



# Sheringham Shoal and Dudgeon Offshore Wind Farm Extension Projects

Environmental Statement

**Volume 3**

Appendix 4.1 – Crossing Schedule (Revision D) (Clean)

Revision D

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<b>Sheringham Shoal and Dudgeon Offshore Wind Farm Extension Projects Examination submission Appendix 4.1 - Crossing Schedule (Revision D) (Clean)</b>	
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### Introduction

The purpose of this crossing schedule is to provide a mechanism to identify the indicative location of a range of obstacles along the onshore export cable and note how they are proposed to be crossed (i.e. by way of open cut, trenchless, and trenchless / open cut where a decision is yet to be made). The schedule has been developed using GIS datasets (cropped to the onshore cable corridor) and supporting data labels as provided by third parties.

Where multiple obstacles are crossed within the same crossing, the obstacle that dictates the crossing technique is prioritised and selected as the primary crossing. A primary crossing has a Crossing Reference Number, is shown in bold on the schedule and has associated coordinates which allows the schedule to be saved in CSV format and loaded in to cross-platform software. Where more than one obstacle is classified as a primary, these have also been allocated a Crossing Reference Number, shown in bold and have associated coordinates.

Secondary obstacles which form part of a primary crossing are listed, quantified and allocated Unique ID numbers.

**Table A1 - Crossing Schedule Headings**

ID No.	Local Authority	Crossing Ref. No.	Unique ID	Obstacles	Obstacle Description	No. of Secondary Obstacles	Chainage	Proposed Crossing Technique	Hedgerow Crossing Technique
Sequential identification number assigned	Local Planning Authority:	Primary crossing reference number assigned sequentially starting at the landfall	Unique identification number assigned sequentially starting at the landfall for each obstacle crossed	Type of obstacle: A-Road B-Road Minor Road Track Infrastructure Mains River Watercourse Railway Woodland Hedgerow Pipe Cables Public Right of Way	Further description of obstacle	Number of secondary obstacles crossed	Distance to the crossing location relative to the transition joint bay	Method by which the obstacle(s) is proposed to be crossed	Access strategy associated with each of the hedgerow crossings. Typical widths of devegetation for each strategy has been included below: Trenchless - Lockout - 0m Trenchless - Access Bellmouth - 20m Trenchless - Cross Over - 8m Open cut - Central Haul Road - 15m

**Table A1.1 - Abbreviations**

Local Authority	Crossing Ref. No.	Unique ID			
North Norfolk District Council (NNDC)	Road Crossing (RDX)	The unique identification number is made up of four fields and provides information relating to the assets owner and type of obstacle being crossed.			
Broadland District Council (BDC)	Track Crossing (TRX)	<b>Field one - Asset Owner Description</b>	<b>Field two - Obstacle Description</b>	<b>Field three - Further Obstacle Info.</b>	<b>Field four - Numerical Identifier</b>
South Norfolk District Council (SNDC)	Infrastructure Crossing (INF)				
	Mains River Crossing (RVX)	Anglian Water (AW)	Overhead (OH)	A-Road (AR)	001, 002 etc.
	Railway Crossing (RLX)	British Telecommunication (BT)	Under Ground (UG)	Abandoned Pipe (AP)	
	Woodland Crossing (WDX)	Cadent Gas (CG)		Access Track (AT)	
	Hedgerow Crossing (HRX)	Environmental Agency (EA)		B-Road (BR)	
	Watercourse Crossing (DKX)	Highways England (HE)		Electrical Cables (EC)	
	Utility Crossing (UTX)	Internal Drainage Board (IDB)		Footpath (FP)	
	Public Right of Way Crossing (PRoW)	National Grid (NG)		Gas Pipeline (GP)	
		National Highways (NH)		Hedgerow (HR & H0) - add spiel	
		Network Rail (NR)		High Voltage Cables (CBL)	
		Norfolk County Council (NCC)		Main River (MR)	
		Ørsted (OR)		Minor Road (MR)	
		Private Asset Owner (PAO)		Power Cables (PW)	
		Stark Energy (SE)		Watercourse (WC)	
		UK Power Networks (UKPN)		Water Pipe (WP)	
		Vattenfall (VF)		Woodland (WD)	
		Virgin Media (VM)		Railway (RW)	
				Sewer Pipe (SW)	
				Telecommunication Cables (TC)	

