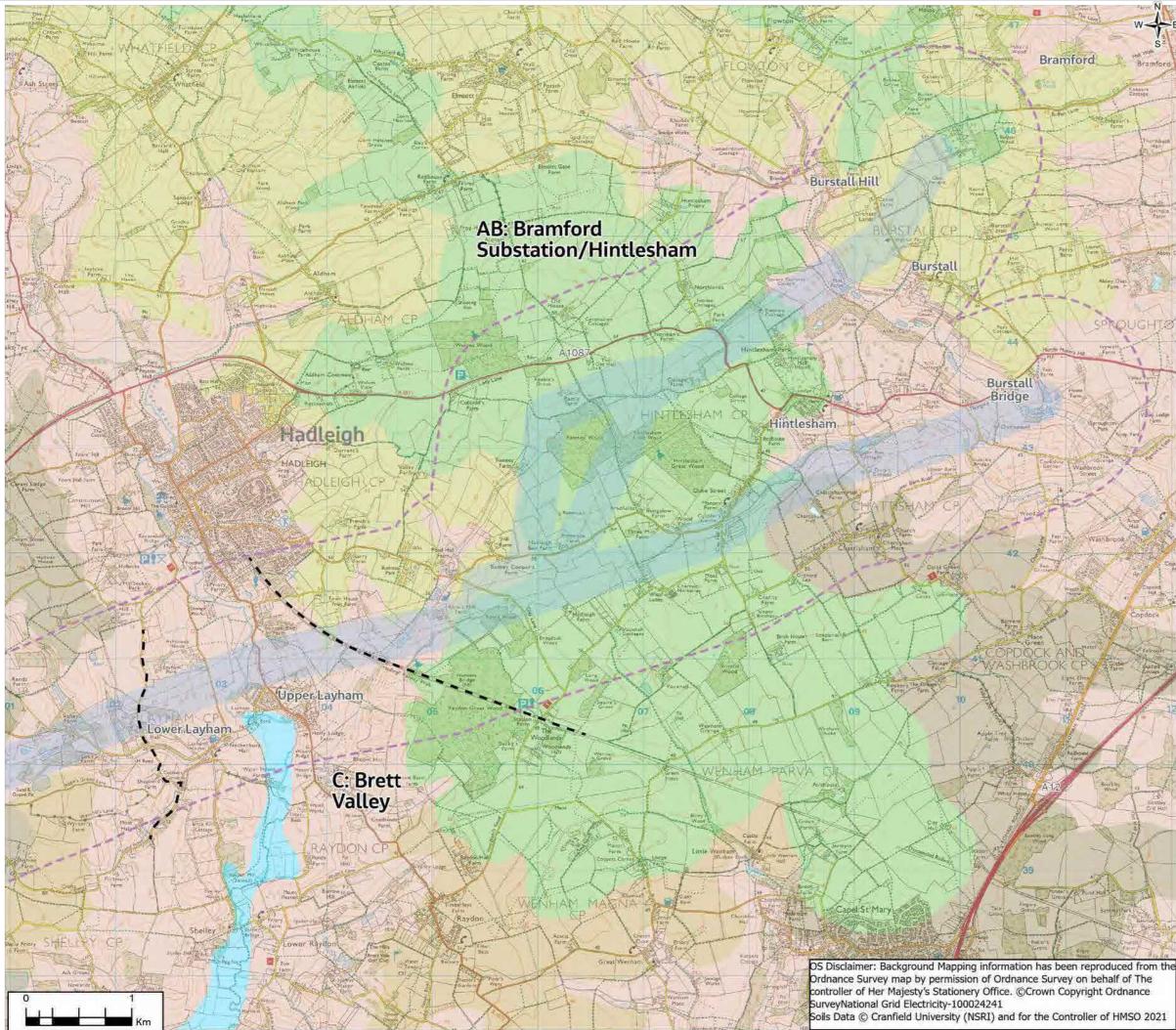
FIGURE 10.1

- Section boundaries
- Scoping Boundary
- Proposed Grid Supply Point (GSP) Substation
- Wider study area (1km)
- Authorised Landfill Sites
- Historic Landfill Sites
- Source Protection Zones
 - Zone I Inner Protection Zone
 - Zone II Outer Protection









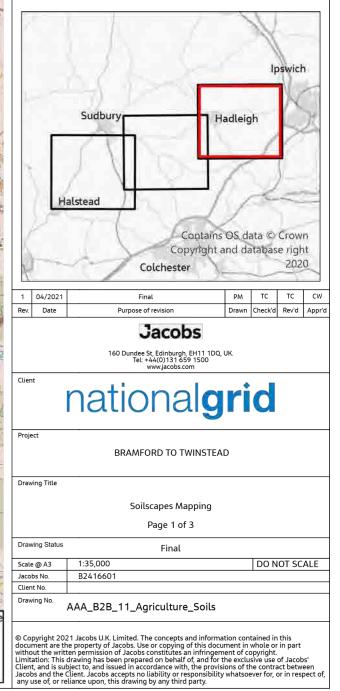
\gblon0vs01\GISProj\B2600017_NG_Bramford2Twinstead\GIS\01_ScopingReport\AAA_B2B_11_Agriculture_Soils.aprx

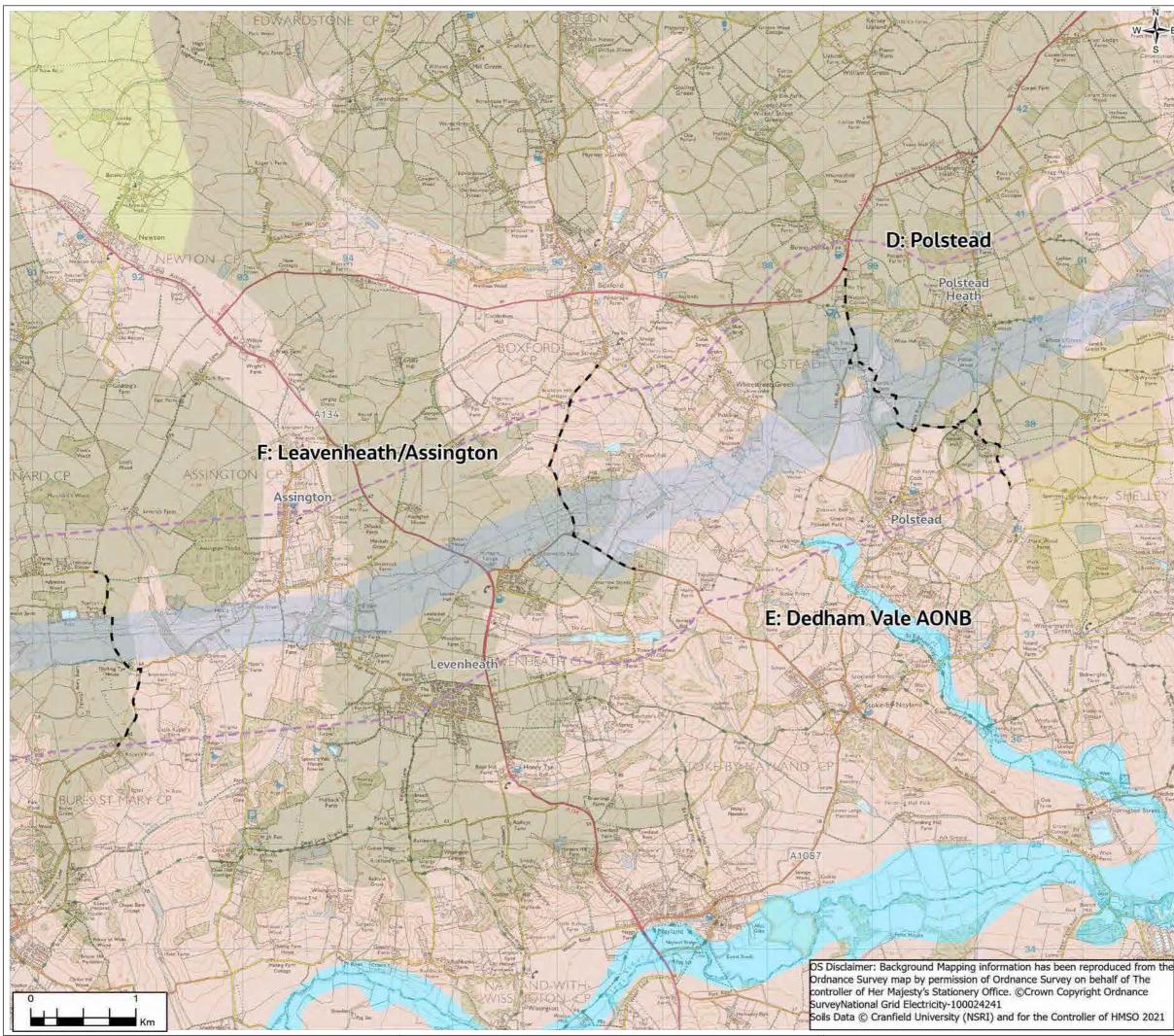
Legend

- - Section boundaries
- Scoping Boundary
- Proposed Grid Supply Point (GSP) Substation \bigcirc
- 💶 🔄 Study area (1km)

<u>Soilscapes</u>

- Freely draining slighty acid loamy soils
- Lime-rich loamy and clayey soils with impeded drainage
- Slightly acid loamy and clayey soils with impeded drainage
- Slowly permeable seasonally wet slighty acid but base-rich loamy and clayey soils
- Freely draining slightly acid but base-rich soils
- Loamy and clayey floodplain soils with naturally high groundwater
- Water





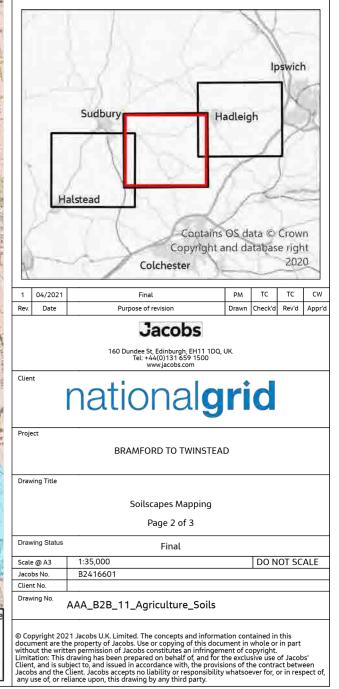
\\gblon0vs01\GISProj\B2600017_NG_Bramford2Twinstead\GIS\01_ScopingReport\AAA_B2B_11_Agriculture_Soils.aprx

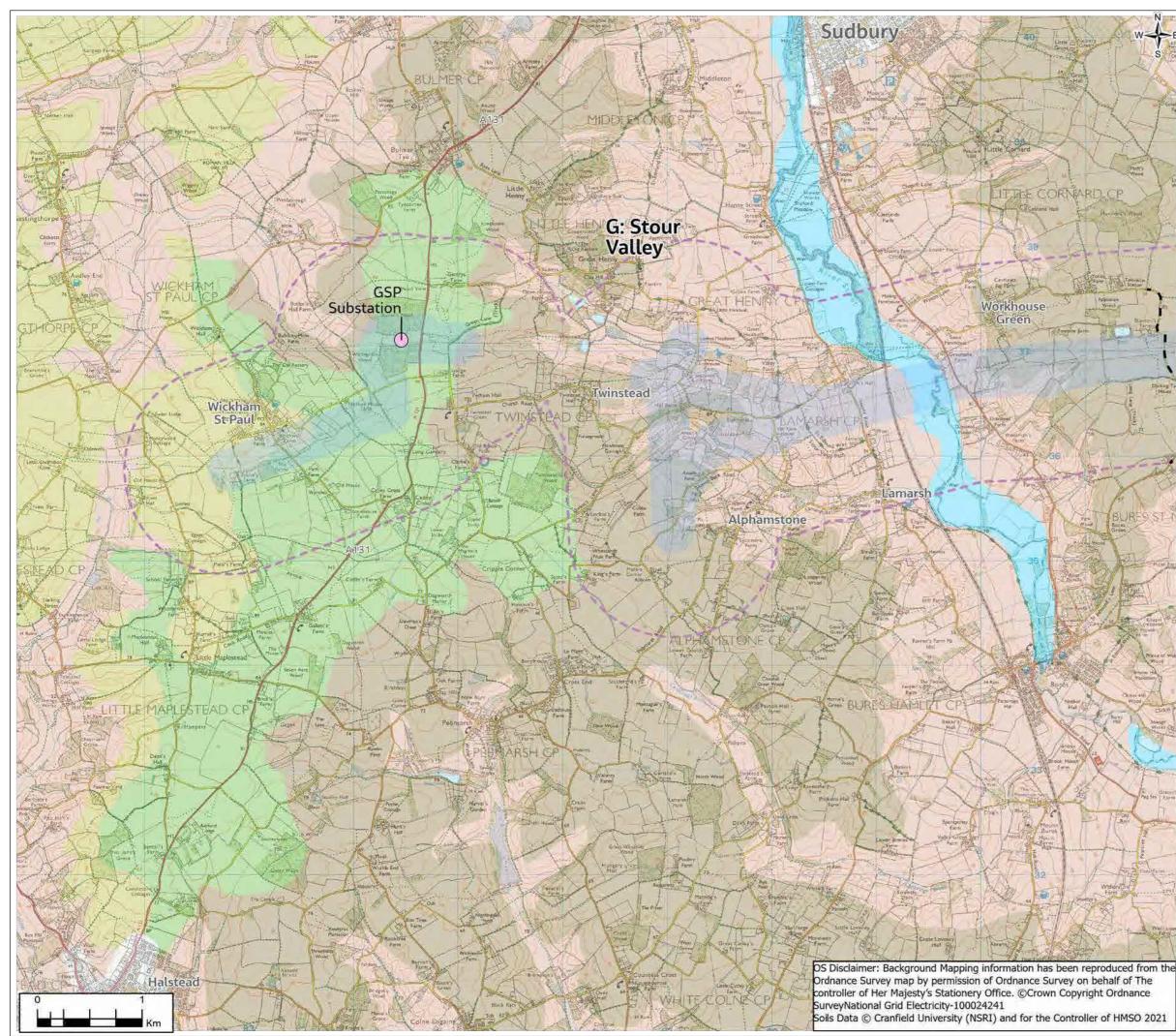
Legend

- Section boundaries
- Scoping Boundary
- Proposed Grid Supply Point (GSP) Substation
- 💶 🔄 Study area (1km)

