



Environmental
Statement Volume IV –
Appendix 3-2: Crossing
Schedule



Applicant: Chrysaor Production (U.K.) Limited,

a Harbour Energy Company PINS Reference: EN070008 Planning Act 2008 (as amended)

The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 - Regulation 5(2)(a)

Date: October 2023





PINS Reference	Document Reference	Document Revision	Date
EN070008	EN070008/APP/6.4.3.2	Revision 1	October 2023

Prepared by	Verified by	Approved by
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Penspen Limited



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Item No	Purple Route Name of Crossin	6 Major Xing	Minor Xing	O/H powerline Road RDX	Railway Line RLX River RVX	Canal CNX Drain DX	Pipeline PLX Electrical Line ELX	Track TX Telecomms TLX	Horns	Flumed c Bailey Bridge	r Notes	Augur Bore Crossing Length (m) (Adjusted to suit 12m pipe lengths)	HDD Crossing Length (m) (adjusted to suit 12m pipe lengths)	Chainage (KP)	Chainage (metres)	OSGB36 Eastings	OSGB36 Northings	Road Xing Augur Bore Road Crossing Guided Augur Bore	ad Xii	Road Crossing HDD Watercourse HDD	5 5	Watercourse Auger-bore	Watercourse Open cut Reilway Ying Guided Aurer Bore	X X	Pipeline auger-bore	Pipeline Open Cut Hornsea Cables	Hornsea Cables and Railway Crossing HDD Telecoms	open cut Buried powerline open cut	O/H powerline	Remarks
1				\perp					Offtake		A trenchless crossing would be used to go under the			0 + 000	0.00	517018.87	416844.31		+			+	_		Н			+	+	
1 1	1 Humber Road			1					RDX001I		Humber Road, avoiding disruption to this major access road for the Port and local companies.	24		0 + 093	93.42	517066.49	416765.76	1												
2 1			1	+	1	+	1		RLX001F ELX001F			24		0 + 166 0 + 216		517064.89 517058.79	416705.32 416662.03		+		+		1		\vdash	_		_	\vdash	
4 1	Humber Road	1		1			1		RDX002I		A trenchless crossing would be used to go under the			0 + 232 0 + 242	232.05	517068.57 517074.96	416649.67 416641.60												П	This auger-bore will
5 1 6 1			1		Н	\rightarrow	1		PLX001F		Humber Road, avoiding disruption to this major road. This auger-bore will include all utilities between ELX001F	48		0 + 242	242.35	517074.96	416641.09	1 —				+							H 6	include all utilities between ELX001P to
7 1 8 1	Buried powerline	9	1		Н		1		ELX003F		to PLX002P			0 + 253 0 + 258	253.43	517081.84 517085.15	416632.91 416628.73												Ш	PLX002P
9 1	Telecoms cable	:	1				1	1	TLX001F	n/a	Twin telecom cables			0 + 389	389.82	517191.44	416552.37											1		Twin telecom cables
10 1	Private Road Above ground pipe r	ack 1	1	1			1		PLX003F		Trenchless crossing being completed as part of PLX 001			0 + 494 0 + 530		517288.12 517318.74	416519.79 416507.37		1			+	_				+	_		
12 1	Drain (part of PLX00	01P)	1			1	1		DX001P	n/a	works. Access to be around existing pipe rack, hence no			0 + 538	538.20	517321.76	416500.44								1					:
13 1 14 1	Bas PL(part of PLX0 Drain	01P)	1	+	Н	1	+	Н	PLX004F DX001AI		need for flumed ditch crossing. Flumed crossing of field drain for access along RoW.			0 + 540 0 + 594		517322.82 517361.15	416498.01 416463.50	\vdash	+-			+	1			-	++	_	++	
15 1	I Drain		1	+	1	$\pm \pm$		\vdash	RVX0010		Flumed crossing of field drain for access along RoW.			0+911	911.40	517622.77	416286.45						1						+	
16 1			1	1	H.				RDX004I		Was DX002P - change to RVX001GP			0+991	991.80	517687.44	416238.68		1			+-						-	++	Telecoms
17 1	Telecoms cable		1		П			1	TLX002F	n/a				1 + 017	1017.05	517707.75	416223.67											1		Tologomo
18 1	Habrough drain		1			1			DX003P	Flumed	Flumed crossing of field drain for access along RoW.			1+039	1039.91	517713.24	416208.19						1							
19 1	A1173 Road (dual-carriageway	y) 1		1					RDX005I	n/a	This auger-bore includes buried powerlines, telecoms and water	48		1+081	1081.45	517688.33	416174.95	1												This auger-bore includes buried powerlines, telecoms and water
20 1	Habrough drain		1			1			DX004P	Flumed	Flumed crossing required for access, to be confirmed			1 + 305	1305.24	517526.14	416022.14						1							
21 1	I Drain		1		Н	1			DX005P	n/a	whether major or minor crossing Block here due to conservation area - no fluming of			1+668	1668.91	517431.29	415710.41													
	Buch								DVOOFAL		Block here due to conservation area - no fluming of			1 + 848	1848.92	517263.60	415644.94													
22 1	Drain		1	\perp	Ш	1		Ш	DX005AI	P n/a	ditches. HDD Option to avoid P66 and Childrens Avenue		636	1+848	1848.92	517263.60	415644.94												3	636m HDD
23 1	Drain		1			1			DX006AI		Block here due to conservation area - no fluming of ditches. HDD Option to avoid P66 and Childrens Avenue			2 + 223	2223.85	516914.36	415508.58													
24 1 25 1		_	++	+	Н	+	+	\vdash	DX006P DX007P		HDD Crossing Option after P66 Route to cross Childrens Avenue.	·				516943.06 516864.46	415723.44 415623.36		+		+	+	_			_		_	1 2	Potential option to consider combined
26 1	Gas pipelines x 2	2	1				1		PLX005F		New coordinates for slightly different crossing location SHEET 3			2 + 764	2764.25	516410.97	415312.03									1				
27 1	Buried powerline	•	1				1		ELX004F	n/a	New coordinates for slightly different crossing location SHEET 3			2 + 780	2780.91	516395.45	415305.97											1		
28 1	Condensate pipeli	ne	1		П	ПΠ	1		PLX006F	n/a	New coordinates for slightly different crossing location SHEET 3			2 + 764	2764.25	516410.97	415312.03									1	$ \top $			
29 1			1		Ш		1		PLX007F					3 + 220	3220.74	516299.20	414933.10									1				
30 1 31 1	Drain	-	1	+	\mathbb{H}	1	+	\mathbb{H}	DX008P	Flumed	Flumed crossing of field drain for access along RoW. Flumed crossing of field drain for access along RoW.			3 + 232	3232.88	516308.62 516374.34	414925.44 414871.91	\vdash	+			+	1	-	\vdash	-	+	+	$\parallel \parallel$	1
32 1			1		Ш		1		PLX008F					3 + 346		516396.69	414853.71									1				
33 1	Mill Lane	1		1					RDX007I	n/a	DCR066 submitted to amend to open cut crossing, no ditches noted on the minor road.			3 + 445	3445.30	516444.05	414768.30		1										$\ \ ^{-}$	
34 1			1		П		1	П	PLX009F		Shortes Hotel Of the Hillion IOdu.			3 + 619		516446.87	414596.52									1				
35 1	Waste water pipeli	ne	1	+	Н	++	1	H	PLX010F	n/a				3 + 837	3837.08	516439.58	414378.54		+		+ +	++	+		 	1	++	+	+ +	
36 1	Drain (Part of RDX008P)		1			1			DX009P	Flumed	Flumed crossing of road side ditches required for access unclear whether both sides need to be flumed but certainly -we side. This auger-bore includes buried powerlines, Drain, Telecoms and water	,		3 + 874	3874.85	516438.31	414340.78													
37 1	B1210 - Habroug Road	h 1		1					RDX008I	Flumed		36		3 + 882	3882.27	516438.06	414333.37	1											s	This auger-bore includes buried powerlines, Drain,
37a 1	Drain (part of RDX008P)		1			1			DX009AI	P Flumed	Flumed crossing of road side ditches required for access unclear whether both sides need to be flumed but certainly -ve side. This auger-bore includes buried powerlines, Drain, Telecoms and water			3 + 878	3878.01	516437.91	414328.90													Telecoms and water
38 1	O/H powerline	-		1	Н	++	1	+	ELX005F	P n/a				4 + 305	4305.58	516618.38	413963.03		+		+ +	+	-	+	+	+		+	1	
39 1	Water pipeline		1	\perp				П	PLX011F	n/a				4 + 337	4337.33	516611.36	413932.06													
40 1	RDX009P)		1	\perp	Ш	1	_		DX010P		Not intended as access/crossing point, hence no flumed			4 + 345	4345.60	516609.53	413924.00	1	1		\perp	\perp	\perp		\sqcup	\perp	\perp		$\sqcup \sqcup$	This auger-bore includes
41 1	carriageway Drain (part of	1		1					RDX0091		crossing required. This auger-bore includes water & drain	84		4 + 369	4368.97	516604.37	413901.21		_		\perp	\perp	\perp		\sqcup	\perp	\perp		Щ"	water & drain
42 1	RDX009P)		1	\perp	Ш	1	1	Ш	DX011P		Character of the table to the control of the contro			4 + 394	4394.70	516598.68	413876.11		_		\perp		_			_			$\sqcup \!\!\! \perp$	
43 1 44 1			1	\pm	Н	1	\pm	\vdash	DX012P DX013P		Flumed crossing of field drain for access along RoW. Flumed crossing of field drain for access along RoW.			4 + 735 5 + 112		516879.94 517144.99	413730.44 413487.35	\vdash	\pm				1	+	\vdash	\pm		\pm	+	
										•							•		-					'					- ''	

