

The Great Grid Upgrade

Sea Link

Preliminary Environmental Information Report

Volume: 2

Part 1 Introduction

Appendix 1.4.D Crossings Schedule

Version A

October 2023

nationalgrid

This page is intentionally blank.

Contents

1.4.D Crossings Schedules	1
1.4.D.1 Watercourse Crossing Schedules	1
1.4.D.2 Vegetation Crossing Schedules	12
1.4.D.3 Public Right of Way (PRoW), Highway and Railway Crossing Schedules	16

Table of Tables

Table 1.4.D.1: Suffolk Onshore Scheme watercourse crossing schedule	1
Table 1.4.D.2: Kent Onshore Scheme watercourse crossing schedule	5
Table 1.4.D.3: Suffolk Onshore Scheme vegetation crossing schedule	12
Table 1.4.D.4: Kent Onshore Scheme vegetation crossing schedule	15
Table 1.4.D.5: Suffolk Onshore Scheme PRoW, highway and rail crossing schedule	16
Table 1.4.D.6: Kent Onshore Scheme PRoW, highway and railway crossing schedule	19

Sea Link

Document control

Document Properties

Organisation	AECOM
Author	AECOM
Approved by	AECOM
Title	Preliminary Environmental Impact Report Volume 2, Part 1, Appendix 1.4.D Crossings Schedules
Data Classification	Public

Version History

Date	Version	Status	Description/Changes
24/10/2023	A	FINAL	First Issue

1.4.D Crossings Schedules

1.4.D.1 Watercourse Crossing Schedules

Suffolk Onshore Scheme Watercourse Crossing Schedule

1.4.D.1.1 Table 1.4.D.1 sets out the indicative watercourse crossing schedule for the Suffolk Onshore Scheme and the crossing locations are shown on **Figure 1.4.D.1 Suffolk Onshore Scheme Watercourse Crossings**.

Table 1.4.D.1: Suffolk Onshore Scheme watercourse crossing schedule

Installation activity	Crossing reference	Type of watercourse	Name of watercourse	Catchment	Indicative watercourse width (mm)	Indicative depth to top of watercourse (mm)	Comments/assumptions /commitments
HVDC Haul Road	S/WA/0004	Ordinary Watercourse	Ordinary Watercourse	Hundred River Catchment Water Body ID GB105035046260	3000	1000	Trenchless Crossing
HVDC Haul Road	S/WA/0005	Ordinary Watercourse	Ordinary Watercourse	Hundred River Catchment Water Body ID GB105035046260	3000	1000	Trenchless Crossing
HVDC Haul Road	S/WA/0006	Ordinary Watercourse	Ordinary Watercourse	Hundred River Catchment Water Body ID GB105035046260	3000	1000	Trenchless Crossing

Installation activity	Crossing reference	Type of watercourse	Name of watercourse	Catchment	Indicative watercourse width (mm)	Indicative depth to top of watercourse (mm)	Comments/assumptions /commitments
HVDC Haul Road	S/WA/0007	Ordinary Watercourse	Ordinary Watercourse	Hundred River Catchment Water Body ID GB105035046260	3000	1000	Trenchless Crossing
HVDC Haul Road	S/WA/0037	Ordinary Watercourse	Ordinary Watercourse		3000	500	
HVDC Haul Road	S/WA/0042	Ordinary Watercourse	Ordinary Watercourse		3000	500	
HVDC Haul Road	S/WA/0046	Ordinary Watercourse	Ordinary Watercourse		3000	500	
HVAC	S/WA/0051	Ordinary Watercourse	Ordinary Watercourse		3000	500	
HVDC Haul Road	S/WA/0052	Ordinary Watercourse	Ordinary Watercourse		3000	500	
HVDC HVAC Haul Road	S/WA/0056	Ordinary Watercourse	Ordinary Watercourse		3000	500	