<u>Soilscapes</u>

- Freely draining slighty acid loamy soils
- Lime-rich loamy and clayey soils with impeded drainage
- Slightly acid loamy and clayey soils with impeded drainage ; [:
- Slowly permeable seasonally wet slighty acid but base-rich loamy and clayey soils
- Freely draining slightly acid but base-rich soils
- Loamy and clayey floodplain soils with naturally high groundwater
- Water



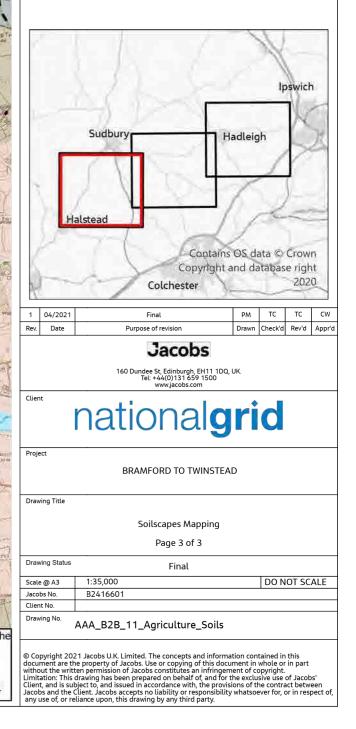


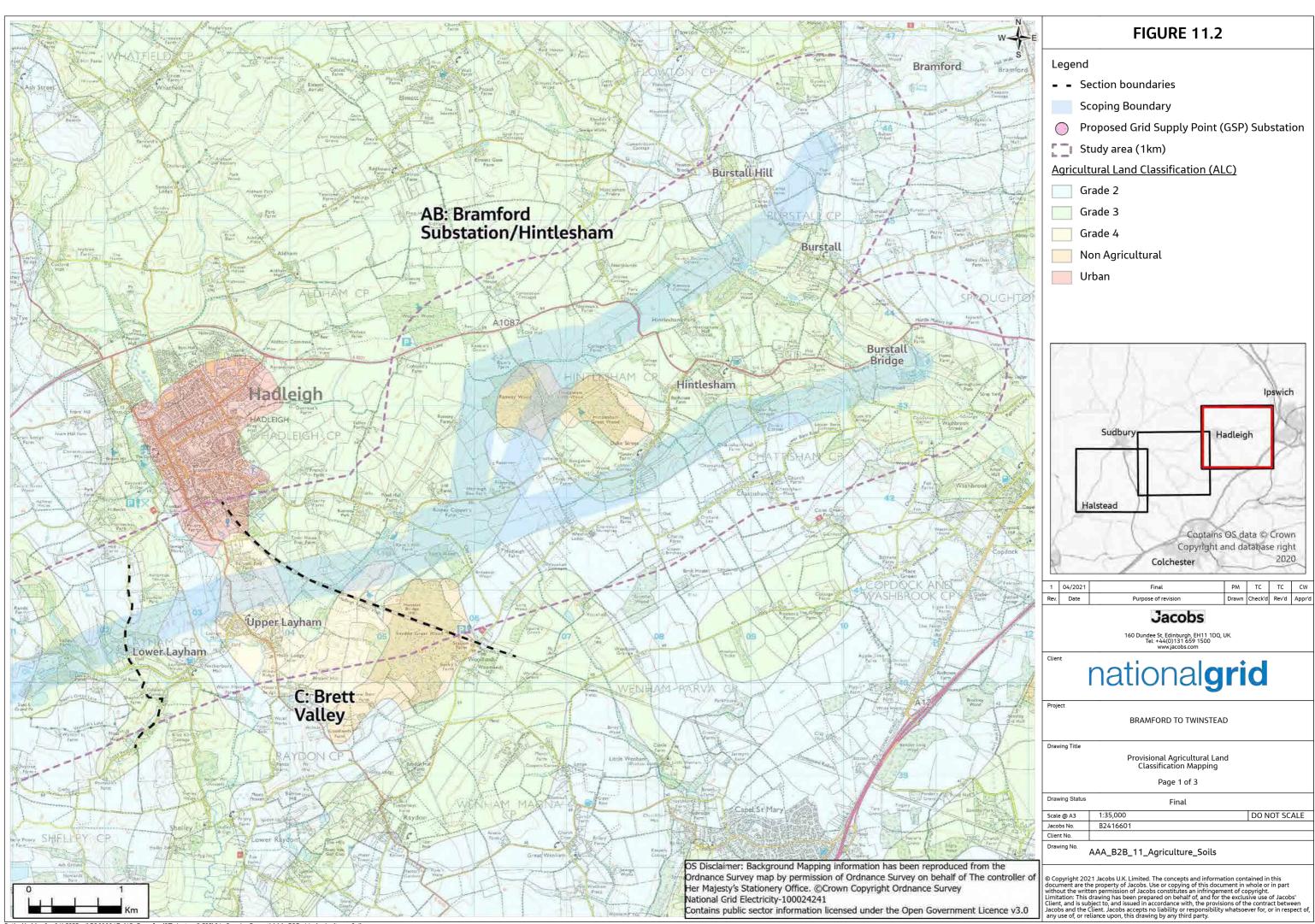
Legend

- Section boundaries
- Scoping Boundary
- Proposed Grid Supply Point (GSP) Substation
- \llbracket 📱 Study area (1km)

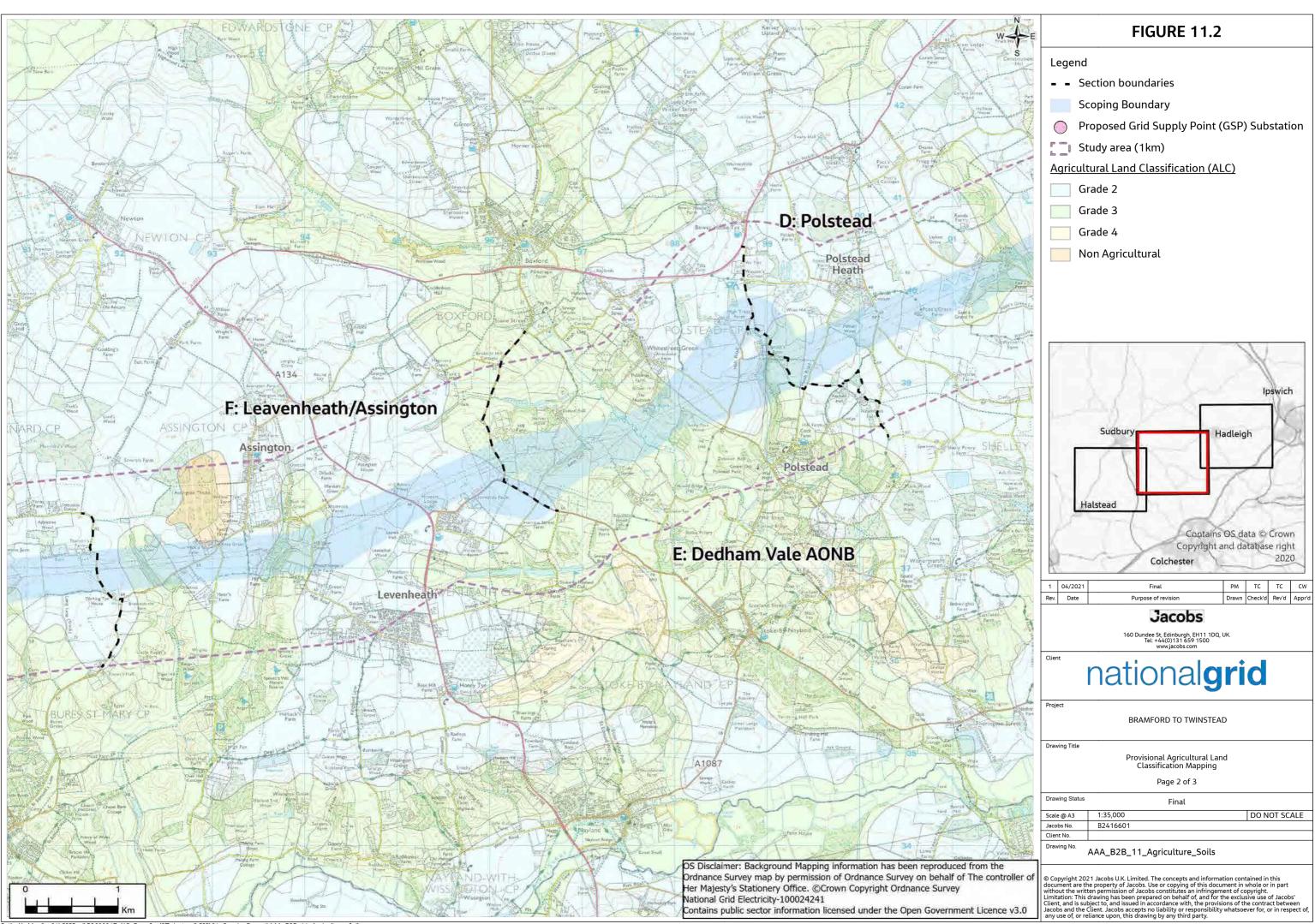
<u>Soilscapes</u>

- Freely draining slighty acid loamy soils
- Lime-rich loamy and clayey soils with impeded drainage
- Slightly acid loamy and clayey soils with impeded drainage
- Slowly permeable seasonally wet slighty acid but base-rich loamy and clayey soils
- Freely draining slightly acid but base-rich soils
- Loamy and clayey floodplain soils with naturally high groundwater
- Water

