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Norwich to Tilbury

Volume 6: Environmental Statement

Document: 6.4.A2 Environmental Statement Appendix 4.2 -
Watercourse Crossing Details

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Contents

4.	Watercourse Crossing Details	1
4.1	Introduction	1
	Table A4.2.1 Overhead line watercourse crossing schedule	2
	Table A4.2.2 Underground cable watercourse crossing schedule	26
	Table A4.2.3 PRow diversion watercourse crossing schedule	36
	Abbreviations	37
	Glossary	38

4. Watercourse Crossing Details

4.1 Introduction

- 4.1.1 This appendix has been produced to support Chapter 4: Project Description (document reference 6.4) of the Environment Statement (ES) (Volume 6 of the Development Consent Order (DCO) application) for Norwich to Tilbury (the 'Project').
- 4.1.2 The Project has been broken down into eight geographical sections (referenced throughout this document), based largely on Local Authority boundaries. These are presented on Figure 4.1: Figure 4.1: Proposed Project Design (document reference 6.4.F1) and Figure 4.2: Proposed Project Design – Permanent Features (document reference 6.4.F2) and comprise:
- Section A – South Norfolk Council
 - Section B – Mid-Suffolk District Council
 - Section C – Babergh District Council, Colchester City Council and Tendring District Council
 - Section D – Colchester City Council
 - Section E – Braintree District Council
 - Section F – Chelmsford City Council and Brentwood Borough Council
 - Section G – Basildon Borough Council and Brentwood Borough Council (and part of Chelmsford City Council)
 - Section H – Thurrock Council
- 4.1.3 The tables below identify the watercourse crossing proposed as part of the Project (including reference to the Project Section they are located in), outlining the reason for the required crossing, crossing methodology and whether they are temporary (during construction) or permanent installations for each watercourse. The tables outline the watercourse crossing associated with the following design elements:
- Table A4.2.1 – Overhead Line Watercourse Crossing Schedule
 - Table A4.2.2 – Underground Cable Watercourse Crossing Schedule
 - Table A4.2.3 – Public Right of Way (PRoW) Diversion Watercourse Crossing Schedule
- 4.1.4 Typical drawings for bridge and culvert crossings are provided in the Design and Layout Plans (document reference 2.6).

4.2 Watercourse Crossing Schedule

Table A4.2.1 Overhead line watercourse crossing schedule

Crossing Reference	Project Section	Watercourse Type/Name	Installation Activity	Crossing Type/Method	Temporary or Permanent
RG-WCX-1	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-2	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-3	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-4	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-5	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-6	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-7	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-8	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-9	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-10	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-11	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-12	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-13	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-14	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-15	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-16	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary

Crossing Reference	Project Section	Watercourse Type/Name	Installation Activity	Crossing Type/Method	Temporary or Permanent
RG-WCX-17	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-18	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-19	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-20	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-21	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-22	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-23	A	Mapped Field Drain	Overhead Line	Assumed Closed Culvert	Temporary
RG-WCX-24	A	Mapped Watercourse	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-25	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-26	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-27	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-28	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-29	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-30	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-30A	A	Mapped Field Drain	Overhead Line	Assumed Closed Culvert	Temporary
RG-WCX-31	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-32	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-33	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-34	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary

Crossing Reference	Project Section	Watercourse Type/Name	Installation Activity	Crossing Type/Method	Temporary or Permanent
RG-WCX-35	A	Mapped Watercourse	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-36	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-37	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-38	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-39	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-40	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-41	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-42	A	Mapped Watercourse	Haul Road	Bridge	Temporary
RG-WCX-43	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-44	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-45	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-46	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-47	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-48	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-49	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-50	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-51	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-52	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-53	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary

Crossing Reference	Project Section	Watercourse Type/Name	Installation Activity	Crossing Type/Method	Temporary or Permanent
RG-WCX-54	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-55	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-56	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-57	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-58	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-59	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-60	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-61	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-62	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-63	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-64	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-65	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-66	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-67	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-68	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-69	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-70	A	Main River	Haul Road	Bridge	Temporary
RG-WCX-71	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-72	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary

