
Appendix A18.1
Details of Utility Conflicts and
Diversions



Rialtas
na hÉireann
Government
of Ireland

Tionscadal Éireann
Project Ireland
2040



Iarnród Éireann
Irish Rail

ARUP



DART+
Coastal North

CONTENTS

18.	APPENDIX A18.1 – DETAILS OF UTILITY CONFLICTS AND DIVERSIONS	1
-----	--	---

18. APPENDIX A18.1 – DETAILS OF UTILITY CONFLICTS AND DIVERSIONS

Appendix A18.1 lists the proposed utilities diversion works for the DART+ Coastal North Proposed Development and potential significance of impact during the Construction Phase.

Table 18-1 Diversion Classification - Acronyms

Diversion Classification / Acronym	Definition
UTX	Under Track Crossing
OH-DV	Overhead Diversion
UG-DV	Underground Diversion
UG-UDV	Underground Utility Diversion
OH-UDV	Overhead Utility Diversion
UDV	Utility Diversion
OH-PDV	Overhead Parallel Diversion
UG-PDV	Underground Parallel Diversion

Table 18-2 Utility Diversions

Asset Owner	Location / Zone	GPS Coordinates	Utility Details	Conflict	Diversion Details	Diversion Length	Diversion Classification (and chainage)	Comments/ Notes	Baseline Rating	Magnitude of Impact	Significance of Effect – Pre-Mitigation
ESB	Newtown, Co Louth Zone E	53.711191, - 6.325047	High Voltage Overhead Crossing (2 no. 37kV)	Vertical clearance to proposed OHLE	6 wires crossing (2 x 3 cables crossing)	567m	UTX1 (CH 51+560)	Horizontal Directional Drilling	High	High	Significant
ESB	Newtown, Co Louth Zone E	53.711431, - 6.326871	Medium Voltage Overhead Crossing (10 kV)	Vertical clearance to proposed OHLE	3 wires crossing	60m	UTX1 (CH 51+710)	Horizontal Directional Drilling	Medium	High	Significant
ESB	Colp West, Co Meath Zone D	53.707818, - 6.306479	Medium Voltage Overhead Crossing (10 kV)	Vertical clearance to proposed OHLE	3 wires crossing	300m	UTX2 (CH 50+270)	Horizontal Directional Drilling	Medium	Medium	Moderate
ESB	Colp East, Co Meath Zone D	53.704098, - 6.292616	Medium Voltage Overhead Crossing (10 kV)	Vertical clearance to proposed OHLE	3 wires crossing	377m	OH-DV1 (CH 49+250)	-	Medium	Medium	Moderate
ESB	Betaghstown, Co Meath Zone D	53.698507, - 6.272207	Medium Voltage Overhead Crossing (10 kV)	Vertical clearance to proposed OHLE	3 wires crossing	276m	UG-DV1 (CH 47+770)	-	Medium	Medium	Moderate
ESB	Ninch, Co Meath Zone D	53.681989, - 6.245505	Medium Voltage Overhead Crossing (10 kV)	Vertical clearance to proposed OHLE	3 wires crossing	487m	UTX3 (CH 45+200)	Horizontal Directional Drilling	Medium	High	Significant