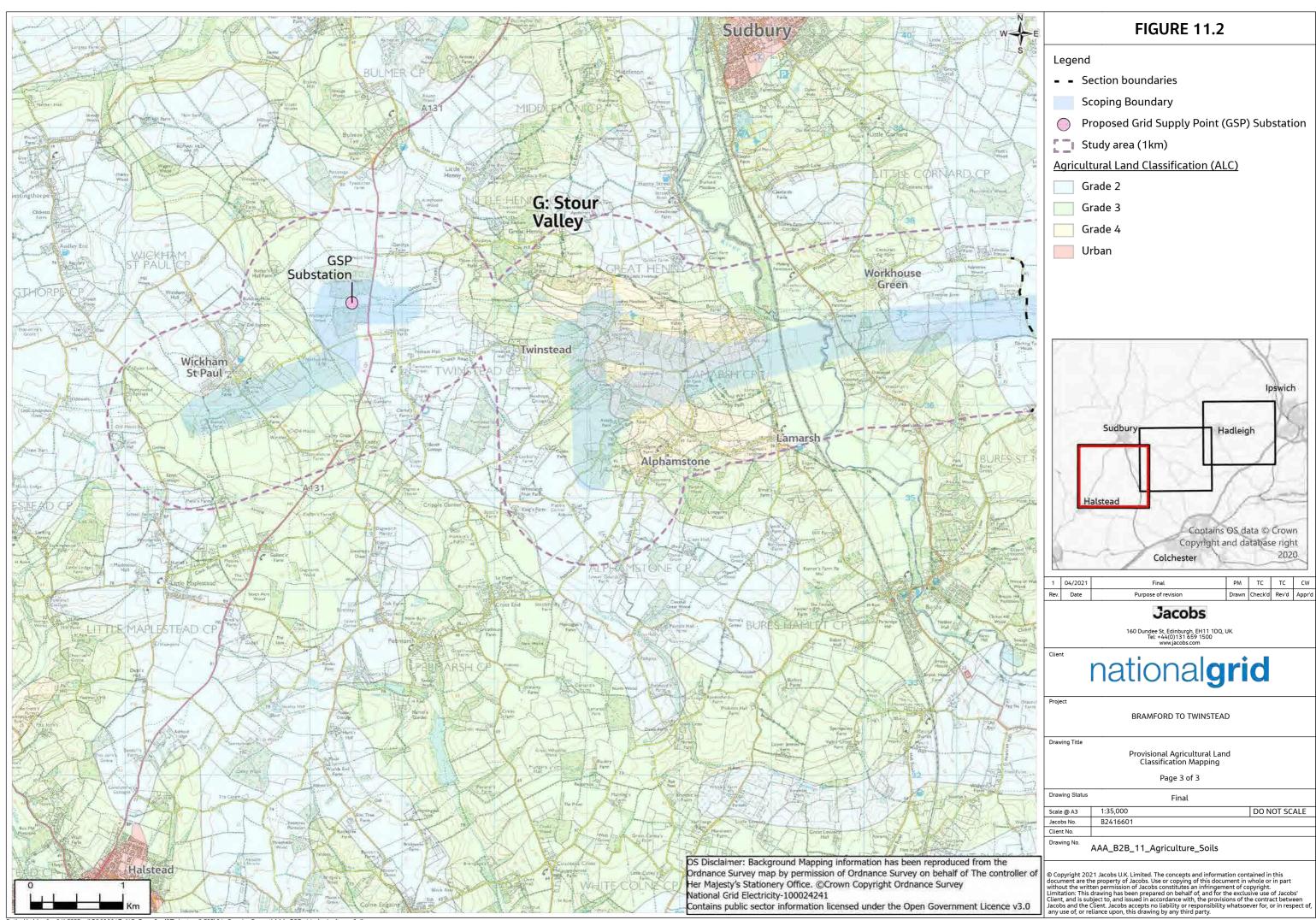


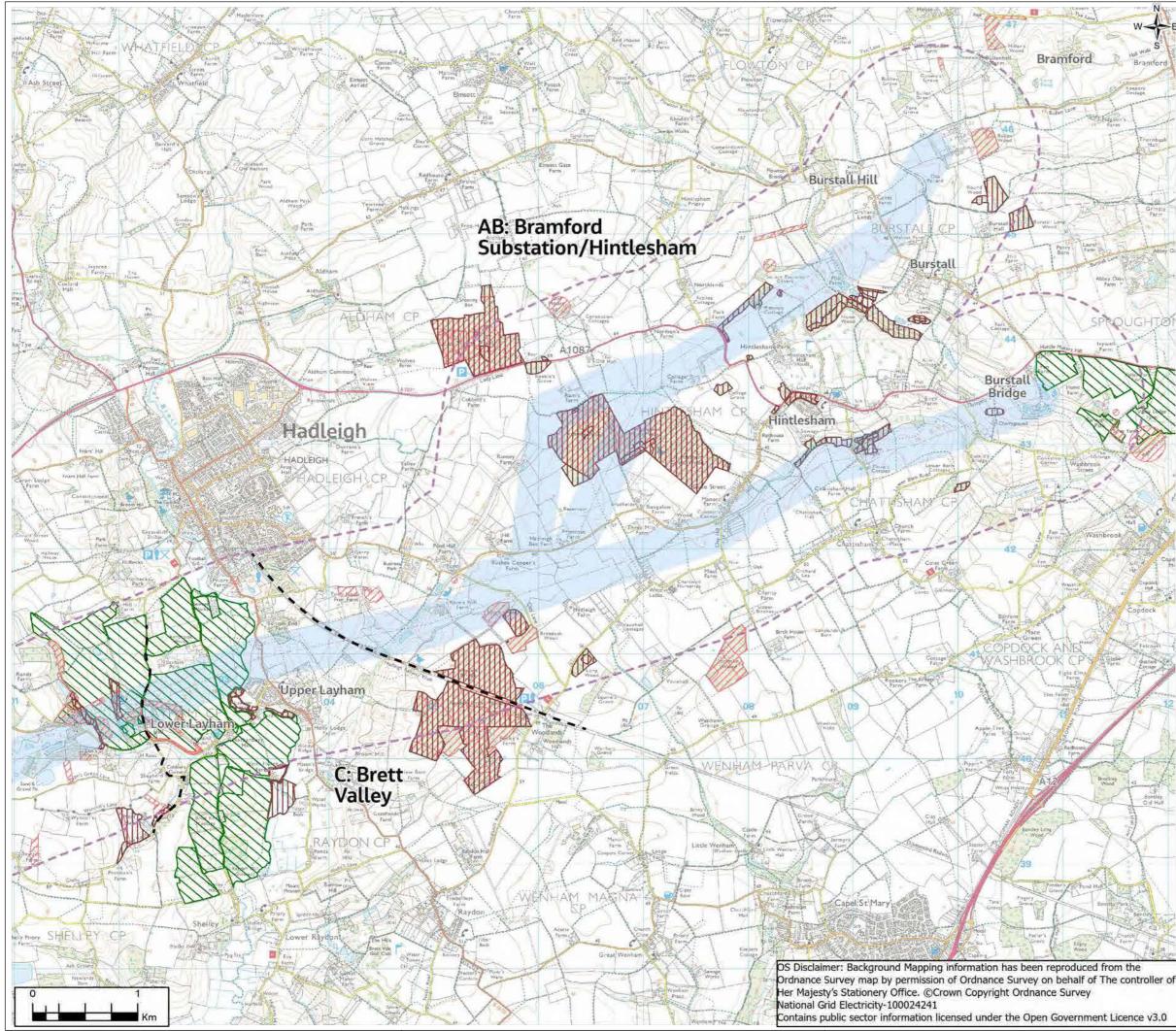


Path: \\gblon0vs01\GISProj\B2600017_NG_Bramford2Twinstead\GIS\01_ScopingReport\AAA_B2B_11_Agriculture_Soils.aprx



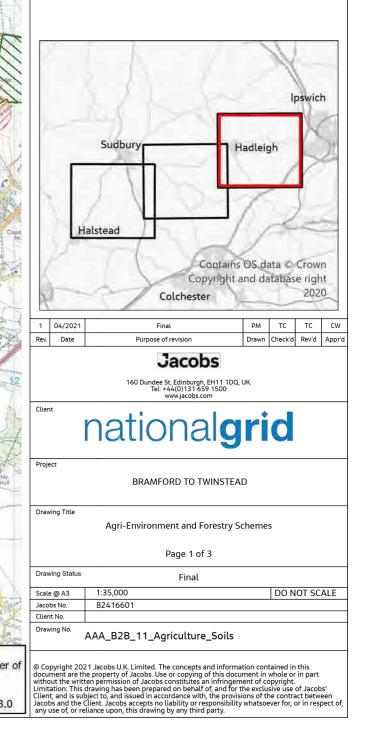
Path: \\gblon0vs01\GISProj\B2600017_NG_Bramford2Twinstead\GIS\01_ScopingReport\AAA_B2B_11_Agriculture_Soils.aprx

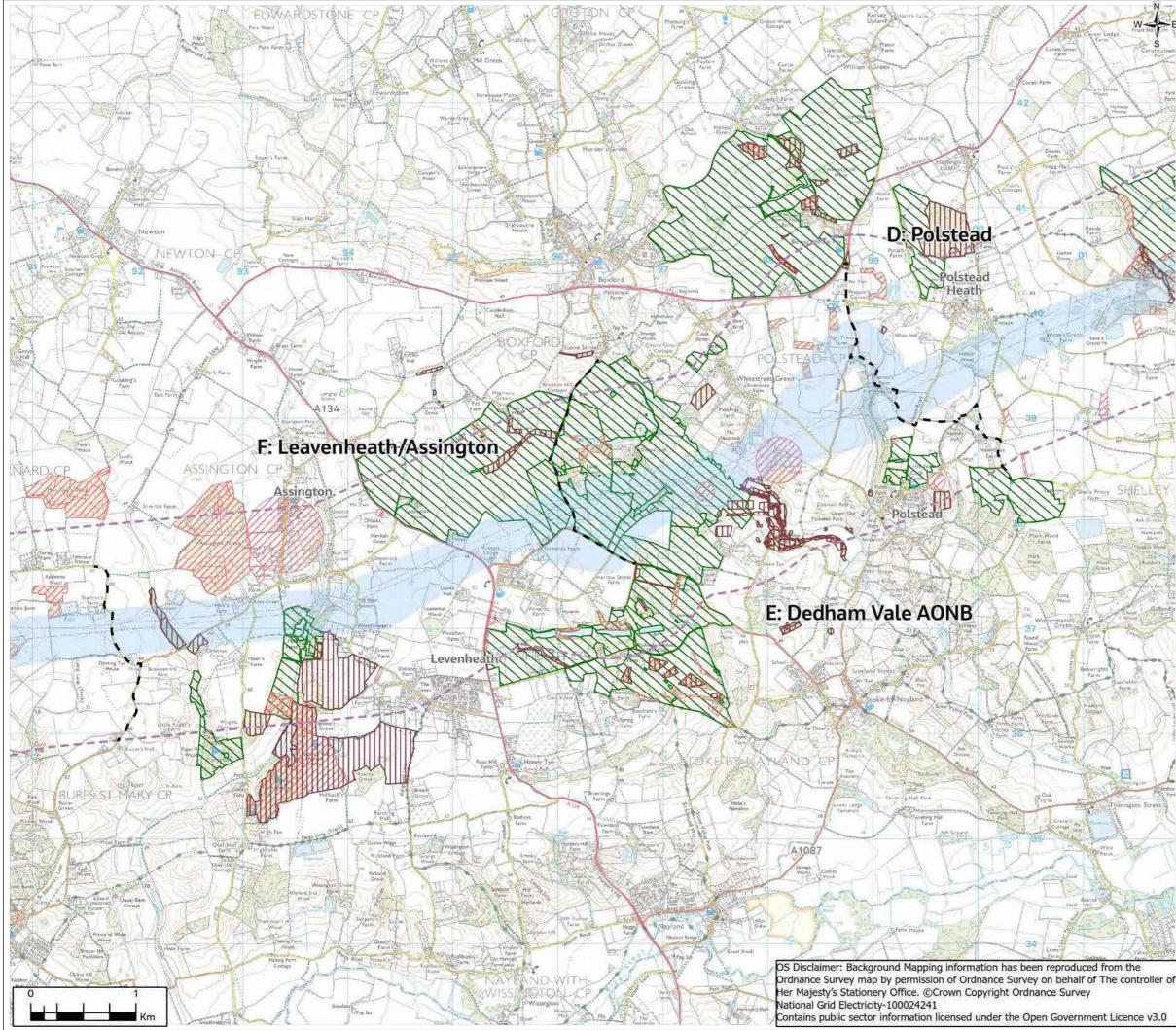




Path: \\gblon0vs01\GISProj\B2600017_NG_Bramford2Twinstead\GIS\01_ScopingReport\AAA_B2B_11_Agriculture_Soils.aprx

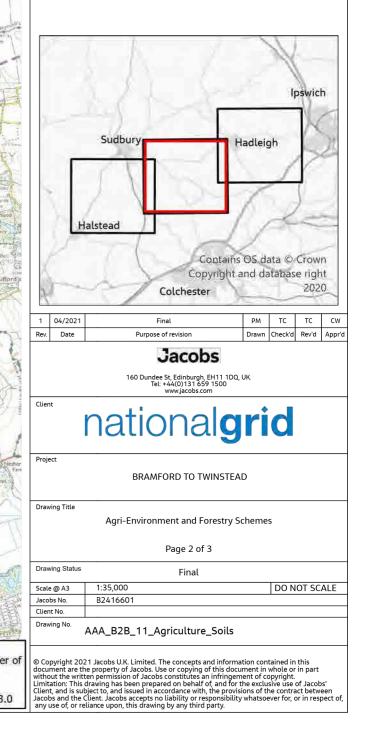
- - Section boundaries
- Scoping Boundary
- Proposed Grid Supply Point (GSP) Substation
- Study area (1km)
- Felling licence applications
- Woodland grant schemes
- Environmental stewardship agreements
- Entry level plus higher level stewardship

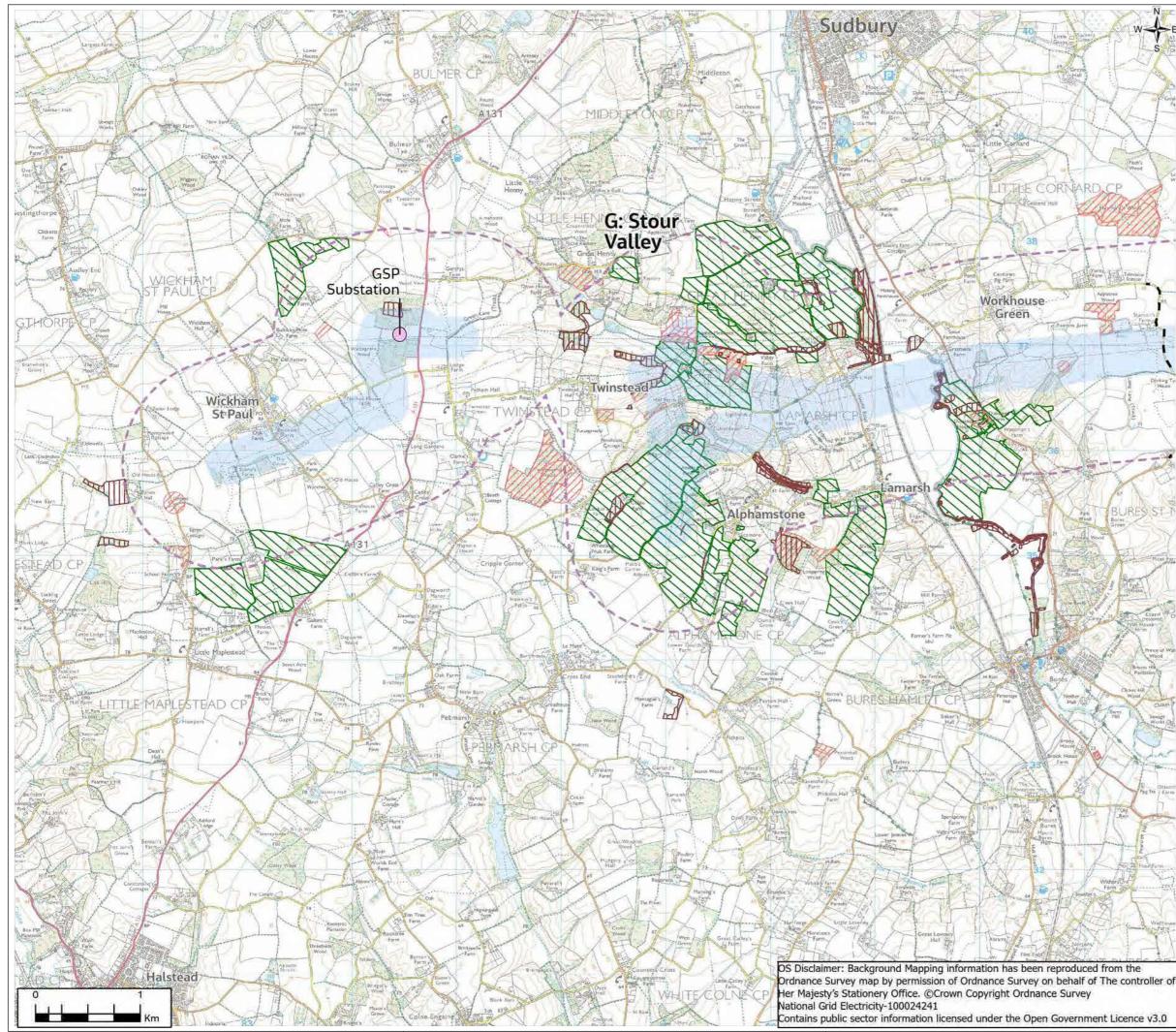




Path: \\gblon0vs01\GISProj\B2600017_NG_Bramford2Twinstead\GIS\01_ScopingReport\AAA_B2B_11_Agriculture_Soils.aprx