Installation activity	Crossing reference	Type of watercourse	Name of watercourse	Catchment	Indicative watercourse width (mm)	Indicative depth to top of watercourse (mm)	Comments/assumptions /commitments
HVDC HVAC Haul Road	S/WA/0057	Ordinary Watercourse	Ordinary Watercourse		3000	500	
HVDC HVAC Haul Road	S/WA/0062	Ordinary Watercourse	Ordinary Watercourse		1000	500	
Haul Road	S/WA/0063	Ordinary Watercourse	Ordinary Watercourse		3000	500	
Haul Road	S/WA/0068	Main River	River Fromus	EA - East Suffolk Catchments Partnership Water Body ID GB105035045980	7000	1750	
Haul Road	S/WA/0070	Ordinary Watercourse	Ditch Connecting to River Fromus	Ordinary Watercourse - East Suffolk Catchments Partnership Water Body ID GB105035045980	3000	1000	
Haul Road	S/WA/0075	Ordinary Watercourse	Ordinary Watercourse		3000	500	

Installation activity	Crossing reference	Type of watercourse	Name of watercourse	Catchment	Indicative watercourse width (mm)	Indicative depth to top of watercourse (mm)	Comments/assumptions /commitments
Haul Road	S/WA/0076	Ordinary Watercourse	Ordinary Watercourse		3000	500	
Haul Road	S/WA/0081	Main River	River Fromus	EA - East Suffolk Catchments Partnership Water Body ID GB105035045980	7000	1750	
Haul Road	S/WA/0086	Ordinary Watercourse	Ordinary Watercourse		3000	500	

Kent Onshore Scheme Watercourse Crossing Schedule

1.4.D.1.2 Table 1.4.D.2 sets out the indicative watercourse crossing schedule for the Kent Onshore Scheme and the crossing locations are shown on **Figure 1.4.D.2 Kent Onshore Scheme Watercourse Crossings**.

Table 1.4.D.2: Kent Onshore Scheme watercourse crossing schedule

Installation activity	Crossing reference	Type of watercourse	Name of watercourse	Catchment	Indicative watercourse width (mm)	Indicative depth to top of watercourse (mm)	Comments/assumptions /commitments
HVDC	K/WA/0004	Ordinary Watercourse	Lake		90,000	500	Trenchless Crossing
HVDC	K/WA/0012	Ordinary Watercourse	Stoneless Main Stream	River Stour IDB Catchment 173	3000	1000	Trenchless Crossing
HVDC	K/WA/0013	Ordinary Watercourse	Stoneless Main Stream	River Stour IDB Catchment 174	3000	1000	Trenchless Crossing
HVDC	K/WA/0014	Ordinary Watercourse	Ordinary Watercourse	IDB Catchment Boundary	3000	500	Trenchless Crossing
HVDC	K/WA/0016	Ordinary Watercourse	Stoneless Main Stream	River Stour IDB Catchment 173	3000	1000	Trenchless Crossing

Installation activity	Crossing reference	Type of watercourse	Name of watercourse	Catchment	Indicative watercourse width (mm)	Indicative depth to top of watercourse (mm)	Comments/assumptions /commitments
HVDC Haul Road	K/WA/0033	Ordinary Watercourse	Ordinary Watercourse	IDB Catchment Boundary	3000	500	
HVDC Haul Road	K/WA/0034	Ordinary Watercourse	Ordinary Watercourse	IDB Catchment Boundary	3000	500	
HVDC Haul Road	K/WA/0035	Ordinary Watercourse	Minster Stream	River Stour IDB Catchment 310	3000	1000	
Haul Road	K/WA/0036	Ordinary Watercourse	Minster Stream	River Stour IDB Catchment 310	3000	1000	
Haul Road	K/WA/0037	Ordinary Watercourse	Ordinary Watercourse	IDB Catchment Boundary	3000	500	
Haul Road	K/WA/0038	Ordinary Watercourse	Ordinary Watercourse	IDB Catchment Boundary	3000	500	