Crossing Reference	Project Section	Watercourse Type/Name	Installation Activity	Crossing Type/Method	Temporary or Permanent
RG-WCX-73	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-74	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-75	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-76	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-77	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-78	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-79	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-80	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-81	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-82	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-83	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-84	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-85	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-86	A	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-87	A/B	Main River	Haul Road	Bridge	Temporary
RG-WCX-88	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-89	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-90	B	Mapped Watercourse	Haul Road	Bridge	Temporary
RG-WCX-91	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary

Crossing Reference	Project Section	Watercourse Type/Name	Installation Activity	Crossing Type/Method	Temporary or Permanent
RG-WCX-92	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-93	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-94	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-95	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-96	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-97	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-98	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-99	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-100	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-101	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-102	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-103	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-104	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-105	B	Mapped Field Drain	Overhead Line	Assumed Closed Culvert	Temporary
RG-WCX-106	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-107	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-108	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-109	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-110	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary

Crossing Reference	Project Section	Watercourse Type/Name	Installation Activity	Crossing Type/Method	Temporary or Permanent
RG-WCX-111	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-112	B	Mapped Field Drain	Working Area	Assumed Closed Culvert	Temporary
RG-WCX-113	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-114	B	Mapped Field Drain	Working Area	Assumed Closed Culvert	Temporary
RG-WCX-115	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-116	B	Mapped Field Drain	Haul Road	Bridge	Temporary
RG-WCX-117	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-118	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-119	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-120	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-121	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-122	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-123	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-124	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-125	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-126	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-127	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-128	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-129	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary

Crossing Reference	Project Section	Watercourse Type/Name	Installation Activity	Crossing Type/Method	Temporary or Permanent
RG-WCX-130	B	Mapped Field Drain	Haul Road	Bridge	Temporary
RG-WCX-131	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-132	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-133	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-134	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-135	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-136	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-137	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-138	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-139	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-140	B	Mapped Field Drain	Working Area	Assumed Closed Culvert	Temporary
RG-WCX-141	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-142	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-143	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-144	B	Mapped Field Drain	Working Area	Assumed Closed Culvert	Temporary
RG-WCX-145	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-146	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-147	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-148	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary

Crossing Reference	Project Section	Watercourse Type/Name	Installation Activity	Crossing Type/Method	Temporary or Permanent
RG-WCX-149	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-149A	B	Mapped Field Drain	Overhead Line	Assumed Closed Culvert	Temporary
RG-WCX-150	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-151	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-152	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-153	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-154	B	Mapped Field Drain	Haul Road	Bridge	Temporary
RG-WCX-155	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-156	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-157	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-158	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-159	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-160	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-161	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-162	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-163	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-164	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-165	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-166	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary

Crossing Reference	Project Section	Watercourse Type/Name	Installation Activity	Crossing Type/Method	Temporary or Permanent
RG-WCX-167	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-168	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-169	B	Mapped Watercourse	Haul Road	Bridge	Temporary
RG-WCX-170	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-171	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-172	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-173	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-174	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-175	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-176	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-177	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-178	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-179	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-180	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-181	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-182	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-183	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-184	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-185	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary

Crossing Reference	Project Section	Watercourse Type/Name	Installation Activity	Crossing Type/Method	Temporary or Permanent
RG-WCX-186	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-187	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-188	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
RG-WCX-189	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
JC-WCX-1	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
JC-WCX-2	B	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
JC-WCX-3	C	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
JC-WCX-4	C	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
JC-WCX-5	C	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
JC-WCX-6	C	Main River	Haul Road	Bridge	Temporary
JC-WCX-7	C	Mapped Field Drain	Working Area	Assumed Closed Culvert	Temporary
JC-WCX-8	C	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
JC-WCX-9	C	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
JC-WCX-10	C	Mapped Field Drain	Haul Road	Bridge	Temporary
JC-WCX-11	C	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-1	C	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-2	C	Mapped Field Drain	Working Area	Assumed Closed Culvert	Temporary
TB-WCX-3	C	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-4	C	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary

Crossing Reference	Project Section	Watercourse Type/Name	Installation Activity	Crossing Type/Method	Temporary or Permanent
TB-WCX-5	C	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-6	C	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-7	C	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-8	C	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-9	C	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-10	C	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-11	D	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-12	D	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-13	D	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-14	D	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-15	D	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-16	D	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-17	D	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-18	D	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-19	D	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-20	D	Mapped Field Drain	Working Area	Assumed Closed Culvert	Temporary
TB-WCX-21	D	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-22	D	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-23	D	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary

Crossing Reference	Project Section	Watercourse Type/Name	Installation Activity	Crossing Type/Method	Temporary or Permanent
TB-WCX-24	D	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-25	D	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-26	D	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-27	D	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-28	D	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-29	D	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-30	D	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-31	D	Mapped Field Drain	Working Area	Assumed Closed Culvert	Temporary
TB-WCX-32	D	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-33	D	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-34	D	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-35	D	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-36	D	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-37	D	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-38	D	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-39	D	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-40	D	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-41	D	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-42	D	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary

Crossing Reference	Project Section	Watercourse Type/Name	Installation Activity	Crossing Type/Method	Temporary or Permanent
TB-WCX-43	D	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-44	D	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-45	D	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-46	D	Mapped Field Drain	Working Area	Assumed Closed Culvert	Temporary
TB-WCX-47	D	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-48	D	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-49	D	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-50	D	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-51	D	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-52	D	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-53	D	Mapped Field Drain	Working Area	Assumed Closed Culvert	Temporary
TB-WCX-54	D	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-55	D	Main River	Haul Road	Bridge	Temporary
TB-WCX-56	D	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-57	D	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-58	D	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-59	D	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-60	D	Mapped Field Drain	Working Area	Assumed Closed Culvert	Temporary
TB-WCX-61	D	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary

Crossing Reference	Project Section	Watercourse Type/Name	Installation Activity	Crossing Type/Method	Temporary or Permanent
TB-WCX-62	D	Mapped Field Drain	Overhead Line	Assumed Closed Culvert	Temporary
TB-WCX-63	E	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-64	E	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-65	E	Mapped Field Drain	Working Area	Assumed Closed Culvert	Temporary
TB-WCX-66	E	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-67	E	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-68	E	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-69	E	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-70	E	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-71	E	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-72	E	Main River	Haul Road	Bridge	Temporary
TB-WCX-73	E	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-74	E	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-75	E	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-76	E	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-77	E	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-78	E	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-79	E	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-80	E	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary

Crossing Reference	Project Section	Watercourse Type/Name	Installation Activity	Crossing Type/Method	Temporary or Permanent
TB-WCX-81	E	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-82	E	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-83	E	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-84	E	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-85	E	Main River	Haul Road	Bridge	Temporary
TB-WCX-86	E	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-87	E	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-88	E	Mapped Field Drain	Overhead Line	Assumed Closed Culvert	Temporary
TB-WCX-89	E	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-90	E	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-91	E	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-92	E	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-93	E	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-94	E	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-95	E	Main River	Haul Road	Bridge	Temporary
TB-WCX-96	E	Main River	Haul Road	Bridge	Temporary
TB-WCX-97	E	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-98	E	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-99	E	Mapped Field Drain	Working Area	Assumed Closed Culvert	Temporary

Crossing Reference	Project Section	Watercourse Type/Name	Installation Activity	Crossing Type/Method	Temporary or Permanent
TB-WCX-100	E	Mapped Field Drain	Working Area	Assumed Closed Culvert	Temporary
TB-WCX-101	E	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-102	E	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-103	E	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-104	E	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-105	E	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-106	E	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-107	E	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-108	E	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-109	E	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-111	E	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-110	E/F	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-112	F	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-113	F	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-114	F	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-115	F	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-116	F	Main River	Haul Road	Bridge	Temporary
TB-WCX-117	F	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-118	F	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary

Crossing Reference	Project Section	Watercourse Type/Name	Installation Activity	Crossing Type/Method	Temporary or Permanent
TB-WCX-119	F	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-120	F	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-121	F	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-122	F	Mapped Field Drain	Working Area	Assumed Closed Culvert	Temporary
TB-WCX-123	F	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-124	F	Mapped Field Drain	Construction Compound	Assumed Closed Culvert	Temporary
TB-WCX-125	F	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-126	F	Mapped Field Drain	Working Area	Assumed Closed Culvert	Temporary
TB-WCX-127	F	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-128	F	Main River	Haul Road	Bridge	Temporary
TB-WCX-129	F	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-130	F	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-131	F	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-132	F	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-133	F	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-134	F	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-135	F	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-136	F	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-137	F	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary

Crossing Reference	Project Section	Watercourse Type/Name	Installation Activity	Crossing Type/Method	Temporary or Permanent
TB-WCX-138	F	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-139	F	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-140	F	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-141	F	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-142	F	Main River	Haul Road	Bridge	Temporary
TB-WCX-143	F	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-144	F	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-145	F	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-146	F	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-147	F	Mapped Field Drain	Working Area	Assumed Closed Culvert	Temporary
TB-WCX-148	F	Main River	Haul Road	Bridge	Temporary
TB-WCX-149	F	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-150	F	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-151	F	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-152	F	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-153	F	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-154	F	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-155	F	Mapped Field Drain	Working Area	Assumed Closed Culvert	Temporary
TB-WCX-156	F	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary

Crossing Reference	Project Section	Watercourse Type/Name	Installation Activity	Crossing Type/Method	Temporary or Permanent
TB-WCX-157	F	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-158	F	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-159	F	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-160	F	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-161	F	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-162	F	Mapped Field Drain	Overhead Line	Assumed Closed Culvert	Temporary
TB-WCX-163	F	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-164	F	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-165	F	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-166	F	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-167	F	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-168	F	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-169	F	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-170	F	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-171	F	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-172	F	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-173	F	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-174	F	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-175	G	Mapped Field Drain	Working Area	Assumed Closed Culvert	Temporary

Crossing Reference	Project Section	Watercourse Type/Name	Installation Activity	Crossing Type/Method	Temporary or Permanent
TB-WCX-176	G	Main River	Haul Road	Bridge	Temporary
TB-WCX-177	G	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-178	G	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-179	G	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-180	G	Mapped Field Drain	Working Area	Assumed Closed Culvert	Temporary
TB-WCX-181	G	Main River	Haul Road	Bridge	Temporary
TB-WCX-182	G	Main River	Haul Road	Bridge	Temporary
TB-WCX-183	G	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-184	G	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-185	G	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-186	G	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-187	G	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-188	G	Main River	Haul Road	Bridge	Temporary
TB-WCX-189	G	Main River	Haul Road	Bridge	Temporary
TB-WCX-190	G	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-191	G	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-192	G	Mapped Field Drain	Working Area	Assumed Closed Culvert	Temporary
TB-WCX-193	G	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-194	G	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary

Crossing Reference	Project Section	Watercourse Type/Name	Installation Activity	Crossing Type/Method	Temporary or Permanent
TB-WCX-195	G	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-196	G	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-197	G	Main River	Haul Road	Bridge	Temporary
TB-WCX-198	G	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-199	G	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-200	G	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-201	G	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-202	G	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-203	G	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-204	G	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-205	G	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-206	G	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-207	G	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-208	G	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-209	G	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-210	G	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-211	G	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-212	G	Mapped Field Drain	Working Area	Assumed Closed Culvert	Temporary
TB-WCX-213	H	Mapped Field Drain	Overhead Line	Assumed Closed Culvert	Temporary

Crossing Reference	Project Section	Watercourse Type/Name	Installation Activity	Crossing Type/Method	Temporary or Permanent
TB-WCX-214	H	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-215	H	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-216	H	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-217	H	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-218	H	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-219	H	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-220	H	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-221	H	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-222	H	Mapped Field Drain	Working Area	Assumed Closed Culvert	Temporary
TB-WCX-223	H	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-224	H	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-225	H	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-226	H	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-227	H	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-228	H	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-229	H	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-230	H	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-231	H	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
TB-WCX-232	H	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary