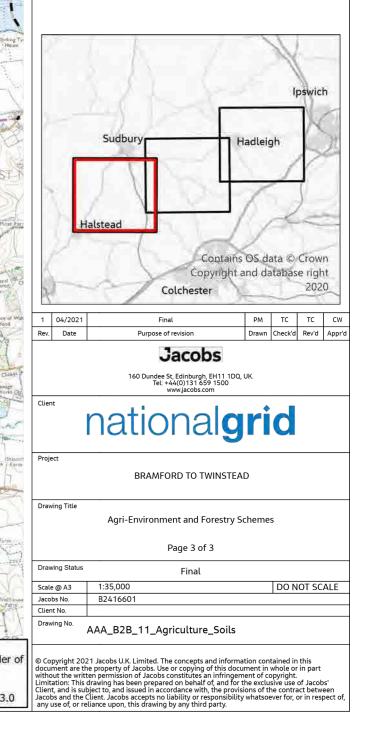
- - Section boundaries
- Scoping Boundary
- Proposed Grid Supply Point (GSP) Substation
- Study area (1km)
- Felling licence applications
- Woodland grant schemes
- Environmental stewardship agreements
- Entry level plus higher level stewardship

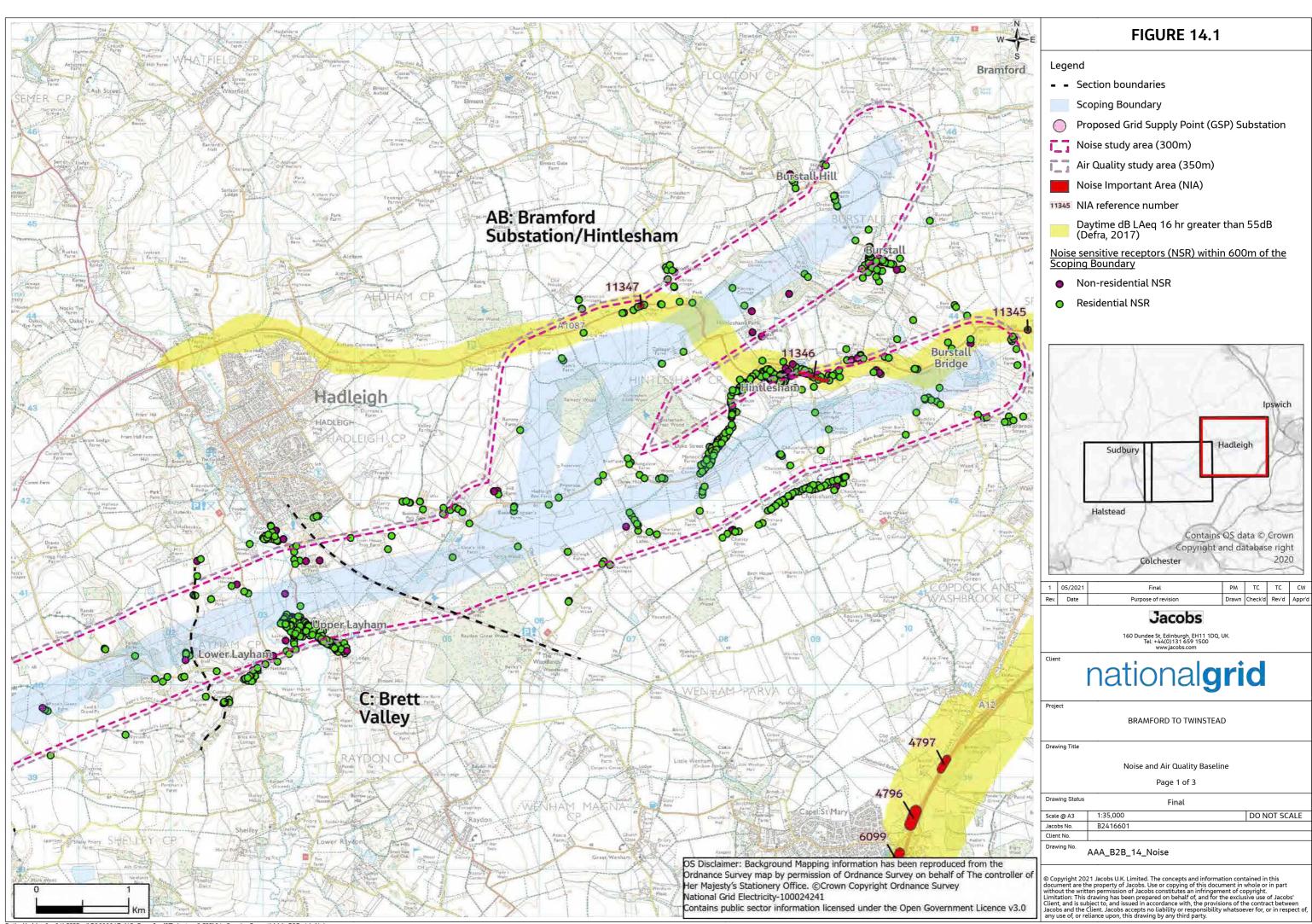




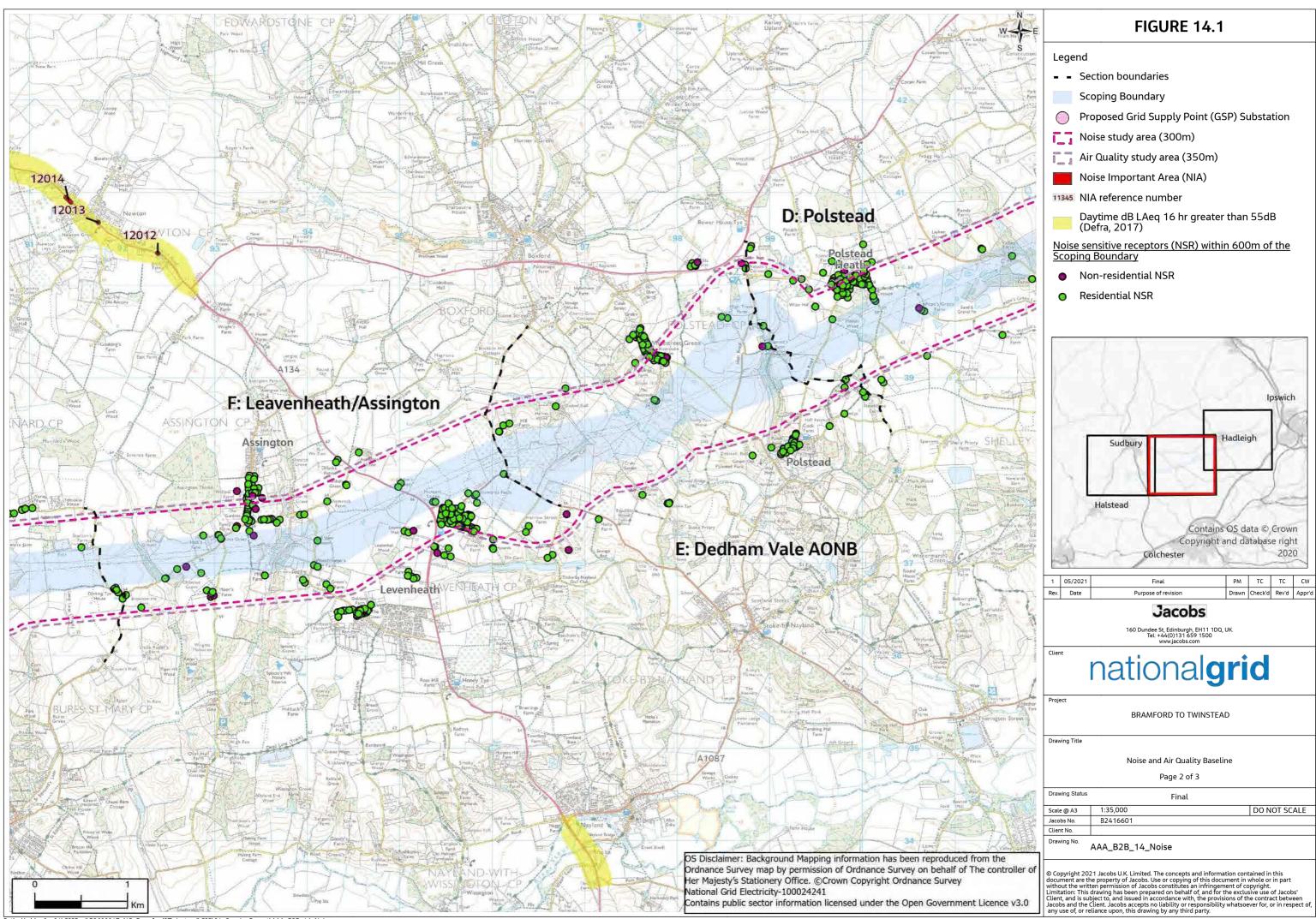
Path: \\gblon0vs01\GISProj\B2600017_NG_Bramford2Twinstead\GIS\01_ScopingReport\AAA_B2B_11_Agriculture_Soils.aprx

- - Section boundaries
- Scoping Boundary
- Proposed Grid Supply Point (GSP) Substation
- Study area (1km)
- Felling licence applications
- Woodland grant schemes
- Environmental stewardship agreements
- Entry level plus higher level stewardship