Note: Asset owners indicated on the schedule are indicative and are based on the information available at the time of preparation. Investigations should be undertaken to confirm the owner of each individual asset

















ID	Local_Authority	Easting	Northing	Crossing_Ref_No	Unique_ID	Obstacles	Obstacle_Description	No_of_Secondary_Obstacles	Secondary_Obstacle_Unique_ID_No	Secondary_Obstacle_Descriptions	Proposed_Crossing_Technique	Hedgerow_Crossing_Technique	Approx_Length
527	SNDC				PAO-HRX-H0034a-177	Hedgerow	Hedgerow					Trenchless - Lockout	
528	SNDC	619296.3	302570.3	RVX006	EA-RVX-MV-006	Main River	Unnamed Main River	6	PAO-HRX-H0034a-177, UKPN-O	Hedgerow, UK Power N	Trenchless		250
529	SNDC				SNDC-DKX-WC-027	Watercourse	Ditch						
530	SNDC				AW-UG-SP-042	Pipe	Anglian Water - Sewer Pipe						
531	SNDC				PAO-HRX-H0034b-178	Hedgerow	Hedgerow					Trenchless - Lockout	
532	SNDC				SNDC-PRoW-FP-024	Public Right of Way	Footpath - Swardeston FP2						
533	SNDC				UKPN-OH-PC-044	Cables	UK Power Networks - Power Cables						
534	SNDC	619412.2	302398.1	HRX060	PAO-HRX-H0033c-179	Hedgerow	Hedgerow				Open Cut	Open Cut - Central Haul Road	
535	SNDC				PAO-HRX-H0033b-180	Hedgerow	Hedgerow					Open Cut - Central Haul Road	
536	SNDC	619417.6	302384.8	PRoW014	SNDC-PRoW-FP-025	Public Right of Way	Footpath - Swardeston FP3	1	PAO-HRX-H0033b-180	Hedgerow	Open Cut		
537	SNDC	619527.7	302211.9	PRoW015	SNDC-PRoW-FP-026	Public Right of Way	Footpath - Swardeston FP4	1	PAO-HRX-H0033a-181	Hedgerow	Open Cut		
538	SNDC				PAO-HRX-H0033a-181	Hedgerow	Hedgerow					Open Cut - Central Haul Road	
539	SNDC	619666.1	302147.2	UTX047	UKPN-OH-PC-045	Cables	UK Power Networks - Power Cables				Open Cut		
540	SNDC				PAO-HRX-H0032a-182	Hedgerow	Hedgerow					Trenchless - Access Bellmouth	
541	SNDC				BT-UG-TC-051	Cables	Openreach - (BT) - Telecommunication Cables						
542	SNDC	619810.8	302098.9	RDX051	SNDC-RDX-BR-006	B-Road	B1113, Main Road	6	PAO-HRX-H0032a-182, BT-UG-T	Hedgerow, Openreach	Trenchless		100
543	SNDC				PAO-HRX-H0032-183	Hedgerow	Hedgerow					Trenchless - Access Bellmouth	
544	SNDC				AW-UG-WP-043	Pipe	Anglian Water - Water Pipe Abandoned						
545	SNDC				AW-UG-WP-044	Pipe	Anglian Water - Water Pipe						
546	SNDC				PAO-UG-WP-029	Pipe	Margaret Elizabeth Bobbin & Patrick Bobbin - Water Pipe						
547	SNDC	619952.9	302034.6	UTX048	PAO-OH-PC-030	Cables	Margaret Elizabeth Bobbin & Patrick Bobbin - Electric				Open Cut		
548	SNDC	619962.6	302030.6	UTX049	UKPN-OH-PC-046	Cables	UK Power Networks - Power Cables				Open Cut		
549	SNDC	620004.3	302011.3	HRX061	PAO-HRX-H0028-184	Hedgerow	Hedgerow				Open Cut	Open Cut - Central Haul Road	
550	SNDC	620101.5	301908.8	HRX062	PAO-HRX-H0027-185	Hedgerow	Hedgerow				Open Cut	Open Cut - Central Haul Road	
