



NORTH FALLS

Offshore Wind Farm

PRELIMINARY ENVIRONMENTAL INFORMATION REPORT

Appendix 5.1 Crossing Schedule

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Obstacle Type	Obstacle ID	Easting	Northing	Obstacle Details	Crossing Techniques	Comments
Other Obstacle Crossing	OOX-01	622187.7	217509.6	Sea Defence (sloping masonry, wall)	Trenchless techniques only	Assumed crossing within landfill HDD
Footpath, bridleway or other track crossing	PAT-01	622162.8	217528.7	Public footpath along the sea defence	Trenchless techniques only	Assumed crossing within landfill HDD
Watercourse Crossing	WX-01	622087.0	217588.6	Environment Agency Main River	Trenchless techniques only	Assumed crossing within landfill HDD
Other Obstacle Crossing	OOX-02	621953.6	217696.3	Holland Haven Marshes SSSI	Trenchless techniques only	Assumed crossing within landfill HDD. Contains a number of surface drains, ditches and ponds.
Footpath, bridleway or other track crossing	PAT-02	621772.8	217849.1	Track / path	Trenchless techniques only	Assumed crossing within landfill HDD
Other Obstacle Crossing	OOX-03	622768.1	218040.1	Sea Defence (sloping masonry, wall)	Trenchless techniques only	Assumed crossing within landfill HDD
Footpath, bridleway or other track crossing	PAT-03	622764.9	218043.3	Public footpath along the sea defence	Trenchless techniques only	Assumed crossing within landfill HDD
Footpath, bridleway or other track crossing	PAT-04	622740.6	218060.4	Track / path	Trenchless techniques only	Assumed crossing within landfill HDD
Other Obstacle Crossing	OOX-04	622668.8	218122.5	Frinton Golf Course with complex drainage and irrigation system	Trenchless techniques only	Assumed crossing within landfill HDD
Other Obstacle Crossing	OOX-05	622631.5	218150.5	Holland Haven Marshes SSSI	Trenchless techniques only	Assumed crossing within landfill HDD. Contains a number of surface drains, ditches and ponds.
Watercourse Crossing	WX-02	622563.0	218189.1	Environment Agency Main River	Trenchless techniques only	Assumed crossing within landfill HDD
Watercourse Crossing	WX-03	622360.5	218269.7	Environment Agency Main River	Trenchless techniques only	Watercourse immediately to north of proposed landfill compound location. As trenching is not suitable then the landfill HDD length would need to be increased to allow crossing of the obstacle within the same HDD.
Footpath, bridleway or other track crossing	PAT-05	622631.1	218332.3	Public footpath	Trenchless techniques only	Parallel to landfill HDD. If crossing is required, it is assumed the footpath will be crossed within the landfill HDD.
Other Obstacle Crossing	OOX-06	623258.3	218553.7	Sea Defence (sloping masonry, wall)	Trenchless techniques only	Assumed crossing within landfill HDD
Watercourse Crossing	WX-04	623241.9	218565.5	Environment Agency Main River	Trenchless techniques only	Assumed crossing within landfill HDD
Footpath, bridleway or other track crossing	PAT-06	623250.4	218558.2	Public footpath along northern side of the sea defence	Trenchless techniques only	Assumed crossing within landfill HDD
Other Obstacle Crossing	OOX-07	623194.4	218614.2	Holland Haven Marshes SSSI	Trenchless techniques only	Assumed crossing within landfill HDD. Contains a number of surface drains, ditches and ponds.
Other Obstacle Crossing	OOX-08	623160.1	218633.5	Frinton Golf Course with complex drainage and irrigation system	Trenchless techniques only	Assumed crossing within landfill HDD
Environmental Obstacle Crossing	EOX-01	623021.8	218732.8	Hedgerow / Mature Trees	Trenchless techniques only	Assumed crossing within landfill HDD
Watercourse Crossing	WX-05	623151.4	218646.0	Watercourse / drain	Trenchless techniques only	Assumed crossing within landfill HDD
Watercourse Crossing	WX-06	621204.4	217950.3	Environment Agency Main River	Trenchless techniques only	N/A
Environmental Obstacle Crossing	EOX-03	621127.5	218217.2	Hedgerow / mature trees along side of road	Trenchless techniques only	Identified as bat commuting hedgerow therefore only trenchless techniques are considered. Haul road crossing of hedgerow may be required, project would try to target gaps in vegetation for haul road construction.
Road Crossing	RX-01	621106.7	218218.8	B1032 Clacton Road	Trenchless techniques only	Crossed within same crossing as EOX-03 where already committed to trenchless crossing. Also considered that trenchless crossing likely to be required for Clacton road, suitability for HDD to be confirmed and other trenchless techniques may be required.
Underground Utilities Crossing	UUX-01	621102.6	218218.4	Telecoms line	Trenchless techniques only	Crossed within same crossing as EOX-03 where already committed to trenchless crossing.
Underground Utilities Crossing	UUX-02	621100.7	218218.4	375mm Asbestos cement Water Main - Affinity Water	Trenchless techniques only	Crossed within same crossing as EOX-03 where already committed to trenchless crossing.
Environmental Obstacle Crossing	EOX-04	621097.9	218218.5	Hedgerow / mature trees along side of road	Trenchless techniques only	Crossed within same crossing as EOX-03 where already committed to trenchless crossing. Haul road crossing of hedgerow may be required. Project would try to target gaps in vegetation for haul road construction.