October 2023

Control State Control Stat	Item No Section	Purple Route Name of Crossing	Major Xing	Minor Xing O/H powerline	Road RDX	River RVX Capal CNX	Drain DX	Pipeline PLX Electrical Line ELX	Track TX Telecomme TI Y	Hornsea Cables HCX	Crossing number	Flumed or Bailey Bridge	Notes	Augur Bore Crossing Length (m) (Adjusted to suit 12m pipe lengths)	HDD Crossing Length (m) (adjusted to suit 12m pipe lengths)	Chainage (KP)	Chainage (metres)	OSGB36 Eastings	OSGB36 Northings	Road Xing Augur Bore	ided A	Road Crossing HDD	Watercourse HDD	Childrens Avenue HDD	Watercourse Auger-bore	Watercourse Open cut	Railway Xing Guided Auger Bore	Track xing Open Cut Pipeline	auger-bore Pipeline	Open Cut Hornsea Cables open-cut	Hornsea Cables and Railway Crossing HDD Telecoms	open cut Buried powerline open cut	O/H powerline	Remarks
A				1	1	П		T		D	X014P	Flumed	Flumed crossing of road side ditches will negate the need	26						1		-											\Box	This auger-bore includes
Common Common 1 1 1 1 1 1 1 1 1	47 2	Drain (part of RDX010P								D	X015P	Flumed	telecoms and water	30		5 + 370	5370.67	517291.52	413277.22															telecoms and water
Company Comp			1	1	+	++		1	+													_	_							1	_		1	
Contraction				+	++	+	+	+													-	+	+		_	+		_	+	1	-	+	+	
Martine Mart	51 2	Gas pipeline		1	П	П		1	П				This guided auger-bore includes a gas pipeline	48													1						\Box	This guided auger-bore
1			1	+	++	++	+	+	++												-	+	+		+	+		_	+		+	+	++	
Section Control Cont	54 2	Hornsea Cable No2			П	\pm			\Box	HC	CX002P	n/a	Coordinates stay the same			5 + 851	5851.48	517238.87	412820.08														\Box	change to combined
Fig. Com Company C			\Box	\perp	\Box	\prod	+		+				Potential option to change to combined HDD - refer to									\perp								+			1	240m HDD - refer to
Description Control				1	+	+	1	+	+												-	+	+		-	1			+	+	_	+	+	route maps
Bart	58 2	Drain		1	\Box		1				X017P	Flumed	Flumed crossing of field drain for access along RoW.													1								
College Coll		Gas pipeline	-	-	1	+	\vdash	1	+											\vdash	-	+	+		_	+		_	1		-	-1	+	
Fig. Deep Held Green 1 1 1 1 1 1 1 1 1		O/H powerline		1	$\pm \pm$	$\pm \uparrow$	$\pm \dagger$	1	$\pm \dagger$	EL	LX008P																			\perp			1	
Fig. 1				1	\Box	П			\Box																	1							\perp	
Fig. Fine Section Fine					+	+	-	1	+			n/a	Flumed crossing of field drain for access along RoW.								_	_	_			1			1		_		+	
Compare Note	65 2		1		1							Flumed	and access. This auger-bore includes telecoms, water,	36			7518.18	518009.86		1														
Fig. 2 Down (field drain)	66 2	O/H powerline		1	П			1	ш	EL	LX009P	n/a	powerimies			7 + 514	7514.02	518006.92	411502.52			\pm											1	powerinies
Bern Bert Development				1		1							Flumed crossing of River for access along RoW. Name changed from North Beck Drain to Drain (field drain) Changed from RVX001AP to DX021P													1								
30 1			1	1	++	++		+	++												_	+	-		_	+		_	_	_	_	_	++	
71 2 North Book Drain 1		O/H powerline		1	\vdash	++		1	+	EL	LX010P	n/a	Changed DX021P to DX022P		544			518247.30	410848.07			+	1										1	544m HDD
Track	71 2	North Beck Drain	1	\perp	\Box	Н	1	\perp	\Box	D	X023P	n/a				8 + 324	8324.12	518281.41	410766.89		_	\perp			\perp	-				\blacksquare		\perp	\Box	
This august before the common street 1 1 1 1 1 1 1 1 1				1	Ш		Ш	\perp	1				suggest allowance for track side ditches to be flumed for															1						
This augus-bore includes water Flurned crossing of field drain for access along RoW. 9-950 9990-55 55100-132 409904-55 55100-132 40990			1	1	1	++	1						Flumed crossing of field drain for access along RoW	36						1	_	_	_								_		++1:	2
77 2 Water pipeline 1	75 2	Drain			\Box	\pm			\Box			Flumed	Flumed crossing of field drain for access along RoW.			9 + 930	9930.45	519014.32	409355.80							1							$\pm \pm$	
Fig.			-	-	\vdash	++	1	+	++	-		Flumed	Flumed crossing of field drain for access along RoW.								_	+	+-			1		_	_		_	_	++	
This auger-bore includes water, powerline 1				-	+	+	11	1	+			II/a	ROUTE SHEET 9								+	+	+		_	-		\perp	+	+	-	-	+	
Red	18 2	Drain		1		\mathbf{H}	1			HDX	NU23DP	riumed				10 + 235	10235.43	519115.64	409069.11	-		+	+		+	+			+	+		+	+	
80 2 Old Fleet Drain 1 1 1 DX024P Flumed which will need to be flumed for access New COORDINATES FOR SPILLMAN/AURA POWER ROUTE SHEET 9 81 2 Water Pipeline 1 1 1 DX025P Flumed ROUTE SHEET 9 82 2 Drain 1 1 DX025P Flumed ROUTE SHEET 10 83 2 Drain (field drain) 1 1 DX026P Flumed ROUTE SHEET 10 84 2 Burlied powerline 1 1 DX026P Flumed ROUTE SHEET 10 85 2 Water Pipeline 1 1 DX026P Flumed ROUTE SHEET 10 86 2 Drain (part of RDX014P) 1 1 DX027P Flumed ROUTE SHEET 10 87 2 A18 - Barton Street 1 1 1 1 DX027P Flumed ROUTE SHEET 10 88 2 A18 - Barton Street 1 1 1 1 DX027P Flumed ROUTE SHEET 10 89 3 ROUTE SHEET 10 80 4 ROUTE SHEET 10 80 5 19536.657 408369.8177 80 11 + 287 11287.82 519468.3649 408156.3723 80 11 + 287 11287.82 519468.3649 408156.3723 80 11 + 287 11287.82 519468.3649 408156.3723 80 11 + 287 11287.82 519468.3649 408156.3723 80 11 + 287 11287.82 519468.3649 408737.1711 80 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	79 2	Wells Road	1		1					RE	DX013P		NEW COORDINATES FOR SPILLMAN/AURA POWER ROUTE SHEET 9	36		10 + 240	10240.85	519119.23	409064.72	1	_				_								Щ.	This auger-bore includes water, powerline
81 2 Water Pipeline	80 2	Old Fleet Drain		1			1			D	X024P	Flumed	which will need to be flumed for access NEW COORDINATES FOR SPILLMAN/AURA POWER			10 + 245	10245.47	519122.15	409061.14															
82 2 Drain 1	81 2	Water Pipeline		1	\Box	\Box	\Box	1	\Box	PL:	X015BP	n/a				10 + 517	10517.57	519280.508	408840.1399			\perp							1		=			
83 2 Drain (field drain) 1	82 2	Drain		1			1			D	X025P		NEW COORDINATES FOR SPILLMAN/AURA POWER ROUTE SHEET 10			11 + 058	11058.06	519536.0657	408369.8177							1								
84 2 blines powerine 1 1 ELUTIP Na ROUTE SHEET 10 85 2 Water Pipeline 1 1 PLX015CP n/a 86 2 Drain (part of RDX014P) 1 1 1 DX027P Flumed ditch for access NEW COORDINATES FOR SPILLMAN/AURA POWER ROUTE SHEET 10 87 2 A18 - Barton Street 1 1 1 1 RDX014P n/a RD	83 2	Drain (field drain)		1			1			D	X026P		NEW COORDINATES FOR SPILLMAN/AURA POWER ROUTE SHEET 10			11 + 287	11287.82	519468.3649	408156.3723							1								
86 2 Drain (part of RDX014P) 1 1 DX027P Flumed litch for access NEW CORDINATES FOR SPILLMAN/AURA POWER ROUTE SHEET 10 RDX014P n/a RDX014P				1	\prod	\prod	П	1												1													\prod	
This auger-bore includes telecoms, water, powerlines NEW COORDINATES FOR SPILLMAN/AURA POWER RDX014P n/a RDX014P n				1	П		1						NEW COORDINATES FOR SPILLMAN/AURA POWER	72							1													This auger-bore includes telecoms, water,
98 2 West Disclosure 4 1 1 1 1 1 1 1 1 1	87 2	A18 - Barton Street	1		1					RE	DX014P	n/a	This auger-bore includes telecoms, water, powerlines NEW COORDINATES FOR SPILLMAN/AURA POWER ROUTE SHEET 10 Penspen recommends change from Augur Bore to Guided Augur Bore			11 + 772	11772.64	519370.5467	407699.5991															
88 2 Water Pipeline x1 1 1 PLX015AP n/a NEW COUNDINATES FOR SPILLMAN/AURA POWER 12+234 12234.32 519393.5603 407256.7085 1 1 1 1 1 1 1 1 1 1	88 2	Water Pipeline x1		1	\prod	T	$ \top $	1	$ \top $	PL	X015AP	n/a				12 + 234	12234.32	519393.5603	407256.7085		T							T	1		T			