Asset Owner	Location / Zone	GPS Coordinates	Utility Details	Conflict	Diversion Details	Diversion Length	Diversion Classification (and chainage)	Comments/ Notes	Baseline Rating	Magnitude of Impact	Significance of Effect – Pre-Mitigation
ESB	Corballis, Co Meath Zone D	53.675506, - 6.240030	Low Voltage Overhead Crossing	Vertical clearance to proposed OHLE	1 wires crossing	180m	UTX4 (CH 44+390)	Horizontal Directional Drilling	Medium	High	Significant
ESB	Corballis, Co Meath Zone D	53.672936, - 6.238460	Medium Voltage Overhead Crossing	Vertical clearance to proposed OHLE	2 wires crossing	351m	UTX4 (CH 44+080)	Horizontal Directional Drilling	Medium	High	Significant
ESB	Knocknagin, Co Dublin Zone C	53.629442, - 6.206196	Medium Voltage Overhead Crossing	Vertical clearance to proposed OHLE	2 wires crossing	261m	OH-DV3 (CH 38+730)	-	Medium	Medium	Moderate
ESB	Kilsough North, Co Dublin Zone C	53.603059, - 6.168166	Medium Voltage Overhead Crossing	Vertical clearance to proposed OHLE	6 wires crossing	445m	UTX5 (CH 34+840)	Horizontal Directional Drilling	Medium	High	Significant
ESB	Kilsough North, Co Dublin Zone C	53.597564, - 6.162545	Medium Voltage Overhead Crossing	Vertical clearance to proposed OHLE	2 wires crossing	287m	UTX6 (CH 34+120)	Horizontal Directional Drilling	Medium	High	Significant
ESB	Barnageera, Co Dublin Zone C	53.584844, - 6.147426	Medium Voltage Overhead Crossing	Vertical clearance to proposed OHLE	3 wires crossing	191m	UG-DV2 (CH 32+380)	-	Medium	Medium	Moderate
ESB	Hacketstown, Co Dublin Zone C	53.565761, - 6.114412	Medium Voltage Overhead Crossing	Vertical clearance to proposed OHLE	3 wires crossing	215m	UTX7 (CH 29+140)	Horizontal Directional Drilling	Medium	Medium	Moderate
ESB	Dellabrown, Co Dublin Zone C	53.550883, - 6.113576	Medium Voltage Overhead Crossing	Vertical clearance to proposed OHLE	3 wires crossing	189m	UTX8 (CH 27+460)	Horizontal Directional Drilling	Medium	High	Significant

Asset Owner	Location / Zone	GPS Coordinates	Utility Details	Conflict	Diversion Details	Diversion Length	Diversion Classification (and chainage)	Comments/ Notes	Baseline Rating	Magnitude of Impact	Significance of Effect – Pre-Mitigation
ESB	Ballykea, Co Dublin Zone C	53.547420, - 6.116797	Medium Voltage Overhead Crossing	Vertical clearance to proposed OHLE	2 wires crossing	971m	UTX8 (CH 27+042)	Horizontal Directional Drilling	Medium	High	Significant
ESB	Kingstown, Co Dublin Zone C	53.524242, - 6.139982	Low Voltage Overhead Crossing	Vertical clearance to proposed OHLE	1 wire crossing	290m	OH-DV4 (CH 24+035)	New supply from Overhead Medium Voltage	Medium	High	Significant
ESB	Effelstown, Co Dublin Zone C	53.522364, - 6.141855	Medium Voltage Overhead Crossing	Vertical clearance to proposed OHLE	2 wires crossing	254m	UTX9 (CH 23+772)	Horizontal Directional Drilling	Medium	High	Significant
ESB	Rogerstown, Co Dublin Zone C	53.515075, - 6.146943	Medium Voltage Overhead Crossing	Vertical clearance to proposed OHLE	3 wires crossing	318m	OH-DV5 (CH 22+888)	-	Medium	High	Significant
ESB	Donabate, Co Dublin Zone C	53.483222, - 6.151824	Medium Voltage Overhead Crossing	Vertical clearance to proposed OHLE	3 wires crossing	937m	UG-DV3 (CH 19+331)	-	Medium	High	Significant
ESB	Gormanston, Co Meath Zone D	53.636606, - 6.216160	ESB Low Voltage Overhead Crossing	Vertical clearance to proposed OHLE	2 wires crossing	278m	UTX11 (CH 39+760)	-	Medium	Medium	Moderate
ESB	Balbriggan, Co Dublin Zone C	53.609558, - 6.178616	ESB Low Voltage Overhead Crossing	Vertical clearance to proposed OHLE	2 wires crossing	175m	UG-DV4 (CH 35+845)	-	Medium	High	Significant
ESB	Kilsough North, Co Dublin	53.605830, - 6.172544	ESB Low Voltage	Vertical clearance to	1 wire crossing	46m	UG-DV5	-	Medium	Medium	Moderate