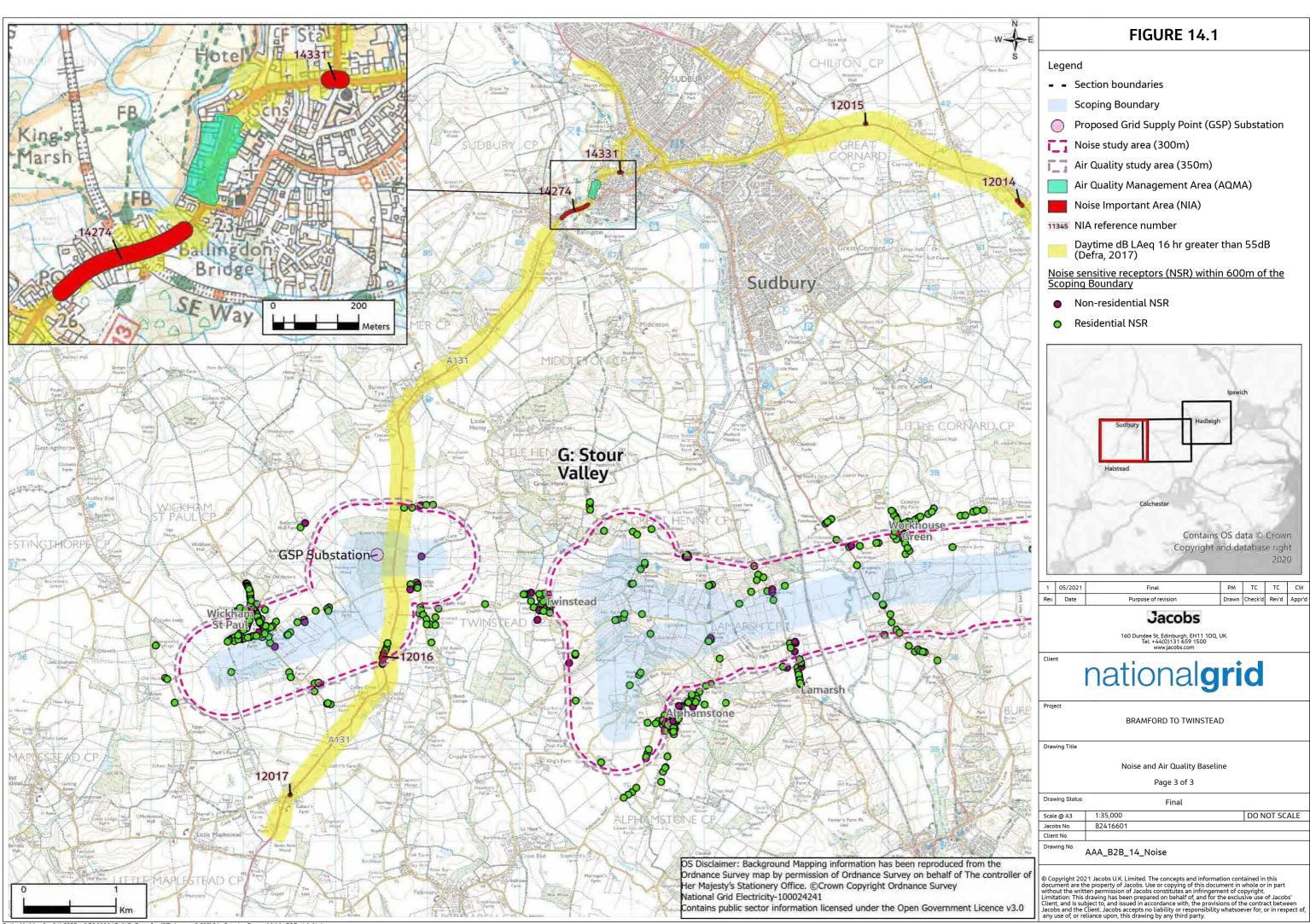




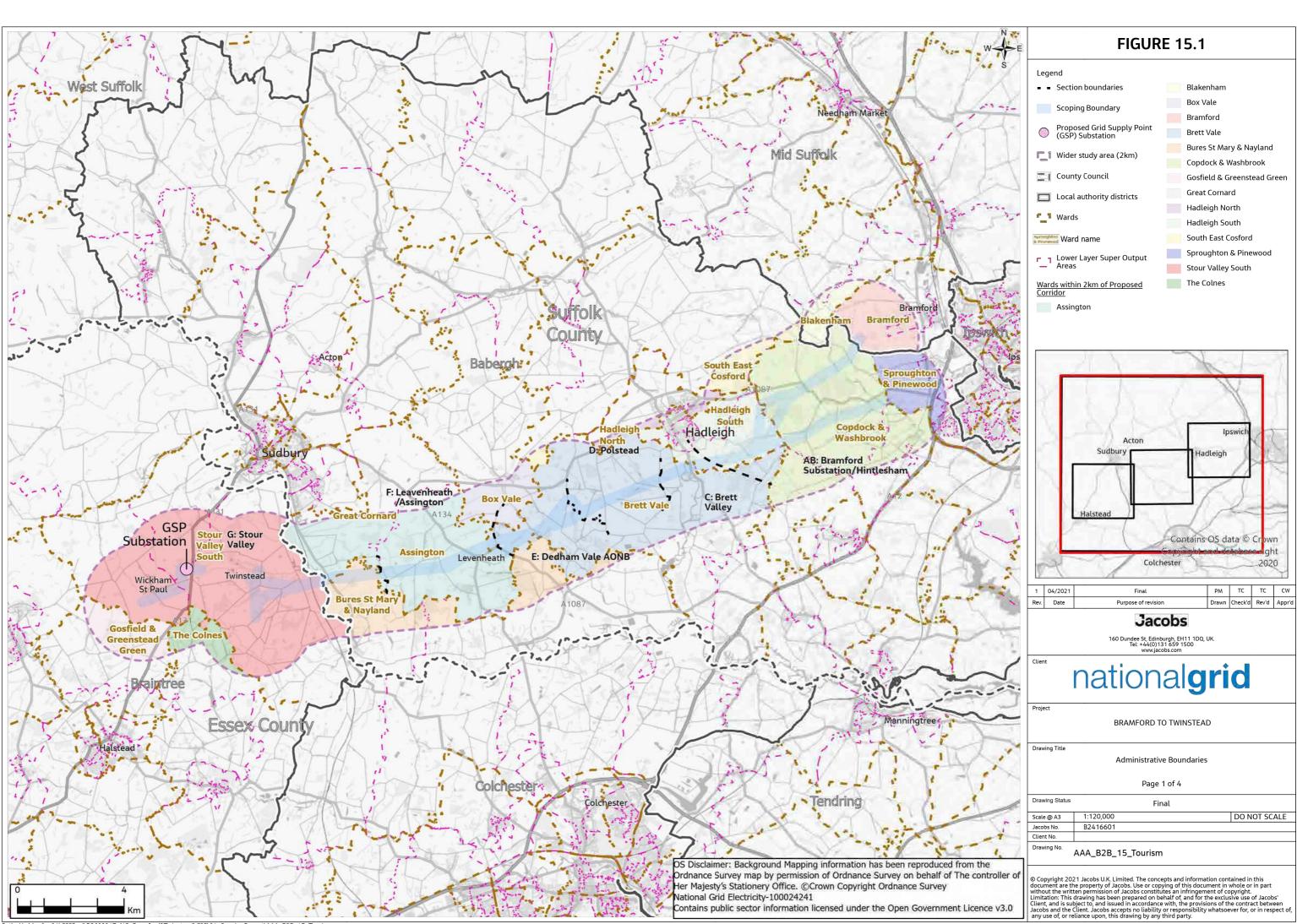
Path: \\gblon0vs01\GISProj\B2600017_NG_Bramford2Twinstead\GIS\01_ScopingReport\AAA_B2B_14_Noise.aprx



\\gblon0vs01\GISProj\B2600017_NG_Bramford2Twinstead\GIS\01_ScopingReport\AAA_B2B_14_Noise.aprx

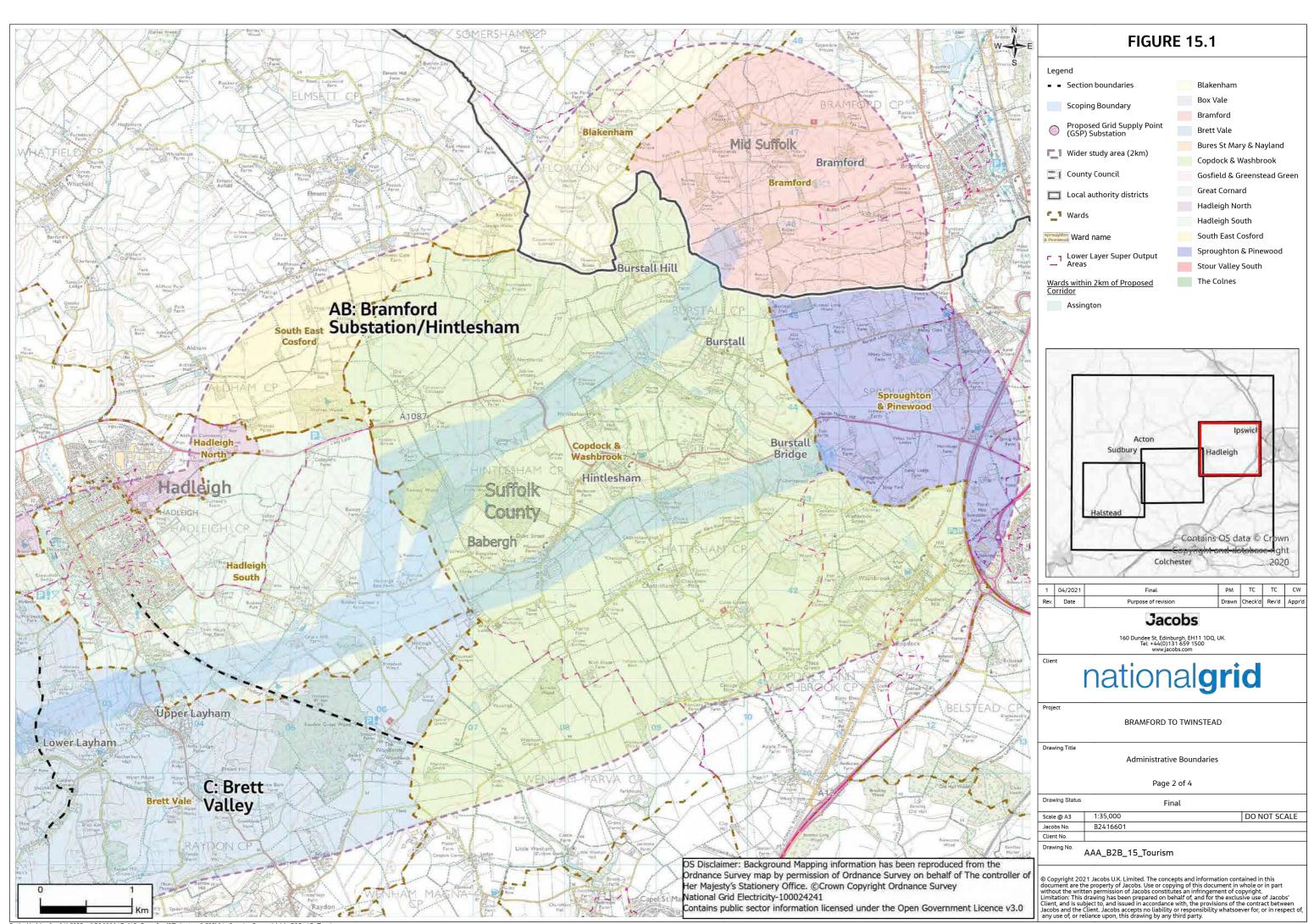


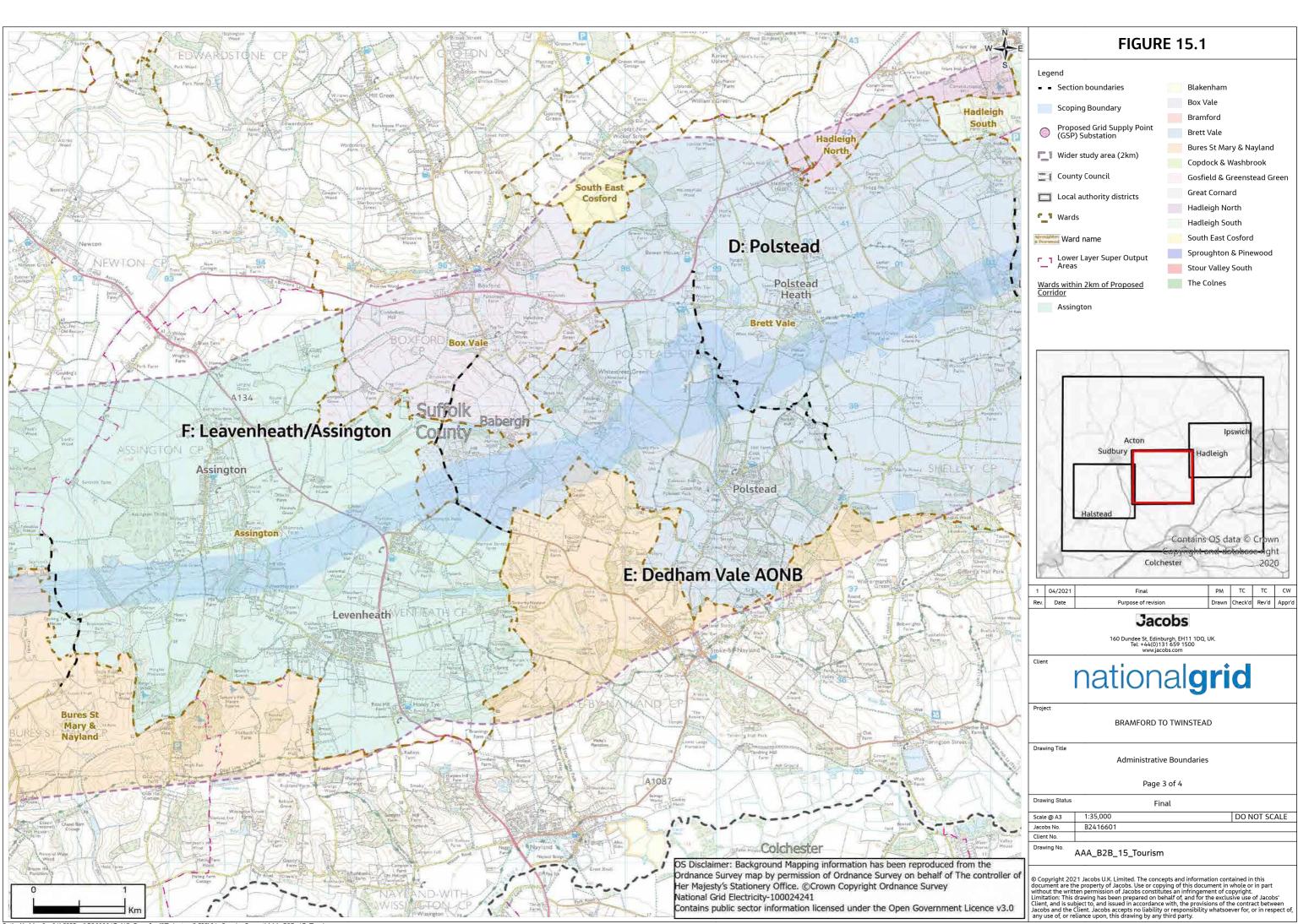
Path: \\gblon0vs01\GISProj\B2600017_NG_Bramford2Twinstead\GIS\01_ScopingReport\AAA_B2B_14_Noise.aprx



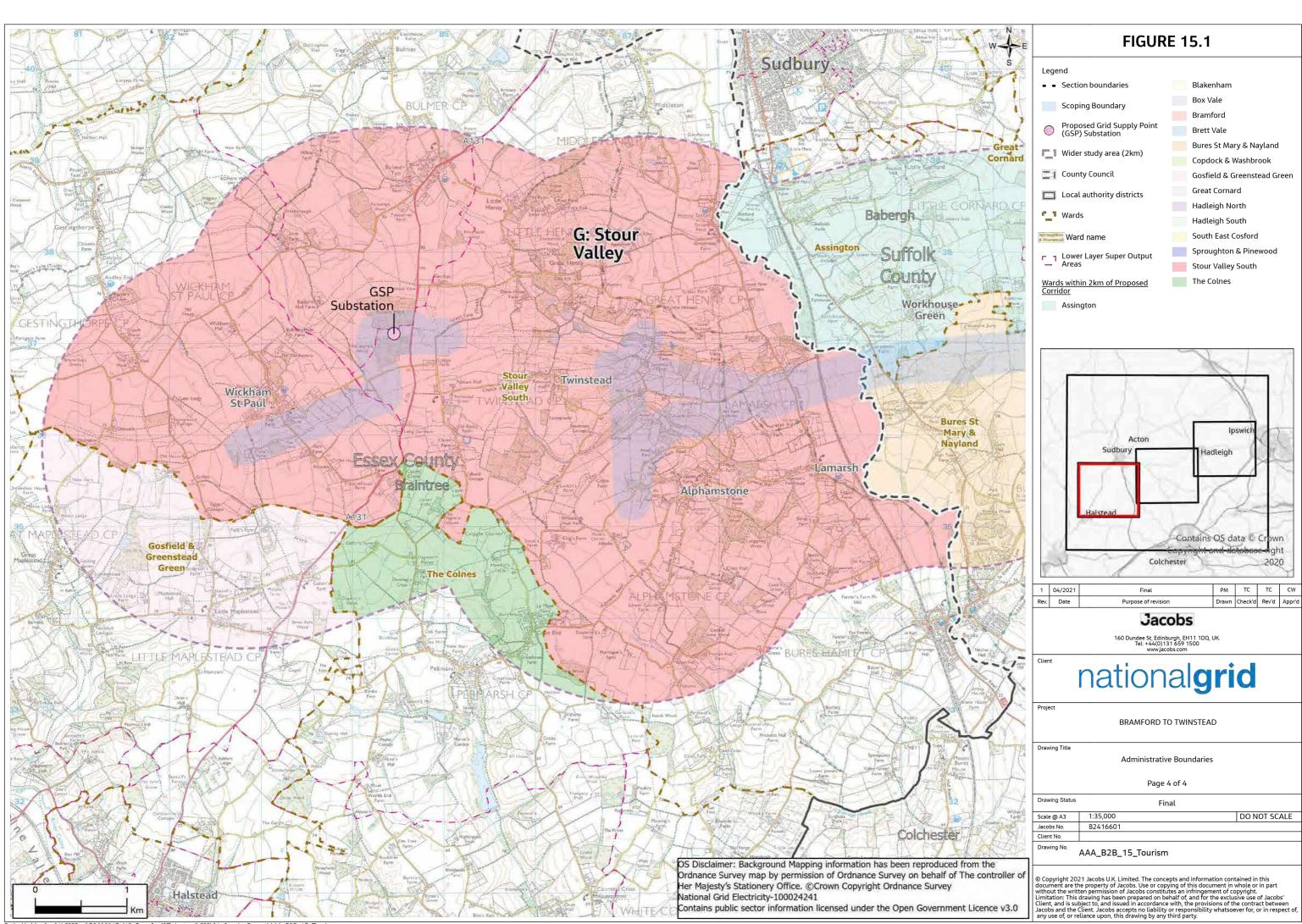
\\gblon0vs01\GISProj\B2600017_NG_Bramford2Twinstead\GIS\01_ScopingReport\AAA_B2B_15_Tourism.aprx