Watercourse Crossing	WX-07	621097.1	218218.5	Watercourse / drain	Trenchless techniques only	Crossed within same crossing as EOX-03 where already committed to trenchless crossing. Haul road crossing of hedgerow may be required. Project would try to target gaps in vegetation for haul road construction.
Footpath, bridleway or other track crossing	PAT-07	620760.1	218440.6	Public footpath	All techniques considered	Running parallel to the cable corridor. Further investigations required to ascertain if avoidance is possible, otherwise standard trenching with a temporary closure / diversion of the public footpath may be required. Haul road crossing could be managed by use of gates / banksman etc.
Environmental Obstacle Crossing	EOX-05	620910.9	218512.7	Pond	None considered	Pond to be avoided within cable routing.
Environmental Obstacle Crossing	EOX-06	621046.4	218540.1	Hedgerow	All techniques considered	Clearance activities will be minimised where possible. The Project would try to target gaps in the vegetation for standard trenching and haul road construction.
Environmental Obstacle Crossing	EOX-07	620951.2	218717.3	Hedgerow	All techniques considered	Clearance activities will be minimised where possible. The Project would try to target gaps in the vegetation for standard trenching and haul road construction.
Footpath, bridleway or other track crossing	PAT-08	622160.1	218370.6	Track (short lane)	Trenchless techniques only	Crossed within the same crossing as EOX-08 where already committed to HDD. Haul road crossing of track (short lane) required and could be managed by the use of gates / banksman etc.
Watercourse Crossing	WX-08	622156.0	218376.5	Watercourse	Trenchless techniques only	Crossed within the same crossing as EOX-08 where already committed to HDD. Haul road crossing of watercourse may be required.
Environmental Obstacle Crossing	EOX-08	622153.2	218380.6	Hedgerow	Trenchless techniques only	Identified as bat commuting hedgerow therefore only HDD of feature considered. Haul road crossing of hedgerow may be required.
Footpath, bridleway or other track crossing	PAT-09	621937.6	218587.5	Track	All techniques considered	Standard trenching with temporary closure / diversion of the track. Haul road crossing of track required and could be managed by use of gates / banksman etc.
Footpath, bridleway or other track crossing	PAT-10	622834.4	218834.0	Public bridleway	All techniques considered	Standard trenching with temporary closure / diversion of the track. Haul road crossing of track required and could be managed by use of gates / banksman etc.
Footpath, bridleway or other track crossing	PAT-11	622229.5	218865.8	Public footpath	All techniques considered	Standard trenching with temporary closure / diversion of the track. Haul road crossing of track required and could be managed by use of gates / banksman etc.
Watercourse Crossing	WX-09	622177.0	218827.7	Environment Agency Main River	Trenchless techniques only	Likely that commitment to trenchless crossing of the Environment Agency Main River may be required. Option for open cut trenching retained. Watercourse could be crossed to the north where not designated as a Main River. Haul road crossing of watercourse may be required.
Environmental Obstacle Crossing	EOX-09	622083.1	218897.6	Mature trees	All techniques considered	Crossed within the same crossing as WX-09. The Project would try to target gaps in trees for standard trenching and haul road construction.
Environmental Obstacle Crossing	EOX-10	621777.6	218865.8	Mature trees	All techniques considered	The Project would try to target gaps in trees for standard trenching and haul road construction.
Footpath, bridleway or other track crossing	PAT-12	621337.3	218921.2	Track / path	All techniques considered	Standard trenching with temporary closure / diversion of the track. Haul road crossing of track required and could be managed by use of gates / banksman etc.
Environmental Obstacle Crossing	EOX-11	621331.0	218922.4	Mature trees	All techniques considered	The Project would try to target gaps in trees for standard trenching and haul road construction.
Underground Utilities Crossing	UUX-03	621160.4	218916.5	Telecoms line - Affinity Water	Trenchless techniques only	Crossed within the same crossing as RX-02.
Underground Utilities Crossing	UUX-09	621158.4	218916.3	375mm Asbestos cement Water Main - Affinity Water	Trenchless techniques only	Crossed within the same crossing as RX-02.
Environmental Obstacle Crossing	EOX-12	621149.8	218915.6	Hedgerow / mature trees along side of road	Trenchless techniques only	Crossed within the same crossing as RX-02. Haul road crossing of hedgerow may be required. The Project would try to target gaps in the vegetation for haul road construction.
Road Crossing	RX-02	621138.4	218914.8	B1032 Clacton Road	Trenchless techniques only	Decision taken to commit to trenchless techniques for crossing Clacton Road due to the traffic and transport assessment of diversion.
Underground Utilities Crossing	UUX-09A	621143.5	219035.9	Openreach telecoms line	All techniques considered	Crossed within the same crossing as RX-02.
Environmental Obstacle Crossing	EOX-13	620979.5	218917.9	Hedgerow	All techniques considered	Clearance activities will be minimised where possible. The Project would try to target gaps in the vegetation for standard trenching and haul road construction.