Asset Owner	Location / Zone	GPS Coordinates	Utility Details	Conflict	Diversion Details	Diversion Length	Diversion Classification (and chainage)	Comments/ Notes	Baseline Rating	Magnitude of Impact	Significance of Effect – Pre-Mitigation
	Zone C		Overhead Crossing	proposed OHLE			(CH 35+267)				
ESB	Haystown, Co. Dublin Zone C	53.536681, - 6.127507	ESB High Voltage Overhead Crossing	Vertical clearance to proposed OHLE	3 wires crossing	88m	UTX10 (CH 25+626)	Horizontal Directional Drilling	High	High	Significant
ESB	Barnageera, Co Dublin Zone C	53.586252, - 6.150425	Medium Voltage Overhead Crossing (10 kV)	Vertical clearance to proposed OHLE	2 wires crossing	20m	UG-DV6 (CH 32+623)	-	Medium	Medium	Moderate
ESB	Ballykea, Co Dublin Zone C	53.548039, - 6.116197	Low Voltage Overhead Crossing	Vertical clearance to proposed OHLE	1 wire crossing	108m	UG-DV8 (CH 27+100)	-	Medium	Medium	Moderate
ESB	Effelstown, Co Dublin Zone C	53.521720, - 6.142494	Medium Voltage Overhead Crossing (10 kV)	Vertical clearance to proposed OHLE	1 wire crossing	153m	UG-DV7 (CH 23+697)	-	Medium	Medium	Moderate
ESB	Barnageera, Co Dublin Zone C	53.583638, - 6.146833	Low Voltage Overhead	Clearance to access road	2 wires crossing	31m	OH-DV6 (CH 32+250)	-	High	Low	Slight
EIR	Donabate, Co. Dublin Zone C	53.485880, - 6.151403	Overhead telecom	Vertical clearance to proposed OHLE	3 wires crossing	46m	UG-UDV1 (CH 19+625)	-	High	Low	Slight
EIR	Donabate, Co. Dublin Zone C	53.497450, - 6.149704	Overhead telecom	Vertical clearance to proposed OHLE	2 wires crossing	99m	UG-UDV2 (CH 20+920)	-	High	Low	Slight

Asset Owner	Location / Zone	GPS Coordinates	Utility Details	Conflict	Diversion Details	Diversion Length	Diversion Classification (and chainage)	Comments/ Notes	Baseline Rating	Magnitude of Impact	Significance of Effect – Pre-Mitigation
EIR	Lusk, Co. Dublin Zone C	53.525126, - 6.139111	Overhead telecom	Vertical clearance to proposed OHLE	1 wire crossing	96m	UG-UDV3 (CH 24+132)	-	High	Low	Slight
EIR	Rogerstown, Co Dublin Zone C	53.5163618, -6.1477057	Overhead telecom	Vertical clearance to proposed OHLE	1 wire crossing	188m	UG-UDV4 (CH 23+040)	-	High	Low	Slight
EIR/BT	Drogheda, Co. Louth Zone E	53.711320, - 6.334987	Overhead telecom	Station construction works	Multiple underground ducts and poles	159m	UG-UDV5 (CH 52+185)	-	High	Low	Slight
EIR	Gormanston, Co Meath Zone D	53.637040, - 6.216495	Overhead telecom	Vertical clearance to proposed OHLE	1 wire crossing	60m	UG-UDV7 (CH 39+830)	-	High	Low	Slight
Richmond Homes	Clongriffin, Co Dublin Zone B	53.402294, - 6.148782	Underground sewer	Vertical clearance to proposed retaining wall	Gravity Foul	44m	UDV8 (CH 10+250)	-	Medium	Medium	Moderate
Richmond Homes	Clongriffin, Co Dublin Zone B	53.402294, - 6.148782	Underground surface water	Vertical clearance to proposed retaining wall	Gravity Surface water	55m	UDV9 (CH 10+250)	-	Medium	Medium	Moderate