Crossing Reference	Project Section	Watercourse Type/Name	Installation Activity	Crossing Type/Method	Temporary or Permanent
TB-WCX-233	H	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
YYJ ZB-WCX-1	H	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
YYJ ZB-WCX-2	H	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
YYJ ZB-WCX-3	H	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
YYJ ZB-WCX-4	H	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
YYJ ZB-WCX-5	H	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
YYJ ZB-WCX-6	H	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
YYJ ZB-WCX-7	H	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
YYJ ZB-WCX-8	H	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary
YYJ ZB-WCX-9	H	Mapped Field Drain	Haul Road	Assumed Closed Culvert	Temporary

Table A4.2.2 Underground cable watercourse crossing schedule

Crossing Reference ¹	Project Section	Watercourse Type/Name	Installation Activity	Crossing Type/Method	Temporary or Permanent
WC_1001	B	Watercourse	Drainage	Outfall headwall	Permanent
WC_1002	B	Watercourse	Drainage	Outfall headwall	Temporary
WC_1003	B	Ditch	Bramford Substation extension Drainage Construction / permanent access	Potential ditch realignment Outfall headwall relocation Culvert	Permanent
WC_1004	B	Ditch	Construction access Utility connections	Culvert Open cut crossing	Temporary
WC_1005	B	Ditch and Culvert	Construction / permanent access	Culvert (existing culvert may need upgrading)	Permanent
WC_1001	C	Watercourse	Drainage	Outfall headwalls	Permanent
WC_2001	C	Ditch	Construction access Cable Sealing End (CSE) compound Underground cable alignment Drainage	Culvert Potential ditch realignment Open cut Outfall pipe crossing	Temporary Permanent Permanent Temporary
WC_2002	C	Watercourse	Drainage	Outfall headwall	Permanent

¹ Reference is attributed to the watercourse crossed, not specific crossing locations of that watercourse as denoted on Figure 4.1: Proposed Project Design (document reference 6.4.F1) and Figure 4.2: Proposed Project Design – Permanent Features (document reference 6.4.F2).

Crossing Reference¹	Project Section	Watercourse Type/Name	Installation Activity	Crossing Type/Method	Temporary or Permanent
WC_2003 ²	C	Watercourse	Construction access Underground cable	Culvert Open cut	Temporary and Permanent
WC_2004	C	Watercourse	Underground cable Construction access Permanent access Drainage	Open Cut Culvert Existing culvert Outfall headwall	Permanent Temporary Permanent Temporary
WC_2005	C	Ditch	Construction access Underground cable alignment	Culvert Open Cut	Temporary Permanent
WC_2006 ²	C	Ditch	Construction access Underground cable	Culvert Open cut	Temporary and Permanent
WC_2007	C	Ditch	Construction access Underground cable alignment	Culvert Open Cut	Temporary Permanent
WC_2008	C	Ditch	Underground cable alignment	Open Cut	Permanent
WC_2009	C	Ditch	Construction access Underground cable alignment	Culvert Open Cut	Temporary Permanent
WC_2010	C	Ditch	Construction access Underground cable alignment	Culvert Open Cut	Temporary Permanent
WC_2011	C	Watercourse	Drainage	Outfall headwall	Temporary

² Considered unlikely to be affected by the works, extent of watercourse to be confirmed on site to confirm impact – assumed to be affected as worst-case for the ES.