551	SNDC	620221.8	301546.4	PRoW016	SNDC-PRoW-FP-027	Public Right of Way	Footpath - Mulbarton FP6	1	PAO-HRX-H0023-186	Hedgerow	Open Cut		
552	SNDC				PAO-HRX-H0023-186	Hedgerow	Hedgerow					Open Cut - Central Haul Road	
553	SNDC	620399.4	301509.4	PRoW017	SNDC-PRoW-FP-028	Public Right of Way	Footpath - Mulbarton FP7				Open Cut		
554	SNDC	620829.2	301521.7	UTX050	UKPN-OH-PC-047	Cables	UK Power Networks - Power Cables				Open Cut		
555	SNDC	620862.7	301527.7	HRX063	PAO-HRX-H0020-187	Hedgerow	Hedgerow				Open Cut	Open Cut - Central Haul Road	
556	SNDC				BT-UG-TC-052	Cables	Openreach - (BT) - Telecommunication Cables						
557	SNDC				PAO-HRX-H0019-188	Hedgerow	Hedgerow					Open Cut - Central Haul Road	
558	SNDC	620912.9	301535.3	RDX052	SNDC-RDX-MR-048	Minor Road	Swardeston Lane	3	BT-UG-TC-052, PAO-HRX-H0019	Openreach - (BT) - Tele	Open Cut		
559	SNDC				UKPN-OH-PC-048	Cables	UK Power Networks - Power Cables						
560	SNDC	621015.2	301541.6	PRoW019	SNDC-PRoW-FP-029	Public Right of Way	Footpath - Swainsthorpe FP1				Open Cut		
561	SNDC	621289.7	301560.1	HRX064	PAO-HRX-H0014-189	Hedgerow	Hedgerow				Open Cut	Open Cut - Central Haul Road	
562	SNDC	621434.8	301570.6	HRX065	PAO-HRX-H0011-190	Hedgerow	Hedgerow				Open Cut	Open Cut - Central Haul Road	
563	SNDC	621582.8	301580.0	UTX051	CG-UG-GP-009	Pipe	Cadent Gas Ltd - Gas Pipe				Open Cut		
564	SNDC	621587.9	301580.4	UTX052	NG-AG-PC-006	Cables	National Grid Power Cables - Norwich Main Bramford 1&2				Open Cut		
565	SNDC				PAO-DKX-WC-199	Watercourse	Griffin Farms - Ditch						
566	SNDC	621604.0	301581.3	HRX066	PAO-HRX-H0005-191	Hedgerow	Hedgerow				Open Cut	Open Cut - Central Haul Road	
567	SNDC				SNDC-PRoW-FP-030	Public Right of Way	Byway open to all traffic - Swainsthorpe BOAT6						
568	SNDC	621702.5	301678.6	RDX053	SNDC-RDX-MR-049	Minor Road	Hickling Lane	1	SNDC-PRoW-FP-030	Byway open to all traffi	Trenchless		100
569	SNDC				HP3-INF-CBL-004	Infrastructure	Hornsea P3						
570	SNDC				SNDC-PRoW-BR-032	Public Right of Way	Bridleway - Swardeston BR12						
571	SNDC				PAO-HRX-H002-199	Hedgerow	Hedgerow					Open Cut - Central Haul Road	
572	SNDC	621599.1	302310.6	WDX019	NE-WDX-WD-020	Woodland	Natural England - Mature Trees	4	HP3-INF-CBL-004, PAO-HRX-H00	Hornsea P3, Hedgerow	Open Cut/Trenchless		120
573	SNDC				UKPN-UG-PC-058	Cables	UK Power Networks - Power Cables						
574	SNDC				HP3-INF-CBL-005	Infrastructure	Hornsea P3						
575	SNDC				SNDC-PRoW-BR-033	Public Right of Way	Bridleway - Stoke Holy Cross BR3						
576	SNDC				PAO-HRX-H002-200	Hedgerow	Hedgerow					Open Cut - Central Haul Road	
577	SNDC	622014.2	302215.6	WDX020	NE-WDX-WD-021	Woodland	Natural England - Mature Trees	5	SNDC-PRoW-BR-033, PAO-HRX-	Bridleway - Stoke Holy	Open Cut/Trenchless		120
578	SNDC				VD-UG-TC-001	Cables	Vodafone - Telecommunication Cables						
579	SNDC				NG-OH-PC-007	Cables	National Grid Power Cables - Norwich Trowse 3						