Item No System	Purple Route Name of Crossing	Major Xing	Minor Xing	Road RDX	Railway Line RLX River RVX	Canal CNX Drain DX	Pipeline PLX Electrical Line ELX	Track TX Telecomme TI Y	Homsea Cables HCX	Crossing number	Flumed or Bailey Bridge	Notes	Augur Bore Crossing Length (m) (Adjusted to suit 12m pipe lengths)	HDD Crossing Length (m) (adjusted to suit 12m pipe lengths)	Chainage (KP)	Chainage (metres)	OSGB36 Eastings	OSGB36 Northings	Road Xing Augur Bore	oad Xing Open	d Cros	Vvatercourse noo	P66 Route Childrens Avenue HDD	Watercourse Auger-bore Watercourse Open cut	Railway Xing Guided Auger Bore	Track xing Open Cut	auger-bore Pipeline	Open Cut Hornsea Cables open-cut	Hornsea Cables and Railway Crossing HDD	Buried powerline open cut	O/H powerline Linked Xings	Remarks
89 2	Washingdales Lane BV Stn 1	& 1		1					R	RDX015P	Flumed	Road is slightly built up with depression on +ve side to base of hedgerows at this location, therefore suggest flumed crossing are allowed for access until determined			12 + 449	12449.12	519438.2772	407067.621		1								T				This auger-bore includes telecoms, powerline
90 2	Water pipelines x2		1		\blacksquare		1	П		PLX016P DX028P	n/a	Firm day in the first to be a second of the					519527.7977 519672.5326										_1	_			-	
91 2 92 2	Drain (field drain)		1			1		†	1 1	DX029P	Flumed	Flumed crossing of field drain for access along RoW. Flumed crossing of field drain for access along RoW.			13 + 875	13875.69	519981.0618	405809.5314						1				\pm			\top	
93 2	Drain (field drain)	_	1	\blacksquare		1		П	D	X029AP	Flumed	Flumed crossing of field drain for access along RoW.			13 + 970	13970.17	520022.5472	405724.6597						1				—				
94 2	A46 Road	1		1					R	RDX016P	n/a	This auger-bore includes telecoms NEW COORDINATES - SIR RICHARD SUTTON RE- ROUTE SHEET 12 Potential option to change to combined HDD - refer to route maps	36		14 + 240	14240.72	520107.6911	405471.9658	1													
95 3	Old Main Road	1		1					R	RDX017P	n/a	This auger-bore includes water NEW COORDINATES - SIR RICHARD SUTTON RE- ROUTE SHEET 12 Potential option to change to combined HDD - refer to route maps NEW COORDINATES - SIR RICHARD SUTTON RE-	36		14 + 329	14329.14	520140.5501	405389.8741	1												2	Potential option to change to combined 240m HDD - refer to route maps
96 3	W.Water pipeline		1				1		P	PLX017P	n/a	ROUTE SHEET 12 Potential option to change to combined HDD - refer to route maps			14 + 386	14386.26	520161.7743	405336.8495														
97 3	Gas pipeline		1				1	T	P	LX018P	n/a	NEW COORDINATES - SIR RICHARD SUTTON RE- ROUTE SHEET 12			14 + 620	14620.9	520248.9701	405119.0078									1					
98 3	Road - no name	1		1						RDX018P	Flumed	Road is slightly built up with depression on -ve side to base of hedgerows at this location, therefore suggest flumed crossing are allowed for access until determined on site. NEW COORDINATES - SIR RICHARD SUTTON RE-	24				520396.6311															
99 3 100 3		+	1	1		1		+		LX012P DX030P	n/a Flumed	Flumed crossing of field drain for access along RoW.					520961.4858 521205.2597			_		_		1							1	
101 3	Drain (field drain)		1		\top	1			1	DX031P	Flumed	Flumed crossing of field drain for access along RoW.			16 + 112	16112.1	521452.9621	404605.4382						1							\pm	
102 3	` ′		1		-	1	_	н		DX032P		Flumed crossing of field drain for access along RoW. Penspen recommends change from Augur Bore to					521611.856					_		1			_			+	\perp	
103 3	A18 Barton Street	1		1					R	RDX019P	n/a	Guided Auger Bore EA request norto nume. Norto open cut eitner.	36		16 + 702	16702.72	521927.6101	404332.5845	1													
104 3	Welbeck Spring (dra	in) 1			1				R	VX001BP	Bailey Bridg	Changed to Augur Bore. Balley Bridge would be required here set back from the drain edges as there is no side access available	24		17 + 011	17011.68	522139.4186	404134.1172						1								Augur Bore water
105 3	Track		1					1		TX003P	Flumed	No access has been gained to this location to date, suggest allowance for track side ditches to be flumed for access.			17 + 457	17457.76	522274.6936	403709.0435								1		<u> </u>				
106 3 107 3	Drain (field drain) O/H powerline		1	1	\parallel	1	1			DX034P	Flumed n/a	Flumed crossing of field/hedgerow drain for access., although access point is located in close proximity to side accesses.			17 + 460 17 + 690		522275.5378 522259.6452							1			\perp	<u></u>			1	
108 3	Water pipelines x 2	2	1		\parallel		1		P	LX019P	n/a				18 + 275	18275.44	522558.4525	402989.7611									1					
109 3				1	+	\mathbb{H}	1	+		LX014P	n/a	Flumed crossing of major road side ditch crossing			18 + 533		522749.5374			_		+	\vdash	_	1	\vdash		+-'		+	1	
a 3	Drain (part of RDX02		1			1			11	X034AP	Flumed	required for access on RoW. This auger-bore includes telecoms and water	48		18 + 564 18 + 574			402806.6613 402797.803	1	_	\vdash	_	\vdash		1		\perp	<u> </u>		\perp	2	This auger-bore includes telecoms and water
110 3 111 3	Beelsby Road Buried powerline	1	1	1	H		1		-	LX015P	Flumed n/a	Crossing in slightly different location - new coordinates			18 + 574		522775.65 523029.1004	402797.803 402614.0997			+	+	\vdash		1		+	+	\vdash	1	+	
112 3	W.Water pipeline	+	1	+	+		1	+	++-	PLX020P	n/a	SHEET 14 Crossing in slightly different location - new coordinates			18 + 894			402612.2561		+	\vdash	+	\vdash	+	1	\vdash			\vdash		$+\!\!\!+$	+
113 3	Drain (in trees)	+	1	+	+	1	+	+	++-	DX035P	Flumed	SHEET 14 Flumed crossing of double ditch arrangement in trees for					523380.0303			+	\vdash	+	\vdash	1			+	1		+	+	
114 3	Drain (in trees)		1	+	+	1	+	+	++-	X035AP	Flumed	access. Flumed crossing of double ditch arrangement in trees for					523399.9353			-	\vdash	+	\vdash	1			+	+-	\vdash	+	+	+
	Waithe Beck (in tree	es) 1			1	1			Ħ	VX001CP		access. Needs to be Bailey Bridge at side access location Already identified as watercourse Augur Bore. Side access already included, location has side access points to navigate round.	36				524277.7907							1								Potential option to change to 384m HDD - refer to route maps
116 3	Waithe Beck (in tree	es)							R	VX001DP	Bailey Bridg	Bailey Bridge Crossing 173m from pipe crossing. Bridge set back from banks of river					524103.5103	402029.6955										<u> </u>				This groups have broken
117 3	Main Road	1		1						RDX021P	n/a	No road/field side ditches noted at this location. This auger-bore includes telecoms, waterx2, powerline	36				524992.279 525229.6277	401436.7278										<u></u>				This auger-bore includes telecoms, waterx2, powerline
118 3	l Drain		171			1			111	DAU3/P	riumed	Flumed crossing of field drain for access along RoW.	1	1	21 + 019	21019.01	323223.02//	HU1203.UU23							-							