Installation activity	Crossing reference	Type of watercourse	Name of watercourse	Catchment	Indicative watercourse width (mm)	Indicative depth to top of watercourse (mm)	Comments/assumptions /commitments
Haul Road	K/WA/0039	Ordinary Watercourse	Minster Stream	River Stour IDB Catchment 310	3000	1000	
HVAC	K/WA/0040.2	Ordinary Watercourse	Ordinary Watercourse	IDB Catchment Boundary	3000	500	
HVAC	K/WA/0040.3	Ordinary Watercourse	Ordinary Watercourse	IDB Catchment Boundary	3000	500	
HVAC	K/WA/0041	Main River	River Stour	EA Kent	16000	5000	
HVAC	K/WA/0041.1	Main River	River Stour	EA Kent	16000	5000	
HVAC	K/WA/0041.2	Ordinary Watercourse	Existing Pond	IDB Catchment Boundary	10000	500	

Installation activity	Crossing reference	Type of watercourse	Name of watercourse	Catchment	Indicative watercourse width (mm)	Indicative depth to top of watercourse (mm)	Comments/assumptions /commitments
HVAC	K/WA/0041.3	Ordinary Watercourse	Ordinary Watercourse	IDB Catchment Boundary	3000	500	
HVAC	K/WA/0041.4	Ordinary Watercourse	Ordinary Watercourse	IDB Catchment Boundary	3000	500	
HVAC	K/WA/0041.5	Ordinary Watercourse	Ordinary Watercourse	IDB Catchment Boundary	3000	500	
Haul Road	K/WA/0042	Ordinary Watercourse	Ordinary Watercourse	IDB Catchment Boundary	3000	500	
Haul Road	K/WA/0043	Ordinary Watercourse	Clapper Hill Lead Dyke	River Stour IDB Catchment 222	3000	1000	
Haul Road	K/WA/0044	Ordinary Watercourse	Ordinary Watercourse	IDB Catchment Boundary	3000	500	

Installation activity	Crossing reference	Type of watercourse	Name of watercourse	Catchment	Indicative watercourse width (mm)	Indicative depth to top of watercourse (mm)	Comments/assumptions /commitments
Haul Road	K/WA/0046	Ordinary Watercourse	Ordinary Watercourse	IDB Catchment Boundary	3000	500	
Haul Road	K/WA/0047	Ordinary Watercourse	Minster Stream	River Stour IDB Catchment 310	3000	1000	
Haul Road	K/WA/0048	Ordinary Watercourse	Ordinary Watercourse	IDB Catchment Boundary	3000	500	
Haul Road	K/WA/0049	Ordinary Watercourse	Minster Stream	River Stour IDB Catchment 310	3000	1000	
Haul Road	K/WA/0050	Ordinary Watercourse	Ordinary Watercourse	IDB Catchment Boundary	3000	1000	
Haul Road	K/WA/0051	Main River	River Stour	EA Kent	16000	5000	Bridge Crossing

Installation activity	Crossing reference	Type of watercourse	Name of watercourse	Catchment	Indicative watercourse width (mm)	Indicative depth to top of watercourse (mm)	Comments/assumptions /commitments
Haul Road	K/WA/0052	Ordinary Watercourse	Ordinary Watercourse	IDB Catchment Boundary	3000	1000	
Haul Road	K/WA/0053	Ordinary Watercourse	Ordinary Watercourse	IDB Catchment Boundary	3000	1000	
Haul Road	K/WA/0054	Ordinary Watercourse	Ordinary Watercourse	IDB Catchment Boundary	3000	1000	
HVAC Haul Road	K/WA/0055	Ordinary Watercourse	Ordinary Watercourse	IDB Catchment Boundary	3000	1000	
HVAC	K/WA/0055.1	Ordinary Watercourse	Ordinary Watercourse	IDB Catchment Boundary	3000	500	
HVAC Haul Road	K/WA/0057	Ordinary Watercourse	Ordinary Watercourse	IDB Catchment Boundary	3000	1000	

Installation activity	Crossing reference	Type of watercourse	Name of watercourse	Catchment	Indicative watercourse width (mm)	Indicative depth to top of watercourse (mm)	Comments/assumptions /commitments
HVAC	K/WA/0057.1	Ordinary Watercourse	Ordinary Watercourse	IDB Catchment Boundary	3000	500	
HVAC	K/WA/0057.2	Ordinary Watercourse	Ordinary Watercourse	IDB Catchment Boundary	3000	500	
HVAC Haul Road	K/WA/0062	Ordinary Watercourse	Ordinary Watercourse	IDB Catchment Boundary	3000	1000	
HVAC Haul Road	K/WA/0063	Ordinary Watercourse	Ordinary Watercourse	IDB Catchment Boundary	3000	1000	

1.4.D.2 Vegetation Crossing Schedules

Suffolk Onshore Scheme Vegetation Crossing Schedule

1.4.D.2.1 Table 1.4.D.3 sets out the indicative vegetation crossing schedule for the Suffolk Onshore Scheme and the crossing locations are shown on **Figure 1.4.D.3 Suffolk Onshore Scheme Vegetation Crossings**.