Table 18-3 Parallel Cables Diversions

Asset Owner	Location / Zone	Chainage From	Chainage To	Utility Details	Conflict	Diversion Details	Diversion Length	Diversion Classification	Baseline Rating	Magnitude of Impact	Significance of Effect
ESB	Kingstown, Co. Dublin Zone C	24+000	24+200	Low/Medium Voltage Overhead Parallel	Horizontal clearance to proposed OHLE	1 parallel wire and poles	155m	OH-PDV1	Medium	Low	Slight
ESB	Kingstown, Co. Dublin Zone C	24+440	25+030	Medium Voltage Overhead Parallel	Horizontal clearance to proposed OHLE	3 parallel wires and poles	606m	OH-PDV2	Medium	High	Significant
ESB	Tyrrelstown, Co. Dublin Zone C	25+270	25+600	Medium Voltage Overhead Parallel	Horizontal clearance to proposed OHLE	3 parallel wires and poles	339m	OH-PDV3	Medium	Medium	Moderate
ESB	Tyrrelstown, Co. Dublin Zone C	25+780	26+100	Medium Voltage Overhead Parallel	Horizontal clearance to proposed OHLE	3 parallel wires and poles	410m	OH-PDV4	Medium	High	Significant
ESB	Loughshinny, Co. Dublin Zone C	26+200	26+680	Medium Voltage Overhead Parallel	Horizontal clearance to proposed OHLE	3 parallel wires and poles	700m	OH-PDV5	Medium	High	Significant
ESB	Loughshinny, Co. Dublin Zone C	26+810	26+960	Medium Voltage Overhead Parallel	Horizontal clearance to proposed OHLE	3 parallel wires and poles	149m	OH-PDV6	Medium	Low	Slight
ESB	Skerries, Co. Dublin Zone C	29+040	29+160	Medium Voltage Overhead Parallel	Horizontal clearance to proposed OHLE	3 parallel wires and poles	116m	UG-PDV7	Medium	Low	Slight
ESB	Skerries, Co. Dublin Zone C	30+030	30+160	Low Voltage Overhead Parallel	Horizontal clearance to proposed OHLE	1 parallel wire and poles	138m	UG-PDV8	Medium	Medium	Moderate
ESB	Skerries, Co. Dublin Zone C	30+440	30+550	Medium Voltage Overhead Parallel	Horizontal clearance to proposed OHLE	3 parallel wires and poles	137m	OH-PDV9	Medium	Low	Slight

Asset Owner	Location / Zone	Chainage From	Chainage To	Utility Details	Conflict	Diversion Details	Diversion Length	Diversion Classification	Baseline Rating	Magnitude of Impact	Significance of Effect
ESB	Balbriggan Co. Dublin Zone C	34+670	35+860	Low Voltage Overhead Parallel	Horizontal clearance to proposed OHLE	3 parallel wires and poles	1,301m	UG-PDV10	Medium	Very High	Very Significant
ESB	Balbriggan Co. Dublin Zone C	35+280	35+330	Medium Voltage Overhead Parallel	Horizontal clearance to proposed OHLE	3 parallel wires and poles	72m	UG-PDV11	Medium	Medium	Moderate
ESB	Balbriggan Co. Dublin Zone C	35+700	35+840	Medium Voltage Overhead Parallel	Horizontal clearance to proposed OHLE	3 parallel wires and poles	268m	UG-PDV12	Medium	Medium	Moderate
ESB	Balbriggan Co. Dublin Zone C	36+230	36+560	Low Voltage Overhead Parallel	Horizontal clearance to proposed OHLE	1 parallel wire and poles	376m	UG-PDV13	Medium	Medium	Moderate
ESB	Gormanston, Co. Meath Zone D	39+480	39+620	Low Voltage Overhead Parallel	Horizontal clearance to proposed OHLE	2 parallel wires and poles	139m	OH-PDV14	Medium	Medium	Moderate
ESB	Clongriffin, Co Dublin Zone B	9+980	10+080	Medium Voltage Underground Parallel	Horizontal clearance to proposed SEB building	1 parallel ducts and chambers	102m	UG-PDV15	Medium	Medium	Moderate