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Item No Section	Purple Route Name of Crossing	Major Xing Minor Xing	O/H powerline	Railway Line RLX	Canal CNX Drain DX	Pipeline PLX	Electrical Line ELX Track TX	Telecomms TLX Hornsea Cables HCX	Crossing number	Flumed o Bailey Bridge	Notes	Augur Bore Crossing Length (m) (Adjusted to suit 12m pipe lengths)	HDD Crossing Length (m) (adjusted to suit 12m pipe lengths)	Chainage (KP)	Chainage (metres)	OSGB36 Eastings	OSGB36 Northings	Road Xing Augur Bore Road Crossing Guided Augur Bore	Road Xing Open Cut		Watercourse HDD	Childrens Avenue HDD P66 Route Childrens Avenue HDD	Watercourse Auger-bore Watercourse Open cut	Railway Xing Guided Auger Bore	Track xing Open Cut	Pipeline auger-bore Pipeline	Open Cut Hornsea Cables open-cut	Hornsea Cables and Railway Crossing HDI Telecoms open cut	Buried powerline open cut O/H powerline	sRuly Remarks
119 3		1		\blacksquare	1	I,I	\top	П	DX038P	Flumed	Flumed crossing of field drain for access along RoW.					525375.5146							1							
120 3 121 3	W.Water pipeline Drain	1		+	1	1	+		PLX021P DX038AP		Flumed crossing of field drain for access along RoW.					525385.4681 525634.0173	401263.2446		+		_		1			1			\vdash	
	rain (meandering stream	1		\Box	1		1	Н	DX039P	Flumed	Flumed crossing of field drain for access along RoW.	24				526122.8942							1							
123 3 124 3	O/H powerline Water Channel/Pond	1	1	+	1		1		ELX016P DX039AP		Flumed crossing of field drain for access along RoW.					526215.7761 526239.3131	400309.4439		+		_		1				+		1	
	roughfare Lane & BV S	1		1					RDX022P		Flumed crossing of major road side ditch crossing	36					400269.3346													
	Drain (field drain)	1	-		1			Н	DX040P		required for access on RoW. Flumed crossing of field drain for access along RoW.						400116.2623		+	+	+	_	1		+		+-		-	
127 3	Track	1					1		TX004P	Flumed	No access has been gained to this location to date,					526483.2384									1					
128 3	Drain (field drain)	1	-	\Box	1	Ħ		Ш	DX041P		Flumed crossing of field drain for access along RoW.					526470.5647							1							
129 3	O/H powerline		1	H	\Box	H	1	H	ELX017P	n/a	No access has been gained to this location to date,			24 + 461	24461.08	526125.8344	399332.1445		1	H	-T	\Box		\perp		1			1	
130 3	Track	1		Ш			1		TX005P	Flumed	suggest allowance for track side ditches to be flumed for access.					526051.6029									1					
131 3	Drain	1		+	1			н	DX042P		Flumed crossing of field drain for access along RoW. Road is slightly built up with drop off to tree line/hedgerow					525789.4232						-	1						-	This auger-bore includes
132 3	Grainsby Lane	1		1				Ш	RDX023P	Flumed	& undergrowth, suggest flume crossings included for	36		25 + 746			398308.7769	1												telecoms
133 3 134 3	Drain (field drain) O/H powerline	1	1	+	1		1	Н	DX043P ELX018P	Flumed n/a	Flumed crossing of field drain for access along RoW.	-				526331.5982 526682.8012			+-	+	_		1		+		+		1	
135 3	Drain (field drain)	1			1			Ш	DX044P	Flumed	Flumed crossing of field drain for access along RoW.			26 + 482	26482.5	526683.6856	397761.6105						1							
136 3	Drain (field drain) Telecoms cable	1			1	\vdash	_	1	DX045P TLX003P	Flumed n/a	Flumed crossing of field drain for access along RoW.					526687.9648 526897.861	397756.8583		+	\vdash	_	+	1		\vdash		+	1		
138 3	Private road	1		1				m	RDX024F		Flumed crossing of major road side ditch crossing	24					397567.2052	1												
139 3		1		-	1			-	DX045AP		required for access on RoW. Flumed crossing of field drain for access along RoW.					527091.4462						-	1						-	
140 3	O/H powerline		1				1	ш	ELX019P		Trained crossing or liola drain for access dionig from:			27 + 354	27354.55	527426.7841	397660.7019												1	
141 3	Telecoms cable nd Croft Drain(& RDX02	1 1		+	1	\vdash	+	1	TLX004P DX046P	n/a Flumed	Flumed crossing of road side/hedgerow ditches on both	48				527607.0144 527614.2969		1	+-		_	-	_	-			_			This auger-bore includes
	Bond Croft Lane								RDX025P		sides for access. This auger-bore includes telecoms	40		27 + 563	27563.39	527620.3792	397678.0034													telecoms
144 3	O/H powerline Black Leg Drain road	1	1				1		ELX020P RDX026P	n/a n/a		36				527955.9829 527968.6396		1			_			_					1	This auger-bore includes