° AAA_B2B_15_Tourism

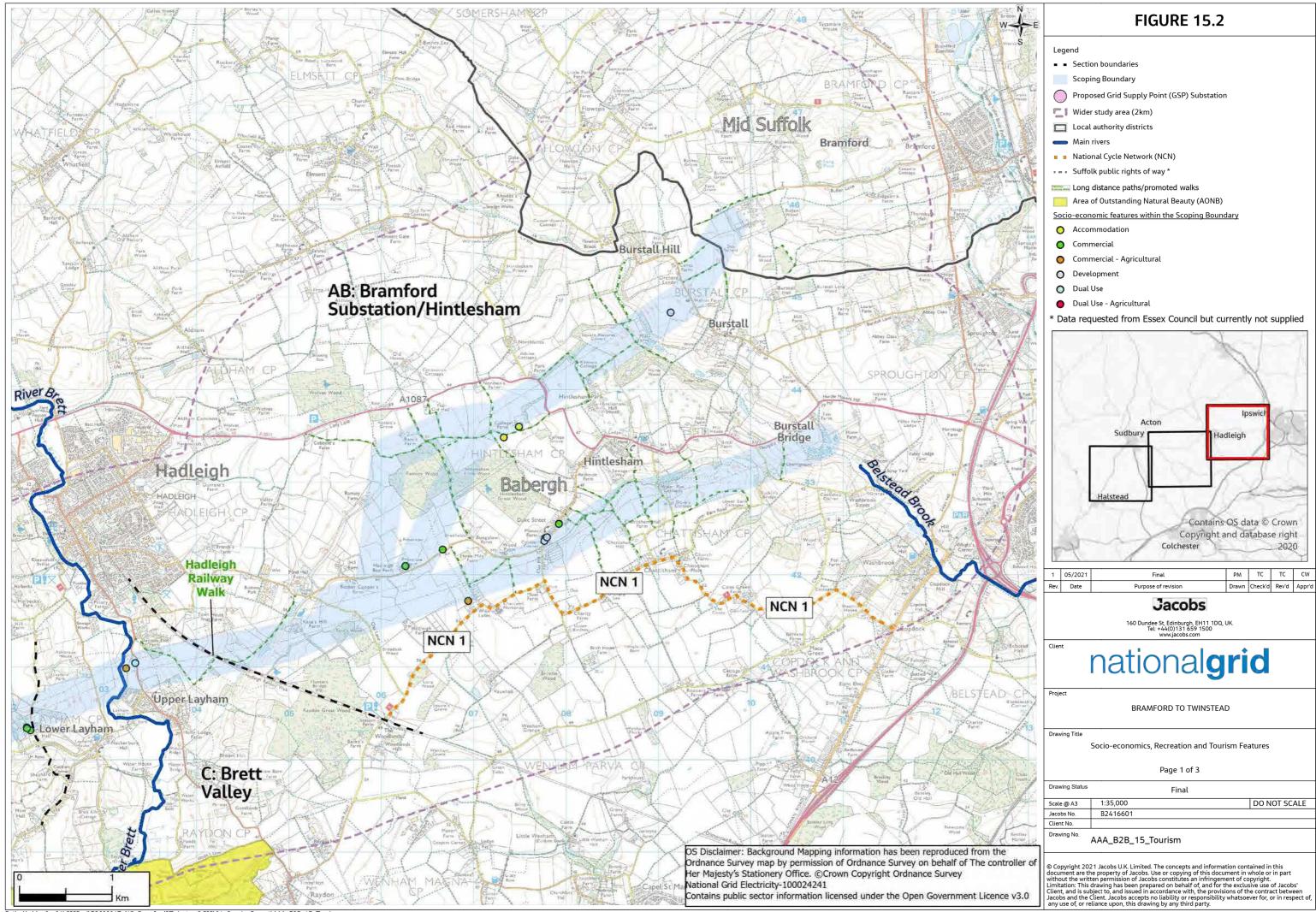




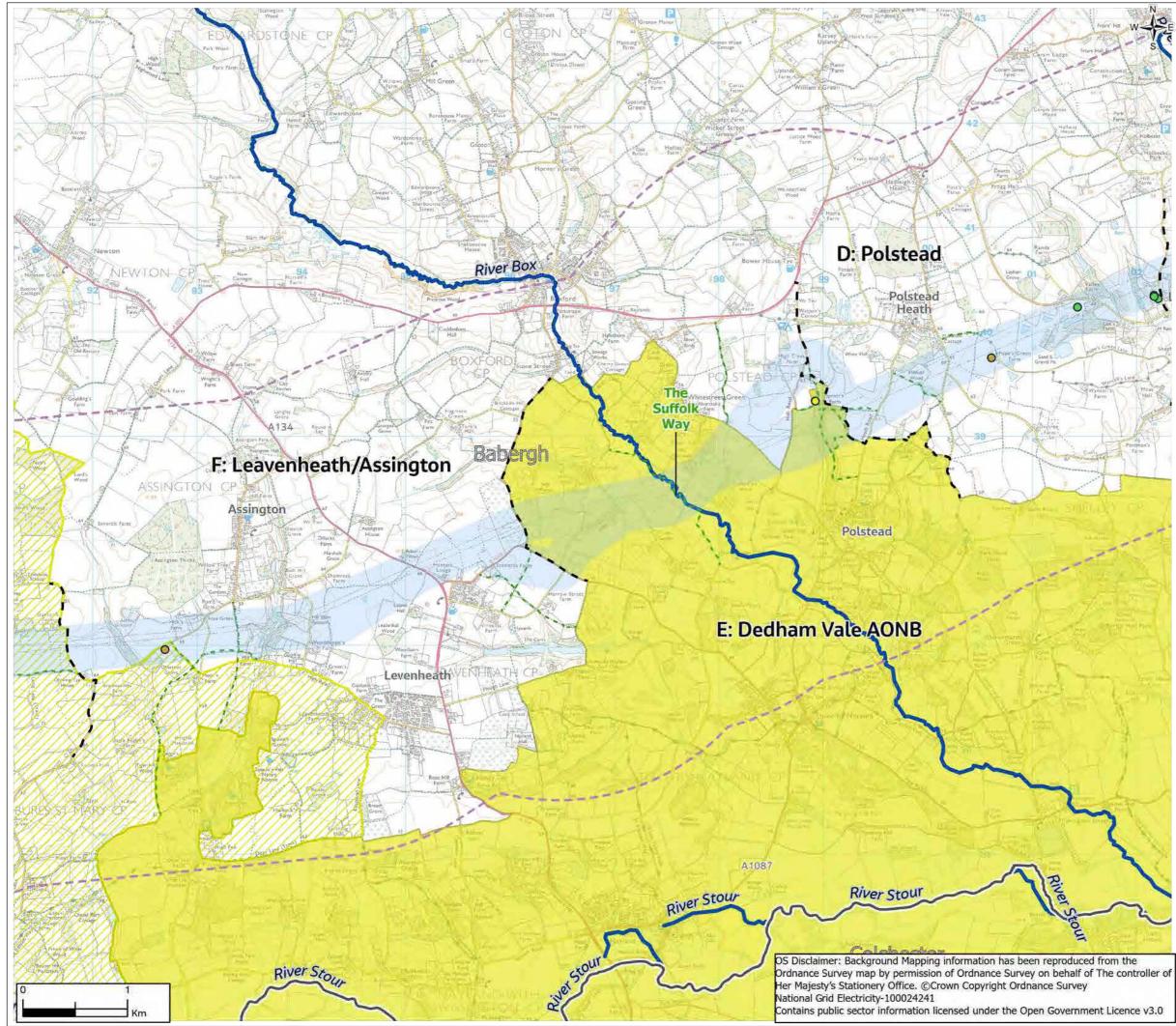
\\gblon0vs01\GISProj\B2600017_NG_Bramford2Twinstead\GIS\01_ScopingReport\AAA_B2B_15_Tourism.aprx



Path: \\gblon0vs01\GISProj\B2600017_NG_Bramford2Twinstead\GIS\01_ScopingReport\AAA_B2B_15_Tourism.aprx



Path: \\gblon0vs01\GISProj\B2600017_NG_Bramford2Twinstead\GIS\01_ScopingReport\AAA_B2B_15_Tourism.aprx



Path: \\gblon0vs01\GISProj\B2600017_NG_Bramford2Twinstead\GIS\01_ScopingReport\AAA_B2B_15_Tourism.aprx

FIGURE 15.2

Legend

10

0

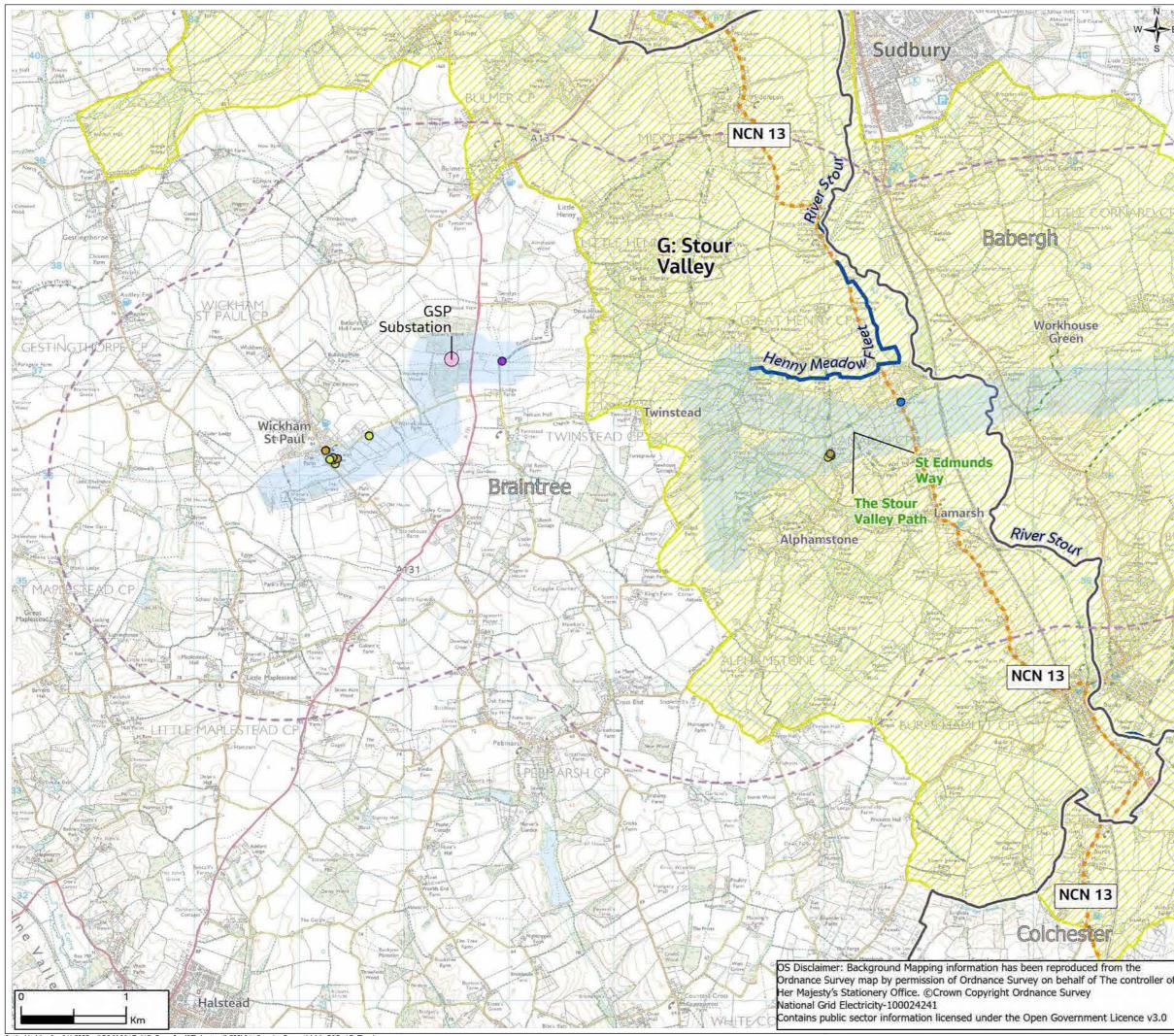
- Section boundaries
- Scoping Boundary
- Proposed Grid Supply Point (GSP) Substation
- Wider study area (2km)
- Local authority districts
- Main rivers
- - Suffolk public rights of way *
- Long distance paths/promoted walks
- Area of Outstanding Natural Beauty (AONB)
- 🔀 Stour Valley Project Area

Socio-economic features within the Scoping Boundary

- O Accommodation
- O Commercial
- Commercial Agricultural

* Data requested from Essex Council but currently not supplied

	Acton Ipswich Sudbury Hadleigh Halstead Contains OS data © Crown Copyright and database right Colchester 2020						
	1	05/2021	Final	PM	тс	тс	CW
	Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
	160 Dundee St, Edinburgh, EH11 1DQ, UK. Tel: +44(0)131 659 1500 www.jacobs.com						
			BRAMFORD TO TWINSTEA	0			
	Drawing Title Socio-economics, Recreation and Tourism Features Page 2 of 3						
	Drav	ving Status	Final				
	Scal	e @ A3	1:35,000		DO N	OT SC	ALE
	Jaco	bs No.	B2416601				
1		nt No. ving No.	AAA_B2B_15_Tourism				
	Limit	ation: This	21 Jacobs U.K. Limited. The concepts and informa is property of Jacobs. Use or copying of this docu- ten permission of Jacobs constitutes an infringen drawing has been prepared on behalf of, and for t oject to, and issued in accordance with, the provis Lient. Jacobs accepts no liability or responsibility liance upon, this drawing by any third party.	ient of co he exclu ions of th	opyright. sive use i ne contra	of Jacob	os' een pect of,



Path: \\gblon0vs01\GISProj\B2600017_NG_Bramford2Twinstead\GIS\01_ScopingReport\AAA_B2B_15_Tourism.aprx