Table 1.4.D.3: Suffolk Onshore Scheme vegetation crossing schedule

Installation activity	Crossing reference	Woodland type	Area affected (approximate)	Co-located area affected (approximate)
Construction Compound	S/WO/0001	Trees	1500m ²	2500m ²
Cable	S/WO/0002	Trees/Shrubbery	2500m ²	4500m ²
Cable	S/HE/0003	Hedgerow	300m ²	300m ²
Cable	S/HE/0004	Hedgerow	300m ²	300m ²
Cable	S/HE/0005	Hedgerow	300m ²	350m ²
Cable	S/WO/0006	Woodland	1000m ²	3800m ²
Cable	S/HE/0007	Hedgerow	300m ²	500m ²

Installation activity	Crossing reference	Woodland type	Area affected (approximate)	Co-located area affected (approximate)
Cable	S/HE/0008	Hedgerow	240m ²	300m ²
Cable	S/HE/0009	Hedgerow	240m ²	300m ²
Cable	S/HE/0010	Hedgerow/Trees	350m ²	650m ²
Cable	S/HE/0011	Hedgerow/Trees	500m ²	650m ²
Cable	S/WO/0012	Trees/Shrubbery	1500m ²	1500m ²
Cable	S/HE/0013	Hedgerow	500m ²	500m ²
Haul Road	S/HE/0014	Hedgerow	300m ²	N/A
Haul Road	S/WO/0015	Woodland	3500m ²	N/A
Haul Road	S/WO/0016	Trees/Shrubbery	350m ²	N/A

Installation activity	Crossing reference	Woodland type	Area affected (approximate)	Co-located area affected (approximate)
Haul Road	S/WO/0017	Trees/Shrubbery	650m ²	N/A
Haul Road	S/WO/0018	Trees/Shrubbery	1300m ²	N/A
Haul Road	S/HE/0019	Hedgerow	650m ²	N/A
Haul Road	S/WO/0020	Trees/Shrubbery	400m ²	N/A

Kent Onshore Scheme Vegetation Crossings

1.4.D.2.2 Table 1.4.D.4 sets out the indicative vegetation crossing schedule for the Kent Onshore Scheme and the crossing locations are shown on **Figure 1.4.D.4 Kent Onshore Scheme Vegetation Crossings**.

Table 1.4.D.4: Kent Onshore Scheme vegetation crossing schedule

Installation activity	Crossing reference	Woodland type	Area affected (approximate)
Cable	K/HE/0001	Hedgerow	150m ²
Haul Road	K/HE/0002	Hedgerow	300m ²
Converter Station	K/HE/0003	Hedgerow	4000m ²
Haul Road	K/WO/0004	Trees/Shrubbery	250m ²
Haul Road	K/WO/0005	Trees/Shrubbery	250m ²

1.4.D.3 Public Right of Way (PRoW), Highway and Railway Crossing Schedules

Suffolk Onshore Scheme PRoW, Highway and Railway Crossing Schedule

1.4.D.3.1 Table 1.4.D.5 sets out the indicative PRoW, highway and railway crossing schedule for the Suffolk Onshore Scheme and the crossing locations are shown on **Figure 1.4.D.5 Suffolk Onshore Scheme PRoW, Highway and Railway Crossings**.