146 3	Gas PL (with RDX026P)	1							PLX022P		This auger-bore includes telecoms & gas	30				527975.9023														telecoms & gas
147 3	Drain (field drain)			П	1			П	DX046AP	Flumed	Ditch crossing not listed, however will need a flumed crossing of field drain for access if exist.			28 + 035	28035.68	528030.1044	397516.8787						1							
148 3	Drain (with RDX027P)	1	++		1	+	+	H	DX047P	Flumed	Flumed crossing of road side ditch on both -ve side for	36		28 + 554	28554.41	528470.0677	397258.3396	1	+		+	+			+		+		\vdash	2 This auger-bore includes
149 3	Road - no name	1		1			1		RDX027P	Flumed	crossing point and access. This auger-bore includes	36				528476.5727													1	telecoms
150 3 151 3	O/H powerline O/H powerline		1	+	+	+	1	Н	ELX021P ELX022P	n/a n/a						528644.6387	397180.0065 397174.072		+		+		_	+			+		1	
152 3	Drain (field drain)	1	\sqcup	$\perp \downarrow$	1	\sqcup	4	Ш	DX048P	Flumed	Flumed crossing of hedgerow field drain for access.			28 + 778	28778.61	528674.6341	397166.601		_	\sqcup	\perp	\perp	1					$\sqcup \sqcup$		
153 3 154 3	Track Drain (field drain)	1	++	+	1	+	1	Н	TX006P DX049P	Flumed	Flumed crossing of track drain for access. Flumed crossing of hedgerow field drain for access.	 		29 + 133	29133.05	528998.2229	397021.9827 397020.8898		+	+	+	+	1	_	1				\vdash	
155 3	KIPs Pipeline	1		\Box		1	1	П	PLX023P	n/a	y			29 + 368	29368.66	529196.3416	396910.152			\Box	\perp	\Box			\Box	1				
156 3	Buried powerline W.Water pipeline	1	-	+	+	1	1		ELX023P PLX023AF								396909.4667 396828.6702		_	\vdash	+	+	_	+	+	_	+	\vdash	1	
158 3	Drain (field drain)	1			1				DX049AP		Flumed crossing of field drain for access along RoW.					529254.7351				\Box	\perp	\Box	\perp		\Box					This auger-bore includes
159 3	A16 Road	1		1					RDX028F	Flumed	This auger-bore includes telecoms & water Penspen recommends change from Augur Bore to Guided Augur Bore	48		29 + 491	29491.29	529255.0756	396828.7711	1												telecoms & water
160 4 161 4	Drain Drain	1		П	1		T	П	DX050P DX051P		Flumed crossing of field drain for access along RoW.					529262.1208 529509.1208	396830.7555				\top	\blacksquare	1		H					
161 4	Road - no name	1		1					RDX029P		HEliumed crossing of track drain for access			29 + 986	29986.85	529659.8756	396579.2985		1		\pm	\pm	-	+	+	-	\pm			2
163 4		1	-	\Box	1		T	П	DX052P DX053P	Flumed	Flumed crossing of field drain for access along RoW.					529809.962 529915.5622	396466.0441						1							
164 4		1		+	1		+	H	DX053P DX054P	Flumed	Flumed crossing of field drain for access along RoW. Flumed crossing of field drain for access along RoW.					529915.5622 530146.4662		+	+	+	+	+	1		+	-	+		\vdash	
166 4	O/H powerline	١.	1	\prod		Ш	1	П	ELX024P	n/a							396081.054												1	This arrest translated
167 4 168 4	Drain Station Road	1		1	1			Н	DX055P RDX030P		Flumed crossing of road side/hedgerow ditches on both sides for crossing point and access. This auger-bore	36				530493.3186 530499.0449		1	+	++	+	+	+	+	+	+	+	\vdash	\vdash	This auger-bore includes telecoms, water &
169 4		1			1	П		П	DX056P		Flumed crossing of field drain for access along RoW.						395535.0234		\perp		_		1							
170 4	Footpath	1					1		TX007P	Flumed	No access has been gained to this location to date, suggest allowance for track side ditches to be flumed for access.			31 + 843	31843.66	531049.337	395372.3715								1					
171 4	Buried powerline	1		П		П	1	П	ELX025P	n/a	Historic Railway Line located here. Maintain as open cut			31 + 854	31854.63	531059.2131	395367.5887												1	
172 4	Drain	1			1	H	\pm	Ш	DX057P		but future proof with concrete slabs for protection Flumed crossing of field drain for access along RoW.					531327.7906			\pm		\pm		_ 1							
173 4	Pear Tree Lane Drain	1 1		1		H		П	RDX031P DX058P	Flumed	Flumed crossing of road side/hedgerow ditches on both	24				531475.9811 531476.8628		1	\perp	$+$ \top	\perp	+		\perp	H					2 This auger-bore includes telecoms & water
174 4 175 4	Drain (field drain)	1			1		+	Н			sides for crossing point and access. This auger-bore Flumed crossing of field drain for access along RoW.						395066.1215		+	+	+	+	1	_	+	+	+		\vdash	telecoms & water
	Drain (field drain)	1	_	\rightarrow	1				DVACAD	Elumod	Flumed crossing of field drain for access along RoW.						394511.1598						1	_		-				