Crossing Reference¹	Project Section	Watercourse Type/Name	Installation Activity	Crossing Type/Method	Temporary or Permanent
WC_2012	C	Ditch	Drainage	Outfall headwall	Temporary
WC_2013	C	Ditch	Construction access Underground cable alignment	Culvert Open Cut	Temporary Permanent
WC_2014	C	Ditch	Construction access Underground cable alignment	Culvert Open Cut	Temporary Permanent
WC_2015	C	Watercourse	Drainage	Outfall headwall	Temporary
WC_2016	C	Ditches	Construction access Underground cable alignment	Culverts – north and south of Green Lane Open Cut	Temporary Permanent
WC_2017	C	Watercourse	Drainage	Outfall headwall	Temporary
WC_2018 ²	C	Pond / Watercourse	Construction access Underground cable	Culvert Open cut	Temporary and Permanent
WC_2019 ²	C	Pond / Watercourse	Construction access Underground cable	Culvert Open cut	Temporary and Permanent
WC_2020	C	Ditches and ponds of various sizes	Construction access Underground cable alignment	Culverts Open Cut and trenchless crossing	Temporary Permanent
WC_2021	C	Ditch	Construction access Underground cable alignment	Culvert Open Cut	Temporary Permanent
WC_2022	C	Main River – River Stour	Underground cable alignment	Trenchless Crossings	Permanent

Crossing Reference ¹	Project Section	Watercourse Type/Name	Installation Activity	Crossing Type/Method	Temporary or Permanent
			Drainage	Outfall headwall	Temporary
WC_2023	C	Watercourse	Construction access Underground cable alignment	Culvert Open Cut	Temporary Permanent
WC_2024	C	Watercourse	Construction access Underground cable alignment	Culvert Open Cut	Temporary Permanent
WC_2025	C	Watercourse	Underground cable alignment	Open Cut	Permanent
WC_2026	C	Main River – River Stour	Underground cable alignment Drainage	Trenchless Crossings Outfall headwalls – 2no.	Permanent Temporary
WC_2027	C	Watercourse	Underground cable alignment Drainage	Trenchless Crossing Outfall pipe/headwall	Permanent Temporary
WC_2028	C	Pond / Watercourse	Underground cable alignment Drainage	Open Cut Outfall headwall	Permanent Temporary
WC_2029	C	Ditch	Construction access Permanent access Underground cable alignment	Culvert Culvert Open Cut	Temporary Permanent Permanent
WC_2030	C	Ditch	Construction access Underground cable alignment	Culvert Open Cut	Temporary Permanent

Crossing Reference ¹	Project Section	Watercourse Type/Name	Installation Activity	Crossing Type/Method	Temporary or Permanent
WC_2031	C	Watercourse	Drainage	Outfall headwall	Temporary
WC_2032	C	Watercourse	Construction access Permanent access Underground cable alignment	Culvert Culvert Open Cut	Temporary Permanent Permanent
WC_2033	C	Watercourse	Construction access Underground cable alignment	Culvert Open Cut	Temporary Permanent
WC_2034	C	Watercourse	Drainage	Outfall headwall	Temporary
WC_2035	C	Ditch	Construction access	Culvert (possible ³)	Temporary
WC_2036	C	Watercourse	Drainage	Outfall headwall	Temporary
WC_2037	C	Watercourse / Pond	Drainage	Outfall headwall	Temporary
WC_2038	C	Watercourse / Pond	Utility diversion	Culvert (possible ⁴)	Temporary
WC_2039	C	Brook / Watercourse	Construction access Drainage Underground cable alignment Utility diversion	Culvert Outfall headwall Open Cut Culvert (possible ⁴)	Temporary Temporary Permanent Temporary
WC_2040	C	Watercourse / Pond	Construction access Drainage	Culvert Outfall headwall Open Cut	Temporary Temporary Permanent

³ It may be necessary to widen an existing field entrance which has a ditch adjacent to it we would then need to culvert the ditch, assessment assumes culvert is required.

⁴ The water feature sits within the working width of the utility diversion, potential need to temporarily culvert to enable the diversion, assessment assumes culvert is required.