Table 1.4.D.5: Suffolk Onshore Scheme PRoW, highway and rail crossing schedule

Installation activity	Crossing reference	Type of crossing	Name of crossing	Comments/assumptions/commitments
HVDC Haul Road	S/RO/0003	Road	Thorpe Road	Trenchless crossing
HVDC Haul Road	S/PR/0008	Public Right of Way		Trenchless crossing
HVDC Haul Road	S/PR/0009	Public Right of Way		Trenchless crossing
HVDC Haul Road	S/FO/0011.1	Footpath/Track		Trenchless crossing
HVDC Haul Road	S/RO/0017	Road	Leiston Road B1122	
HVDC Haul Road	S/FO/0019	Footpath/Track		
HVDC Haul Road	S/RO/0020	Road	Chapel Farm	
HVDC Haul Road	S/PR/0022	Public Right of Way		
HVDC Haul Road	S/FO/0023.1	Footpath/Track		
HVDC Haul Road	S/PR/0025	Public Right of Way		

Installation activity	Crossing reference	Type of crossing	Name of crossing	Comments/assumptions/commitments
HVDC Haul Road	S/PR/0026	Public Right of Way		
HVDC Haul Road	S/RO/0032	Road	Snape Road B1069	
HVDC Haul Road	S/PR/0034	Public Right of Way		
HVDC Haul Road	S/FO/0036.1	Footpath/Track		
HVDC Haul Road	S/PR/0038	Public Right of Way		
HVDC Haul Road	S/RO/0039	Road	Grove Road	
HVDC Haul Road	S/PR/0044	Public Right of Way		Permanent diversion required due to Friston Substation
HVDC HVAC Haul Road	S/PR/0053	Public Right of Way		
HVDC HVAC Haul Road	S/PR/0054	Public Right of Way		
HVDC HVAC Haul Road	S/PR/0058	Public Right of Way		
HVDC HVAC Haul Road	S/RO/0059	Road	Unnamed	
Haul Road	S/PR/0064	Public Right of Way		
HVDC	S/PR/0065	Public Right of Way		Permanent diversion required due to

Installation activity	Crossing reference	Type of crossing	Name of crossing	Comments/assumptions/commitments
HVAC Haul Road				Saxmundham Converter Station
Haul Road	S/PR/0066	Public Right of Way		Potential permanent diversion or crossing of new Saxmundham Converter station permanent access road.
Haul Road	S/RO/0073.1	Road	B1119	
Haul Road	S/RA/0077	Rail (Ipswich to Lowestoft)		
Haul Road	S/PR/0078	Public Right of Way		
Haul Road	S/PR/0083	Public Right of Way		Potential permanent diversion or crossing of new Friston Substation access road required.
Haul Road	S/PR/0085	Public Right of Way		Potential permanent diversion or crossing of new Friston Substation access road required.

Kent Onshore Scheme PRow, Highway and Railway Crossing Schedule

1.4.D.3.2 Table 1.4.D.6 sets out the indicative PRow, highway and railway crossing schedule for the Kent Onshore Scheme and the crossing locations are shown on **Figure 1.4.D.6 Kent Onshore Scheme PRow, Highway and Railway Crossings**.

Table 1.4.D.6: Kent Onshore Scheme PRow, highway and railway crossing schedule

Installation activity	Crossing reference	Type of crossing	Name of crossing	Comments/assumptions/commitments
HVDC	K/FO/0003	Footway/Track		Trenchless crossing
HVDC	K/CY/0003.1	Cycle Lane (National Cycle Network)	Viking Coastal Trail	Trenchless crossing
HVDC	K/RO/0007	Road	Sandwich Road	Trenchless crossing
HVDC	K/RO/0027	Road	A256 (Ramsgate Road)	N/A
HVDC Haul Road	K/CY/0027.1	Cycle Lane		Permanent diversion required around bellmouth BM02
HVDC Haul Road	K/FO/0027.2	Footway/Track		Permanent diversion required around bellmouth BM02
HVDC Haul Road	K/PR/0028	Public Right of Way		N/A
HVAC	K/RA/0040	Rail (Minster to Deal)		N/A
HVAC	K/RA/0040.1	Rail (Minster to Deal)		N/A

Installation activity	Crossing reference	Type of crossing	Name of crossing	Comments/assumptions/commitments
	K/RA/0045	Rail (Minster to Deal)		N/A

This page is 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