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Item No Section	Purple Route Name of Crossing	Major Xing Minor Xino	O/H powerline	Road RDX Railway Line RLX	River RVX Canal CNX	Drain DX Pipeline PLX	Electrical Line ELX	Track TX Telecomms TLX	Hornsea Cables HCX Crossing number	f	Flumed or Bailey Bridge	Notes	Augur Bore Crossing Length (m) (Adjusted to suit 12m pipe lengths)	HDD Crossing Length (m) (adjusted to suit 12m pipe lengths)	Chainage (KP)	Chainage (metres)	OSGB36 Eastings	OSGB36 Northings	ad Xing Augur	Road Crossing Guided Augur Bore	Road Crossing HDD	Watercourse HDD	Childrens Avenue HDD P66 Route Childrens Avenue HDD	Watercourse Auger-bore	Watercourse Open cut	Railway Xing Guided Auger Bore	Track xing Open Cut Pipeline	auger-bore Pipeline	Hornsea Cables open-cut	Hornsea Cables and Railway Crossing HDE Telecoms	Buried powerline open cut OH powerline	s Buy Remark	ks
	Drain (field drain)								DX060)AP	Flumed	Flumed crossing of field drain for access along RoW.			33 + 391		532130.3064								1								
178 4 179 4	O/H powerline Stream	1	1	+		1	1	+	DX06		n/a Elumod	Flumed crossing of field drain for access along RoW.					532246.7985 532297.1845			_	_	_	\vdash	_	1			+		_	1		
180 4	Poulton Drain	1			1				RVX00	1EP3	ailey Bridg	Needs to be Bailey Bridge here set back from the banks as EA requirement for no flumed crossing. No side access possible in this location. Already identified as Augur Bore Change from Minor crossing to major crossing	24		34 + 389	34389.69	532649.0991	393510.8705						1								Augur Bore	
181 4	Drain	1					\perp				Flumed	No actual drainage channel beside road side noted.	24				532727.9204		1 _		_							+			\perp	2 This auger-bore	
182 4	Ings Lane	1					Н					However road is slightly raised. Flumed crossing of road Ditch crossing not listed, however will need a flumed					532728.7117			+	+	+	\vdash	+		-	+	+	+	+	+	water	
183 4	unlisted drain	1				1			DX063		riumeu	crossing of field drain for access if exist.			35 + 264		533069.9652								1								
184 4	Westfield Road	1		1		1	H	+	RDX06		Flumed	Flumed crossing of major road side ditch on -ve side required for plant crossing and access on Row. This	24		35 + 667 35 + 670		533370.8966 533373.2592			\perp	\perp	\perp		1	\Box	$ \mp$	$ \vdash$	\bot	+	\perp		This auger-bore powerlii	
185 4	Drain	1	+	+	+	1	+	+	DX06	4P		EA requirement for no flumed crossing.			35 + 670	35670.6	533373.2592	392526.8035		+	_	+	\vdash				_	+	+	_	+	poweriii	пе
186 4	Yarburgh Beck	1			1			Ш	RVX00		n/a	Side Access is already available, so no Bailey Bridge required	36		36 + 382		533757.0099							1								Augur Bore	Water
	Brackenborough Road Drain (field drain)	1 1					-		RDX00			No ditches noted at this location Flumed crossing of field drain for access along RoW.	24				534083.2138 534230.5109			+		+		+	1			+	+		+ +		
189 4	O/H powerline		1		П		1	\top	ELX02	-		Protect Waste water pipe in running track					534574.8937														1	Protect Wast	
190 4		1	_				ш		DX06		Flumed	Flumed crossing of field drain for access along RoW.			38 + 158	38158.8	534849.1221	390562.2417							1			1					
191 4	Drain (field drain) Louth Road/BV Stn3	1		1		1			DX06			Flumed crossing of field drain for access along RoW. No actual drainage channel beside road side noted. However road is slightly raised. Flumed crossing of road	24				535208.7357 535827.658							\vdash	1		+						
193 4	Louth Canal	1					Н		CNX0		n/a	side on both sides for crossing point and access HDD crossing of Louth Canal and River Ludd. 540m		540			536089.8159					_ 1						\pm				2 540m H	(DD
194 4	River Ludd O/H powerline	1	1	-	1	_	1	+	RVX0		n/a n/a	HDD					536188.865 536301.6674			_	_			+-		_	_	+	+	_	1	0101111	
195 4 196 4	Water pipeline	1				1	Ħ		PLX02	24P	n/a	Slight re-route to avoid pipe			40 + 110	40110.91	536540.4143	389976.7921							1							Slight re-route	
197 4 198 4	Private road Drain (part of RDX036)	1 1		1		1			DX06		Flumed	Flumed crossing of road side ditch on +ve side for crossing point and access	48				536639.595 536649.2017		1 -									+				pipe Needs a slight 45m west to	t re-route avoid a
199			Ш		Ш		Ш	Ш				Was DX070P, but appears this was added in error. Removed now																					
200 4	O/H powerline Louth Road	1		1	_		1		ELX02	9P	n/a Elumod	Flumed crossing of road side ditch on +ve side for					537278.3373 537525.9497			_	_	+	\vdash	+	\vdash	_	_	+	+	_	1	2 This auger-bore	ro includor
201 4	Drain (part of RDX037)	1	_				-					crossing point and accessThis auger-bore includes	24				537528.6394			-								+				telecoms, w	
203 4	Drain (part of RDX038)	1				1			DX07	2P	Flumed	Flumed crossing of road side ditch on -ve side for	24				537601.4342											工				2 This auger-bore	e includes
204 4 205 4		1 1		1			1		RDX03		Flumed n/a	crossing point and accessThis auger-bore includes					537609.0507 537723.307			_	_	_	\vdash	_				+		_	1	telecoms, w	/ater &
206 4	Drain	1		+		1	╁		DX07			Flumed crossing of field drain for access along RoW.			42 + 115	42114.98	538287.0415	389985.4291		-				+	1		_	+					
207 4	Water pipeline	1			\Box	1		\Box	PLX02	25P	n/a				42 + 496	42496.77	538598.822	390205.7923										1					
208 4		-	1	+	++	-	1	+	ELX03		n/a						538914.913			_	-	+		+	\vdash			+	+		1		
a 4	Orain (part of RDX039P)) 1	\perp			1	\Box	Ш	DX074		Flumed	Flumed crossing of road side ditches for crossing and access, location has side accesses A27, 28 & 29.	36		43 + 052		539067.1785		' _		\perp			\perp					\perp			2	
209 4	Red Leans Lane Harrowsea Drain	1 4		1		1	H	+	RDX03		Flumed Flumed	Flumed crossing of drain for crossing and access,					539059.8669 539160.0039	390531.6539 390561.7478		+	+	+		+	1	\dashv	+	+	+	+			
210 4	i laii Uwada Dialii					1	\sqcup	\perp	DAU	7		location has side accesses A27, 28 & 29.			→o + 191	42131./8	222100.0039	350301./4/8		\perp		\perp		_				+	\sqcup		\perp		
211 4	Marsh Lane	1		1					RDX0-		Flumed	Not clear if drainage ditches are located under hedgerows, potential flumed crossing required for plant crossing and access on RoW. This auger-bore includes telecoms & powerline	36				539466.2009															This auger-bore telecoms & pr	
212 4	Drain (field drain)	1		Ŧ		1	П	\blacksquare	DX07	5P	Flumed	Flumed crossing of field drain for access along RoW.			43 + 981	43981.73	539653.6647	389945.0477		\top					1	=	-	工		-			
213 4	Greyfleet Drain	1			1				RVX00	ЗАРВ	ailey Bridg	EA requirement for no flumed crossing. Is decided a face of the f	48		44 + 219	44219.51	539802.2561	389759.4216						1								Potential op change to 384 refer to route	4m HDD -
044	Drain	1	\perp				\sqcup	\dashv	DVAT	70	Flumed				44 - 510	44E10.05	539990.2412	200526 2727		+	+	\perp					_	+	+		\perp		
214 4 215 4	Drain Pick Hill Lane	1		1		+			RDX07		Flumed	Flumed crossing of major road side ditchs required for	36		44 + 528	44528.31	539990.2412	389519.6787	1	+	+		\vdash	+	\vdash		+	+	+	-	+	This auger-bore	
215 a 4	Orain (part of RDX041P)) 1				1			DX077	\neg	Flumed	plant crossing and access on RoW. This auger-bore includes telecoms, water & powerline	36				540001.0741		' -													3 telecoms, w powerlii	
215 4	Drain	1				1	$ \top$	П	DX078	BAP	Flumed	Flumed crossing of field drain for access along RoW.			45 + 061	45061.08	540370.5791	389140.1401	ΙΤ	Т					1		T				ΙТ		
216 4	Drain (field drain)	1	+	+	++	1	+	+	DX07			Flumed crossing of field drain for access along RoW.			45 + 072		540378.3202			+	+	+	\vdash	+	1	\rightarrow	+	+	+	+	+		
	Drain (field drain)	1	_	_		1		\neg	DV07	OD	Channel	Flumed crossing of field drain for access along RoW.					540708.4509			_		_		_		-	-	-	_	-	-	11 1	