Crossing Reference ¹	Project Section	Watercourse Type/Name	Installation Activity	Crossing Type/Method	Temporary or Permanent
			Underground cable alignment		
WC_2041	C	Watercourse / Pond	Utility diversion	Culvert (possible ⁴)	Temporary
WC_2042	C	Ditch	Construction access Underground cable alignment Utility diversion	Culvert Open Cut Culvert (possible ⁴)	Temporary Permanent Temporary
WC_2043	C	Ditches	Construction accesses Underground cable alignment Utility connections	Culverts – north and south of Birchwood Road Open Cut Open Cut	Temporary Permanent Temporary
WC_2044	C	Ditch	Construction compounds Construction accesses Underground cable alignment	Potential ditch realignment Culverts Open Cut	Temporary Temporary Permanent
WC_2045	C	Watercourse	Drainage	Outfall headwall	Temporary
WC_2046	C	Watercourse / Pond	Underground cable alignment	Open Cut	Permanent
WC_2047	C	Watercourse	Construction accesses Underground cable alignment Utility diversion	Culverts – east and west of Dedham Road Open Cut Culvert (possible ⁴) Outfall headwall	Temporary Permanent Temporary Temporary

Crossing Reference ¹	Project Section	Watercourse Type/Name	Installation Activity	Crossing Type/Method	Temporary or Permanent
			Drainage		
WC_2048	C	Unknown	Underground cable alignment Utility diversion	Trenchless crossing Trenchless / OHL	Permanent Permanent
WC_2049	C	Ditch	Construction access Underground cable alignment	Culvert Open Cut	Temporary Permanent
WC_2050 ²	C	Watercourse / Pond	Construction access Underground cable	Culvert Open cut	Temporary and Permanent
WC_2051	C	Ditch	Construction access	Culvert	Temporary
WC_2052	C	Ditch	Construction / permanent access Utility connections Drainage	Culvert Open Cut Outfall headwalls	Permanent Permanent Permanent
WC_2053	C	Ditch	Construction / permanent access Drainage	Culvert Outfall pipe open cut	Permanent Permanent
WC_2054	C	Watercourse	Drainage	Outfall headwalls	Permanent
WC_2055	C	Ditch	Construction / permanent access	Culvert (existing culvert may need upgrading)	Permanent
WC_2056	C	Ditch	Drainage	Outfall headwall	Temporary
WC_3001	D	Watercourse	Drainage	Outfall headwall	Permanent
WC_3002	D	Watercourse	Drainage	Open Cut	Permanent

Crossing Reference ¹	Project Section	Watercourse Type/Name	Installation Activity	Crossing Type/Method	Temporary or Permanent
			Underground cable alignment	Outfall headwall	Temporary
WC_3003	D	Watercourse	Construction / permanent access	Possible widening/replacement of existing culvert	Permanent
WC_3004	D	Ditch	Construction access Underground cable alignment	Culvert Open Cut	Temporary Permanent
WC_3005	D	Ditch	Construction access Underground cable alignment Utility diversion	Culvert Open Cut Culvert (possible ⁴)	Temporary Permanent Temporary
WC_3006	D	Ditch	Construction access Underground cable alignment Utility connections	Culvert Open Cut Culvert (possible ⁴)	Temporary Permanent Temporary
WC_3007	D	Watercourse	Drainage	Outfall headwall	Temporary
WC_3008	D	Ditches	Construction access Underground cable alignment	Culverts – north and south of School Lane Open Cut	Temporary Permanent
WC_3009	D	Watercourse	Construction access Underground cable alignment	Culvert Open Cut	Temporary Permanent

Crossing Reference ¹	Project Section	Watercourse Type/Name	Installation Activity	Crossing Type/Method	Temporary or Permanent
WC_3010	D	Watercourse	Construction accesses	Culverts for haul road and bypass haul road	Temporary
			Underground cable alignment	Open Cut	Permanent
WC_3011	D	Watercourse	Construction accesses	Culverts for haul road and bypass haul road	Temporary
			Underground cable alignment Drainage	Open Cut Outfall headwalls 2no.	Permanent Temporary
WC_3012 ²	D	Watercourse / Pond	Construction access Underground cable	Culvert Open cut	Temporary and Permanent
WC_3013	D	Ditch	Construction access Underground cable alignment	Culvert Open Cut	Temporary Permanent
WC_3014	D	Ditch	Construction / permanent access Underground cable alignment	Culvert Open Cut	Permanent Permanent
WC_3015	D	Watercourse	Drainage	Outfall headwalls 2no.	Permanent and Temporary
WC_3016	D	Watercourse / Pond	Drainage	Outfall headwall	Temporary
WC_4001	E	Ditch	Utility connections	Open cut /OHL	Temporary
WC_4002	E	Ditch	Construction access Utility connections	Culvert Open cut /OHL	Temporary Temporary