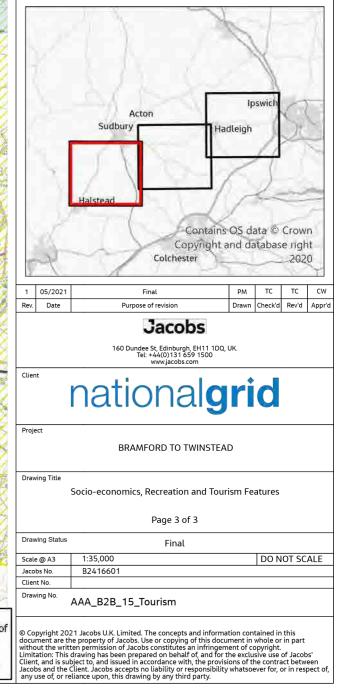
FIGURE 15.2

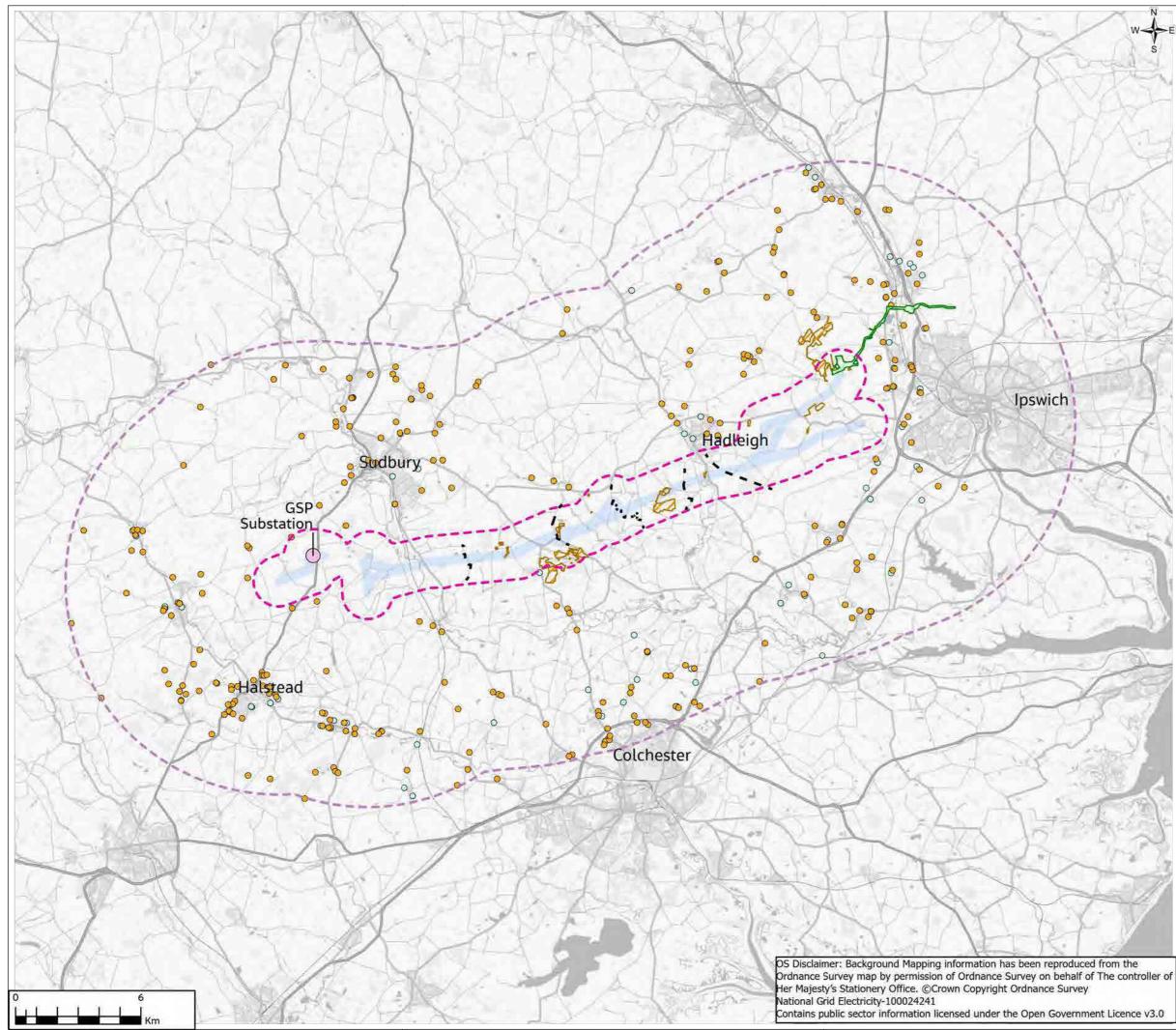
Legend

- Scoping Boundary
- Proposed Grid Supply Point (GSP) Substation
- 🔚 🚆 Wider study area (2km)
- Local authority districts
- Main rivers
- National Cycle Network (NCN)
- - Suffolk public rights of way *
- Long distance paths/promoted walks
- 🗾 Stour Valley Project Area

Socio-economic features within the Scoping Boundary

- O Accommodation
- Commercial Agricultural
- O Community
- Education
- * Data requested from Essex Council but currently not supplied





Path: \\gblon0vs01\GISProj\B2600017_NG_Bramford2Twinstead\GIS\01_ScopingReport\AAA_B2B_18_Cummulative_Effects.aprx

Legend

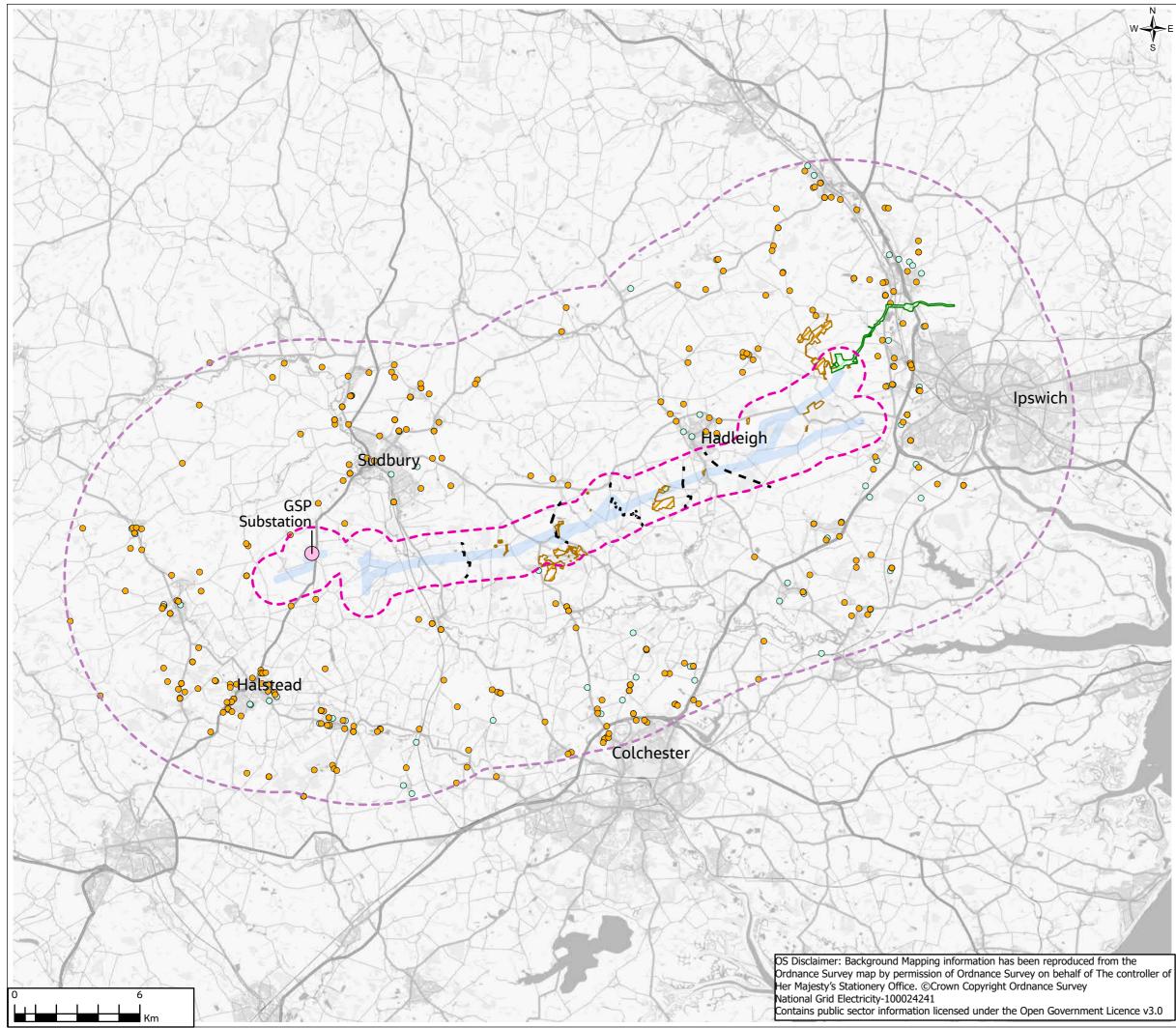
- Section boundaries
- Scoping Boundary
- Proposed Grid Supply Point (GSP) Substation
- **Zone of Influence (1km)**
- \llbracket 📮 Study area (10km)

Applications within 1km of the Indicative Alignment

- DCO applications
- Planning applications

- Planning applications
- Development allocations

Sudbury Hadlbigh Ipswith Indexead Coichester Contains OS data © Crown Copyright and database right 2020								
1 05/2021	Final	PM	тс	тс	CW			
Rev. Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'			
Jacobs 160 Dundee St. Edinburgh, EH11 1DO, UK. Tel: +44(0)131 659 1500 www.jacobs.com								
Project	BRAMFORD TO TWINSTE	AD						
Drawing Title Cummulative Effects Assessment Long List of Proposed Developments Page 1 of 4								
Drawing Status	Drawing Status Final							
Scale @ A3 1:175,000 DO NOT SCALE								
Jacobs No. B2416601								
	AAA_B2B_18_Cummulative_Eff		ntained in	this				
document are the without the writt Limitation: This (Client, and is sub Jacobs and the C any use of, or re	11 Jacobs U.K. Limited. The concepts and inform e property of Jacobs. Use or copying of this do en permission of Jacobs constitutes an infringe frawing has been prepared on behalf of, and fo ject to, and issued in accordance with, the prov Lient. Jacobs accepts no liability or responsibil liance upon, this drawing by any third party.	r the exclusion collisions of the exclusion collisions of the exclusions of the exclusions of the exclusion collision collision collisions of the exclusion collision	the contra bever for,	of Jacol of Jacol act betw or in res	os' veen pect of			



Path: \\gblon0vs01\GISProj\B2600017_NG_Bramford2Twinstead\GIS\01_ScopingReport\AAA_B2B_18_Cummulative_Effects.aprx

Legend

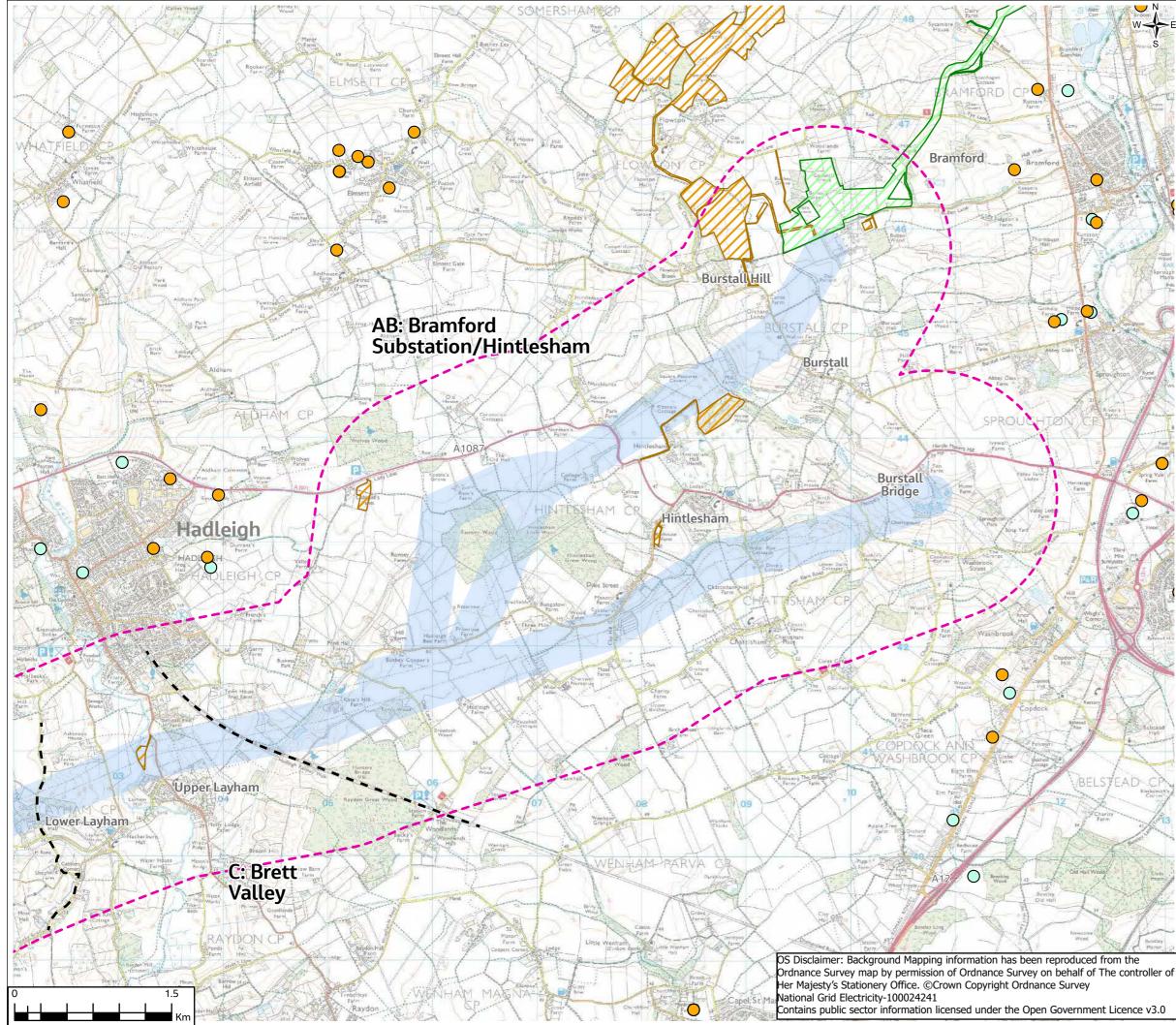
- Section boundaries
- Scoping Boundary
- Proposed Grid Supply Point (GSP) Substation
- Zone of Influence (1km)
- **Study area (10km)**