ltem प्रि		urple Route ne of Crossing	Major Xing	Minor Xing O/H powerline	Road RDX	River RVX	Drain DX	Pipeline PLX Electrical Line ELX	Track TX	Telecomms TLX Hornsea Cables HCX	Cros sing number	Flumed or Bailey Bridge	Notes	Augur Bore Crossing Length (m) (Adjusted to suit 12m pipe lengths)	HDD Crossing Length (m) (adjusted to suit 12m pipe lengths)	Chainage (KP)	Chainage (metres)	OSGB36 Eastings	OSGB36 Northings	Road Xing Augur Bore	Road Crossing Guided Augur Bore	Road Xing Open Cut Road Crossing HDD	Watercourse HDD	Childrens Avenue HDD P66 Route Childrens Avenue HDD	Watercourse Auger-bore	Watercourse Open cut	Railway Xing Guided Auger Bore	Track xing Open Cut	auger-bore Pipeline	Open Cut Hornsea Cables open-cut	Hornsea Cables and Railway Crossing HDD Telecoms	open cut Buried powerline open cut	O/H powerline	Remarks
218 4		Track		1					1		TX008P	Flumed	No access has been gained to this location to date, suggest allowance for track side ditches to be flumed for access along RoW.					540932.8416										1						
219 4 220 4	0/	/H powerline Drain		1	Н	\mathbb{H}	1	1	\Box		ELX032P DX080P	n/a Flumed	Flumed crossings on either side of road for access. Side			45 + 672 46 + 241		540935.8409 541329.2095			_	_											1	
221 4	B1:	200 - Manby	1	1	1	+	T'		Н		RDX042P	Flumed	Accesses A32/A33 could be used instead.	36		46 + 249		541334.8195			_				1								Н,	Potential option to
222 5	Midd	dlegate (road) in (field drain)	<u> </u>	1	Ľ	-	1		Н	ш	DX081P		Potential option to change to combined HDD - refer to route maps	30		46 + 260		541341.4869			+	_	+		٠.	H		_	_	-		-	Ш`	change to combined
					T	††	+++	+	\forall	\forall			Flumed crossing of field drain for access along RoW.								\top		+						+	+			+	- 240m HDD - refer to route maps
223 5	_	in (field drain)		1	Ш	\coprod	1	4	Ш	Щ	DX082P		Potential option to change to combined HDD - refer to route maps			46 + 423		541443.3282		\vdash						1			_	_				Touto mapo
224 5		andering Drain	1				1			Ш	DX083P	Flumed	Flumed crossing of meandering drainage channel for access along RoW	24		46 + 708		541520.4124							1									
225 5 226 5	Drain	in (field drain) beside TX007	+	1	+	+	1	+	+	H	DX083AP DX084P	Flumed	Flumed crossing of field drain for access along RoW. No access has been gained to this location to date,			46 + 946 47 + 098		541693.1102 541810.6163			+	-	+		\vdash	1	-		+	+-		+	\Box	Route needs to be
227 5	Gree	n Lane (Track)		1	\Box	Ħ		\pm	1	\pm	TX009P	Flumed	suggest allowance for track side ditches to be flumed for			47 + 104	47104.21	541814.6917	387861.7575									1						straightened out here
228 5 229 5		beside TX007 in (field drain)		1			1				DX085P DX086P		access along RoW. Route needs to be straightened out Flumed crossing of field drain for access along RoW.					541818.431 541996.9877		- 1						1								(2nos lps not needed
230 5		in (field drain)		1	\vdash	$^{+}$	1	+	\forall	+	DX087P		Flumed crossing of field drain for access along RoW.					542092.2229			+		+		+	1				+				
231 5	Willo	ow Row Bank	1		1						TX010P	Flumed	No access has been gained to this location to date, suggest allowance for track side ditches to be flumed for access along RoW. Potential option to change to combined HDD - refer to route maps.			47 + 635	47635.72	542204.22	387527.3029						1									
232 5	Hea	ad Dike Drain		1	П	П	1				DX088P	Flumed	Completed as part of TX010 Potential option to change to combined HDD - refer to route maps			47 + 643	47643.47	542206.8573	387520.016														П	Potential option to change to combined 384m HDD - refer to
233 5		Long Eau	1			1					RVX002P	n/a	Significant meandering internal drainage board, access via RDX042 and RDX043 would negate need to flume this waterway. Potential option to change to combined HDD - refer to route maps	48		47 + 861	47861.09	542372.7817	387392.9584						1									route maps
	Thack	ker Bank (road)	1		1		-				RDX043P		Flumed crossings on either side of road for access onto	36				542522.9998		1	_												1 2	This auger-bore includes
235 5		Drain		1	+	+	1	+	+	+	DX089P	Flumed	RoW. This auger-bore includes telecoms & powerline Change from River RVX003P to Drain DX089AP			48 + 209	48209.39	542527.3643	38/094.9646		+		+		1				_					telecoms & powerline
236 5	Th	ne Cut Drain	1				1				DX089AP	Flumed	Flumed crossing of DX089A to allow access onto RoW and move around			48 + 658	48658.38	542931.3886	386921.2722							1								
237 5	Drai	in (field Drain)		1			1				DX090P	Flumed	Flumed crossing of DX090 to allow access onto RoW and move around			48 + 695	48695.76	542955.0868	386892.3722							1								
238 5	Drai	in (field Drain)		1	П	Щ	1	\perp		Ш	DX090AP	Flumed	Flumed crossing of DX090 to allow access onto RoW and move around			49 + 346	49346.74	543367.8615	386388.9933							1								
239 5	Two M	Mile Bank Drain	1				1				DX090BP	Flumed	Change from River RVX004P to Drain DX090BP Flumed crossing of DX090BP remove requirement to use Gayton Le Marsh as a traffic route to RVX007.			49 + 387		543393.7718								1								
240 5 241 5	1	Drain Drain	+	1	+	+	1	+	+	\mathbb{H}	DX091P DX092P	Flumed	Flumed crossing of field drain for access along RoW. Flumed crossing of field drain for access along RoW.			49 + 724 50 + 072	49724.85 50072.39	543623.1006 543914.0998	386197.1953 386387.2077	\vdash	+	+	+		+	1		+	+	+	\vdash	+	+	
	Gayton	North Fen Drai	in 1	\top	\sqcap	\top	1	\top	\sqcap	П	DX093P	Flumed	Flumed crossing of field drain for access along RoW.			50 + 477		544201.3474			\top				Т	1							\sqcap	
243 5		nlisted drain	+	1	+	+	1	+	+	H	DX093AP	Flumed	Flumed crossing of field drain for access along RoW.			50 + 651		544336.047			+	+	+		-	1		+	+	+	\vdash	+	+	
244 5		Drain		1		П	1				DX094P	Flumed	Flumed crossing of field drain for access along RoW New Coordinates due to movement of HDD - SHEET 33			50 + 867		544507.9077								1								
245 5		Drain		1		I	1	1			DX095P	Flumed	Flumed crossing of field drain for access along RoW. New Coordinates due to movement of HDD - Sheet 33			51 + 115	51115.32	544705.9186	386632.2992							1								
246 5	New	Gayton Engine Drain	1				1				DX095AP	Flumed	Does not appear to be a river, rather another field drain. Flumed crossing of field drain for access along RoW. New Coordinates due to movement of HDD - SHEET 33 Change from River RVX005P to Drain DX095AP			51 + 281	51281.85	544838.8234	386732.6448							1								
247 5		Drain		1			1				DX096P	Flumed	Flumed crossing of field drain for access along RoW. New Coordinates due to movement of HDD - SHEET 34			51 + 660	51660.35	545140.8873	386960.7086							1								
248 5		Drain		1			1				DX097P	Flumed	Flumed crossing of field drain for access along RoW. New Coordinates due to movement of HDD - SHEET 34 Linange from River RVXUU0P to Drain DXU97AP			51 + 731	51731.69	545197.8241	387003.6969							1								
249 5	Old	Engine Drain	1				1				DX097AP	n/a	312m HDD HDD has been moved slightly to avoid DOL going		384	52 + 320	52320.71	545731.8498	387250.241				1											384m HDD