Crossing Reference ¹	Project Section	Watercourse Type/Name	Installation Activity	Crossing Type/Method	Temporary or Permanent
WC_4003	E	Watercourse	Drainage	Outfall headwalls 2no.	Permanent
WC_5001	F	Watercourse	Construction access Drainage	Culvert Outfall headwall	Temporary Temporary
WC_5002 ²	F	Pond	Construction access Underground cable	Culvert Open cut	Temporary and Permanent
WC_5003	F	Ditch	Drainage	Outfall headwall or open cut pip crossing	Temporary
WC_6001	H	Watercourse	Drainage	Outfall headwalls 2no.	Permanent
WC_6002	H	Ditch	Construction / permanent access Utility connections	Potential upgrade to existing culvert Open cut / OHL	Permanent Permanent
WC_6003	H	Watercourse / Pond	Utility connections	Open cut / OHL	Permanent
WC_6004	H	Watercourse / Pond	Drainage	Outfall headwall	Permanent

Table A4.2.3 PRow diversion watercourse crossing schedule

Crossing Reference	Project Section	Watercourse Type/Name	Installation Activity	Crossing Type/Method	Temporary or Permanent
Roydon South Norfolk FP4	A	Drain	PRoW Diversion	Assumed Closed Culvert	Temporary
Eastlands Lane	B	Watercourse	PRoW Diversion	Assumed Closed Culvert	Temporary
Little Blakenham FP 54	B	Watercourse	PRoW Diversion	Assumed Closed Culvert	Temporary
Barking FP6 and Battsford FP25	B	Watercourse	PRoW Diversion	Assumed Closed Culvert	Temporary
Mendlesham BOAT 59	B	Drain	PRoW Diversion	Assumed Closed Culvert	Temporary
Wenham Magna BR14	C	Drain	PRoW Diversion	Assumed Closed Culvert	Temporary
Aldham BR20 123	D	Main River	PRoW Diversion	Assumed Closed Culvert	Temporary
Great Tey FP36 137	D	Watercourse	PRoW Diversion	Assumed Closed Culvert	Temporary
Faulkbourne FP1 77	E	Main River	PRoW Diversion	Assumed Closed Culvert	Temporary
Margaretting FP13 226	F	Watercourse	PRoW Diversion	Assumed Closed Culvert	Temporary
Little Waltham FP13 225	F	Drain	PRoW Diversion	Assumed Closed Culvert	Temporary
Little Waltham FP21 225	F	Watercourse	PRoW Diversion	Assumed Closed Culvert	Temporary
Margaretting FP 13 226	F	Watercourse	PRoW Diversion	Assumed Closed Culvert	Temporary

Abbreviations

Abbreviation	Full Reference
CSE	Cable Sealing End
DCO	Development Consent Order
ES	Environmental Statement
PRoW	Public Right of Way

Glossary

Term	Description
Cable Sealing End Compound	Electrical infrastructure used as the transition point between overhead lines and underground cables. A compound on the ground acts as the principal transition point.
Culvert	A channel or pipe that carries water below the level of the ground
Development Consent Order	A statutory instrument which grants consents and other rights to build a Nationally Significant Infrastructure Project, as defined by the Planning Act 2008
Environmental Statement	The main output from the EIA process, an ES is the report required to accompany an application for development consent (under the Infrastructure Planning (EIA) Regulations 2017) to inform public and stakeholder consultation and the decision on whether a project should be allowed to proceed. The EIA Regulations set out specific requirements for the contents of an ES for Nationally Significant Infrastructure Projects.

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