Applications within 1km of the Indicative Alignment

- DCO applications
- Planning applications

- Planning applications
- Development allocations

	Sudbury lpswith Hatstead Colchester Contains OS data © Crown Copyright and database right 2020								
	1 05/2021	Final		PM	TC	TC	CW		
	Rev. Date	Purpose of revision		Drawn	Check'd	Rev'd	Appr'd		
	Jacobs 160 Dundee St, Edinburgh, EH11 1DQ, UK. Tel: +44(0)131 659 1500 www.jacobs.com								
	Project BRAMFORD TO TWINSTEAD								
	Drawing Title Cumulative Effects Assessment Long List of Proposed Developments Page 1 of 4								
	Drawing Status	Fina	ι						
	Scale @ A3	1:175,000			DO N	OT SC	ALE		
	Jacobs No.	B2416601							
	Client No.								
ן	Drawing No.	AAA_B2B_18_Cummula	ative_Effect	ts					
	document are th without the writ Limitation: This Client, and is su Jacobs and the	21 Jacobs U.K. Limited. The concep te property of Jacobs. Use or copyin ten permission of Jacobs constitute drawing has been prepared on beh bject to, and issued in accordance w client. Jacobs accepts no liability o llance upon, this drawing by any th	ng of this docum is an infringeme alf of, and for the vith, the provisio responsibility w	nent in nt of co e exclu	whole or opyright. sive use o	in part of Jacob	s' een bect of,		



Path: \\gblon0vs01\GISProj\B2600017_NG_Bramford2Twinstead\GIS\01_ScopingReport\AAA_B2B_18_Cummulative_Effects.aprx

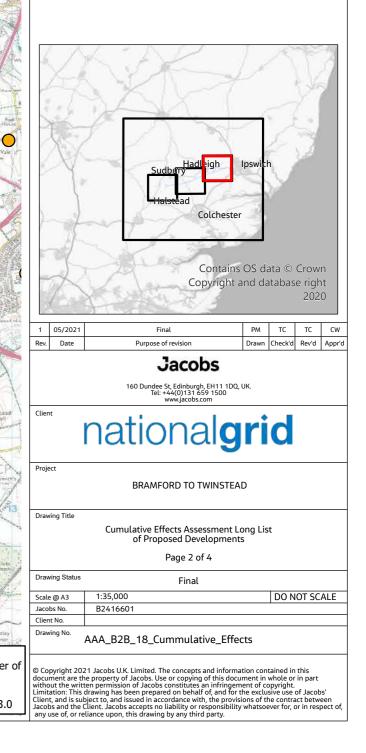
Legend

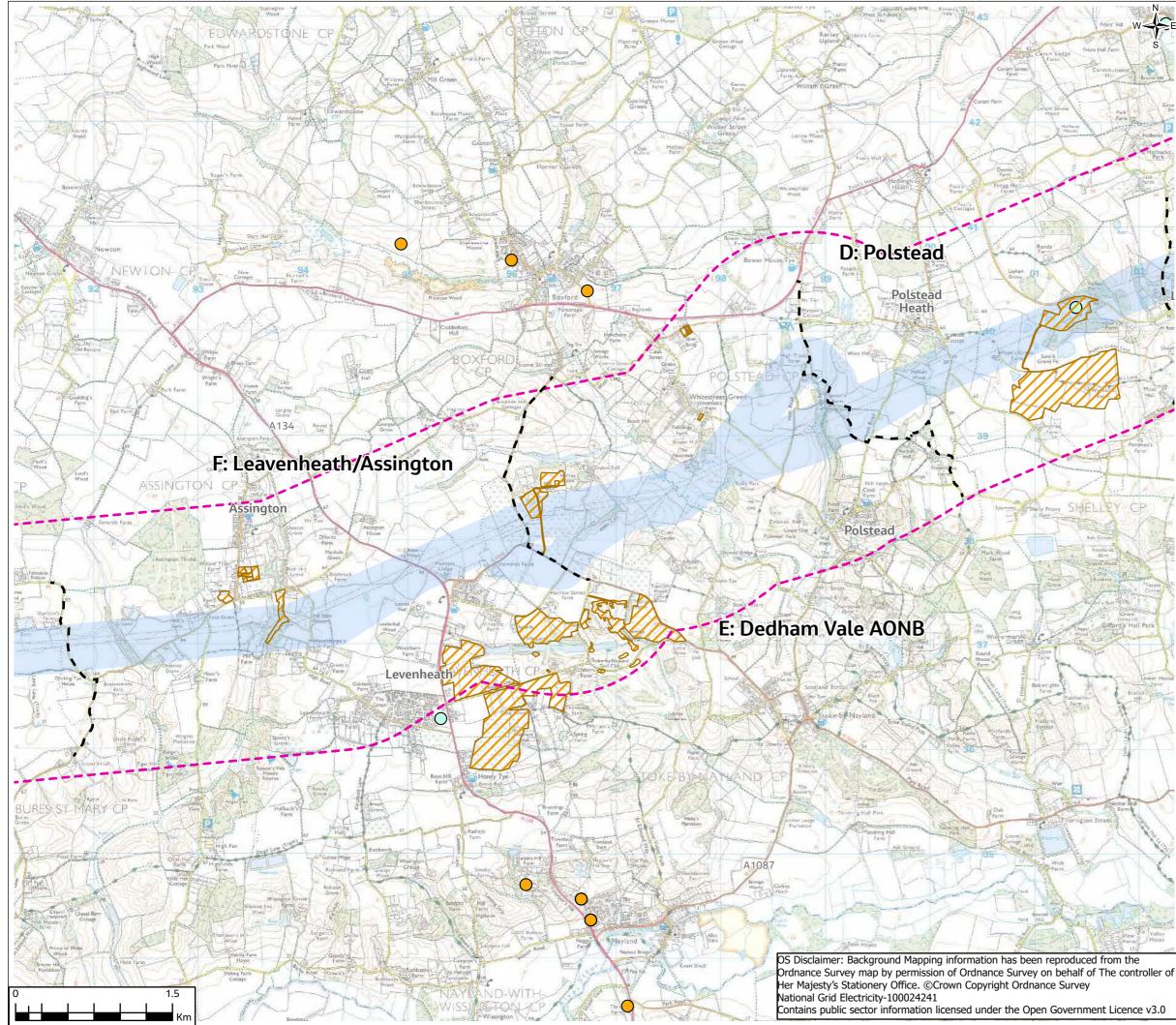
- Section boundaries
- Scoping Boundary
- Proposed Grid Supply Point (GSP) Substation
- Zone of Influence (1km)
- **Study area (10km)**

Applications within 1km of the Indicative Alignment

- DCO applications
- Planning applications

- Planning applications
- Development allocations





Path: \\gblon0vs01\GISProj\B2600017_NG_Bramford2Twinstead\GIS\01_ScopingReport\AAA_B2B_18_Cummulative_Effects.aprx

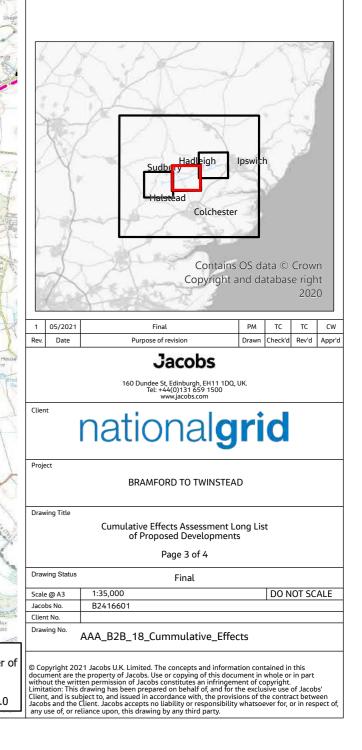
Legend

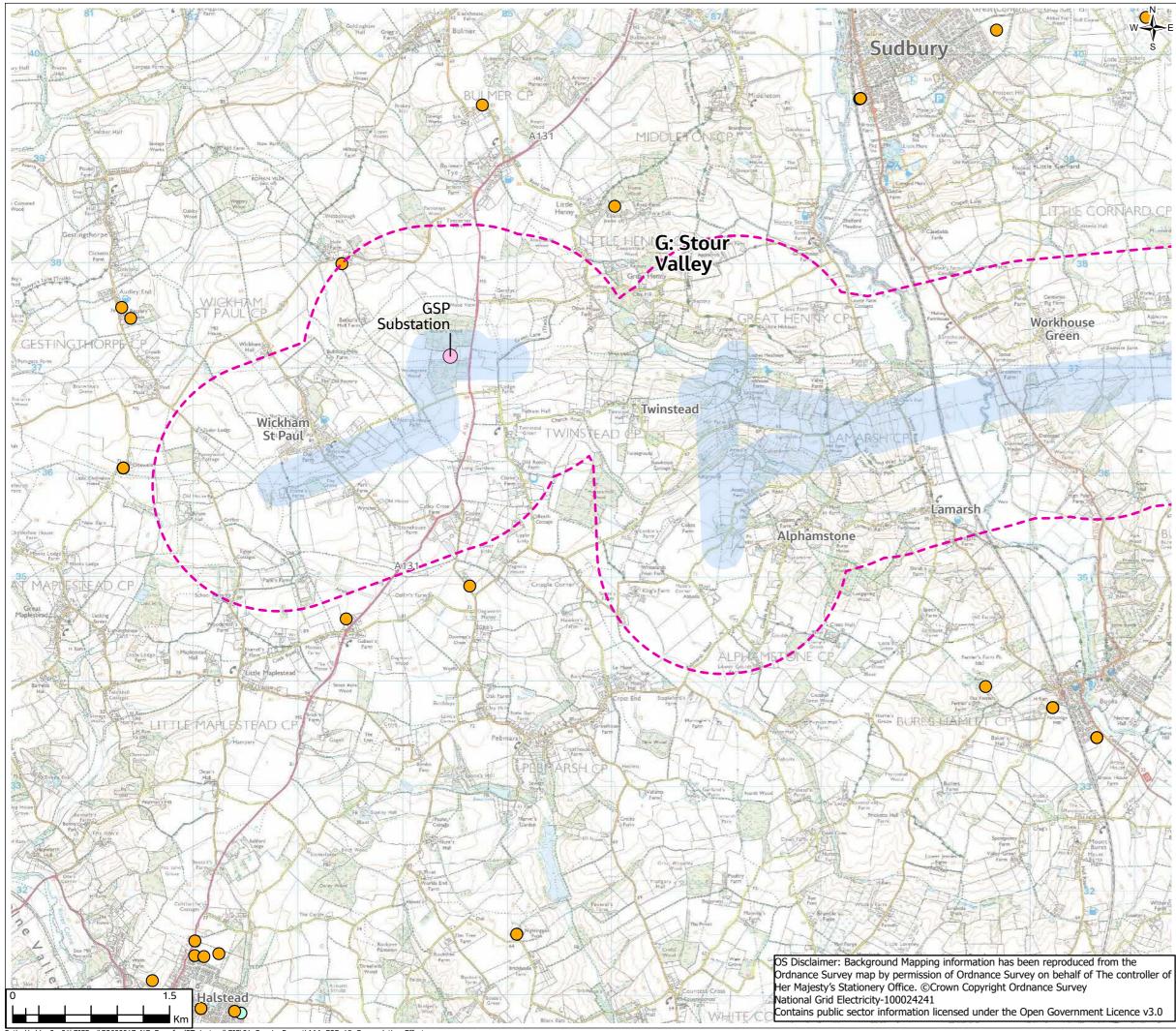
- - Section boundaries
- Scoping Boundary
- Proposed Grid Supply Point (GSP) Substation \bigcirc
- Zone of Influence (1km)
- **Study area (10km)**

Applications within 1km of the Indicative Alignment

- DCO applications
- Planning applications

- Planning applications
- Development allocations





Path: \\gblon0vs01\GISProj\B2600017_NG_Bramford2Twinstead\GIS\01_ScopingReport\AAA_B2B_18_Cummulative_Effects.aprx

Legend

- Section boundaries
- Scoping Boundary
- Proposed Grid Supply Point (GSP) Substation
- Zone of Influence (1km)
- **Study** area (10km)

Applications within 1km of the Indicative Alignment

- DCO applications
- Planning applications

- Planning applications
- Development allocations

	Sudbury Ipswith Sudbury Colchester Colchester Contains OS data © Crown Copyright and database right 2020								
	1	05/2021	Final	PM	TC	TC	CW		
	Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd		
			Jacobs 160 Dundee St, Edinburgh, EH11 1DQ, U Tel: +44(0)131 659 1500 www.jacobs.com	IK.					
	client nationalgrid								
	Project BRAMFORD TO TWINSTEAD								
	Drawing Title Cumulative Effects Assessment Long List of Proposed Developments Page 4 of 4								
	Drawing Status Final								
	Scale @ A3 1:35,000 DO NOT SCALE						ALE		
	Jacobs No. B2416601								
ן	Clien Draw	vina No.	AAA_B2B_18_Cummulative_Effec	ts					
	docu	mont aro th	21 Jacobs U.K. Limited. The concepts and informati te property of Jacobs. Use or copying of this docum ren permission of Jacobs constitutes an infringeme drawing has been prepared on behalf of, and for th of the second second and tability or responsibility lient. Jacobs accepts no liability or responsibility liance upon, this drawing by any third party.	nont in	whole or	in nart	is' een pect of,		

Page intentionally blank

National Grid plc National Grid House, Warwick Technology Park, Gallows Hill, Warwick. CV34 6DA United Kingdom

Registered in England and Wales No. 4031152 nationalgrid.com