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Item No	Section	Purple Route Name of Crossing	Major Xing	Minor Xing	Road RDX	Railway Line RLX River RVX	Canal CNX Drain DX	Pipeline PLX	Electrical Line ELX Track TX	Telecomms TLX Homsea Cables HCX	Crossing number		ilumed or Bailey Bridge	Notes	Augur Bore Crossing Length (m) (Adjusted to suit 12m pipe lengths)	HDD Crossing Length (m) (adjusted to suit 12m pipe lengths)	Chainage (KP)	Chainage (metres)	OSGB36 Eastings	OSGB36 Northings	N Xing	Road Crossing Guided Augur Bore Road Xing Open Cut	Road Crossing HDD	Watercourse HDD	Childrens Avenue HDD P66 Route Childrens Avenue HDD	Watercourse Auger-bore	Watercourse Open cut	Railway Xing Guided Auger Bore	Track xing Open Cut	Pipeine auger-bore Pipeine	Open Cut Hornsea Cables	open-cut Hornsea Cables and Railway Crossing HDD	Telecoms open cut	Buried powerline open cut O/H powerline	sguy Remarks
250 251	_	Great Eau Drain	1	1	+	1	1	Н			RVX007 DX098F		n/a n/a	through a private residence, so there are new coordinates for DX097AP, RVX007P and DX098P SHEET 34					545781.0132 545814.5073			-	+	-					7	干	-	+	\blacksquare		
252		O/H powerline					ĦŤ		1		ELX033	+	n/a	The crossing of ELX033P is in a different location - New Coordinates due to movement of HDD - SHEET 34			52 + 651			387384.8339									\top	\dagger				1	
253	5	Drain		1			1				DX099F	Р	Flumed	Flumed crossings required on both sides of crossing for	24		52 + 822	52822.52	546190.1786	387454.5597									\pm	\pm					This auger-bore includes
254		Grove Road	1		1					Ш	RDX044	IP	Flumed	access along RoW. This auger-bore includes a drain & telecoms Flumed crossing of field drain for access along RoW.	24		52 + 826	52826.33	546193.663	387456.113	1								_	\perp		\perp			a drain & telecoms
255	5	Drain	\perp	1	\perp	\perp	1		-	Н	DX100F	P	Flumed	New Coordinates due to movement of HDD - SHFFT 34. Linked to PLX004 -same dig			52 + 875	52875	546238.1118	387475.9279			-		_		1		\dashv	_		_	+		
256	5	Buried powerline		1					1		ELX034	.P	n/a	New Coordinates due to movement of HDD - SHEET 34 & 35			52 + 914	52914.13	546273.5422	387492.5189									\perp					1	Linked to PLX004 -same dig
257	5	KIPs pipeline		1				1			PLX026	iP	n/a	Linked to PLX004 -same dig New Coordinates due to movement of HDD - SHEET 34 & 35			52 + 902	52902.87	546263.4542	387487.5269											1				Linked to PLX004 -same dig
258	5	Drain (field drain)		1			1				DX1018	Р	Flumed	Flumed crossing of field drain for access along RoW. New Coordinates due to movement of HDD - SHEET 34 & 35			53 + 008	53008.33	546357.9734	387534.2991							1								
259	5	Drain (field drain)		1			1				DX102F	Р	Flumed	Flumed crossing of field drain for access along RoW. New Coordinates due to movement of HDD - SHEET 35			53 + 142	53142.84	546478.5274	387593.9544							1								
260	5	Drain (field drain)		1			1			T	DX103F	Р	Flumed	Flumed crossing of field drain for access along RoW. New Coordinates due to movement of HDD - SHEET 35			53 + 222	53222.63	546550.0378	387629.3407							1		T	T					
261	5	Drain (field drain)		1			1			П	DX104F	Р	Flumed	Flumed crossing of field drain for access along RoW. New Coordinates due to movement of HDD - SHEET 35			53 + 304	53304.81	546623.6996	387665.7918							1		T	T					
262	5	Drain (field drain)		1			1			T	DX105F	Р	Flumed	Flumed crossing of field drain for access along RoW. New Coordinates due to movement of HDD - SHEET 35			53 + 435	53435.88	546741.1738	387723.923							1		T	T					
263	5	Drain (field drain)		1			1				DX105A	ιP	Flumed	Flumed crossing of field drain for access along RoW.			53 + 501	53501.52	546799.9995	387753.0325							1			\top					
264 265		Drain Mill Road	1	1	1		1		1	н	DX106F RDX045		Flumed	Flumed crossing of RTDX 045 removes requirement to use Mill Rd for HGV with access gained from RDX046.	36		53 + 654	53654.81	546937.3931 546946.356	387821.0207									#	#		+	\perp		This auger-bore includes
266	5	Drain	Т	1		П	1	П		т	DX107F	Р	Chimagal	This auger-bore includes telecoms, water & powerline New Coordinates due to movement of HDD - SHEET 35.	36		53 + 674	53674.85	546955.3472	387829.9052									\exists	\top					3 telecoms, water & powerline
267 268		Drain (field drain) Condensate pipeline	Н	1	+	\blacksquare	1	1	+	H	DX108F		Flumed n/a	Flumed crossing of field drain for access along RoW.					547124.0413 547310.042			_	-			-	1		=	_	1	+	-		
269	5	O/H powerline						Н	1	Ħ	ELX035	P	n/a				54 + 055	54055.83	547315.9952	387823.8313									#	#				1	
270 271		Drain Drain		1	+	\rightarrow	1	-	+	+	DX109F DX110F		Flumed	Flumed crossing of field drain for access along RoW. Flumed crossing of field drain for access along RoW.					547471.2022 547599.4223			_	+	\vdash		+	1	-	+	+	+	+			
		ain (part of RDX046	i)	1			1				DX111F	Р	Flumed				54 + 527	54527.26	547759.1865	387753.9504															
273	5 A	1031- Maplethorpe Road	1		1						RDX046	SP	Flumed	Flumed crossing of RDX045 removes requirement for side accesses and move rounds for access onto RoW. This auger-bore includes telecoms & water	48		54 + 542	54542.4	547774.2814	387752.864	1								\perp	4					This auger-bore includes a drain & telecoms
273 a	5	Drain (part of RDX046P)		1			1				DX111B	BP	Flumed				54 + 550	54550	547782.0872	387752.2616															
274	5	The Cut (drain)	1			1					DX111A	ιP	Flumed	Flumed crossing of RVX008 removes requirement for side accesses and move rounds for access onto RoW Penspen recommends change from Open Cut to Augur	84		55 + 034	55034.34	548224.0393	387572.8936						1									This auger-bore includes
275		Drain (field drain)		1			1		1	Ħ	DX112F	P	Flumed	Flumed crossing of field drain for access along RoW.					548258.5355										#	#		1	\Box		3 drains & telecoms
276 277		Drain (field drain) Drain (field drain)		1	+	+	1	Н	+	+	DX113F	P	Flumed	Flumed crossing of field drain for access along RoW. Flumed crossing of field drain for access along RoW.					548284.2148 548473.8989			_	+	\vdash			1	-	+	+	+	+			
278		The Cut (drain)	1			1							Flumed	Flumed crossing of RVX008 removes requirement for side accesses and move rounds for access onto RoW TGT Plan B Option has the purple route crossing in different location - new coordinates required for this SHEET 36 Penspen recommends change from Open Cut to Augur Bore Ta' denotes TGT Plan B option Change from RVX008P to DX111APa	84		n/a	n/a	548223.8987							1									This auger-bore includes 3 drains & telecoms
279	5	Drain (field drain)		1		Н	1	\sqcap	\top	$\dagger \dagger$	DX112P	a	Flumed	Flumed crossing of field drain for access along RoW.			n/a	n/a	548258.6373	387581.6962		\top		\Box					\neg	+	+	\top	+		
280	_	Drain (field drain)	\forall	1	+	\forall	1	\vdash	+	+	DX113P	_	Flumed	TGT Plan B Option has the purple route crossing in different location - new coordinates for this SHEET 36			n/a	n/a	548283.2513		\vdash	+	+	\Box	-		\vdash		+	+	+	+	+	+	
281		Drain (field drain)		1			1			\parallel	DX114P	\pm		Flumed crossing of field drain for access along RoW. TGT Plan B Option has the purple route crossing in different location - new coordinates for this SHEET 36			n/a	n/a		387520.0321							1		T	_					
	5	CDAND TOTAL	70	104 ^		2 4		27	25 6		GRF	\top						55417.58 55417.58	548578.08	387500.93		4			1 0	- 10	00	2		_	10			7 0:	44
		GRAND TOTAL Quantities	25	184 2	3 46	Z #	2	75 75	აა 8	1412		_						metres			35	4 5	0	3	1 0	12	92	2	8		19 2	2 0	3	7 24	## 218
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October 2023

Item No	Purple Route Name of Crossing	Major Xing Minor Xing O/H powerline	Radia RDX Rainwal Hor RLX Rainwal RXX Grad CVX Grad CVX Drain DX Pipeline PLX Electrical Line ELX Track TX Trecomms TLX Homsea Cables HCX	Flumed or Bailey Bridge	Notes	Augur Bore Crossing Length (m) (Adjusted to suit 12m pipe lengths)	HDD Crossing Length (m) (adjusted to suit 12m pipe lengths)	Chainage (KP)	Chainage (metres)	OSGB36 Eastings	OSGB36 Northings	Road Xing Augur Bore	Road Crossing Guided Augur Bore Road Xing Open Cut	Road Crossing HDD Watercourse HDD	Childrens Avenue HDD P66 Route Childrens Avenue HDD	Watercourse Auger-bore Watercourse Open cut	Railway Xing Guided Auger Bore	Track xing Open Cut	Pipeline auger-bore Pipeline	Open Cut Hornsea Cables open-cut Hornsea Cables and Railway Crossing HD	Telecoms open cut	Buried powerline open cut O/H powerline	Linked Xings	Remarks
	Total Quantity	277	275										Trenchle	ess		58	open	n-cut	136	Tota	al buried cr	ossings		194