Overhead Utilities Crossing	OUX-01	620484.2	219032.9	Openreach telecoms line	All techniques considered	Crossed within the same crossing as RX-03. Presence of overheads should be considered in haul road construction and HDD compound construction / works.
Environmental Obstacle Crossing	EOX-14	620482.8	219034.9	Hedgerow / mature trees along side of road	All techniques considered	Crossed within the same crossing as RX-03. Haul road crossing of hedgerow may be required. The Project would try to target gaps in vegetation for haul road construction.
Underground Utilities Crossing	UUX-10	620482.2	219036.1	Abandoned Water Main - Affinity Water	All techniques considered	Crossed within the same crossing as RX-03.
Underground Utilities Crossing	UUX-11	620481.5	219037.5	125mm MDPE Water Main - Affinity Water	All techniques considered	Crossed within the same crossing as RX-03.
Underground Utilities Crossing	UUX-12	620481.1	219038.2	Affinity Water Main	All techniques considered	Crossed within the same crossing as RX-03. Potential duplication of UUX-11.
Underground Utilities Crossing	UUX-13	620481.0	219038.4	Low pressure gas - Gas main - Cadent Gas	All techniques considered	Crossed within the same crossing as RX-03.
Road Crossing	RX-03	620480.2	219040.4	Little Clacton Road	All techniques considered	All trenching technique options available. Trenchless crossing likely to be required. Suitability for HDD to be confirmed and other trenchless techniques may be required.
Environmental Obstacle Crossing	EOX-15	620477.7	219043.8	Hedgerow / mature trees along the side of the road	All techniques considered	Crossed within the same crossing as RX-03. Haul road crossing of hedgerow may be required. The Project would try to target gaps in vegetation for haul road construction.
Overhead Utilities Crossing	OUX-02	620461.5	219045.5	Openreach telecoms line	All techniques considered	Crossed within the same crossing as RX-03. Presence of overheads should be considered in haul road construction and HDD compound construction / works.
Overhead Utilities Crossing	OUX-03	620430.8	219075.7	11kV electricity line - UK Power Networks	All techniques considered	N/A
Underground Utilities Crossing	UUX-14	620431.7	219075.9	Low pressure gas - Gas main - Cadent Gas	All techniques considered	N/A
Footpath, bridleway or other track crossing	PAT-13	620434.6	219076.8	Public footpath	All techniques considered	Footpath runs along the cable corridor boundary. Footpath might be required to be closed / partially diverted during HDD construction. Haul road crossing of public footpath may be required and could be managed by use of gates / banksman etc.
Overhead Utilities Crossing	OUX-04	620439.6	219078.2	Openreach telecoms line	All techniques considered	N/A
Footpath, bridleway or other track crossing	PAT-14	620447.0	219080.0	Track	All techniques considered	Footpath runs along the cable corridor boundary. Footpath might be required to be closed / partially diverted during HDD construction. Haul road crossing of public footpath may be required and could be managed by use of gates / banksman etc.
Environmental Obstacle Crossing	EOX-16	620699.0	219064.6	Hedgerow / mature trees along the side of the road	All techniques considered	Crossed within the same crossing as RX-04. Haul road crossing of hedgerow may be required. The Project would try to target gaps in the vegetation for haul road construction.
Underground Utilities Crossing	UUX-15	620697.7	219066.3	Abandoned Water Main - Affinity Water	All techniques considered	Crossed within the same crossing as RX-04.
Underground Utilities Crossing	UUX-16	620696.6	219068.1	125mm MDPE Water Main - Affinity Water	All techniques considered	Crossed within the same crossing as RX-04.
Underground Utilities Crossing	UUX-17	620696.5	219068.1	Affinity Water Main	All techniques considered	Crossed within the same crossing as RX-04.
Road Crossing	RX-04	620696.1	219068.8	Little Clacton Road	All techniques considered	N/A
Underground Utilities Crossing	UUX-18	620695.9	219069.2	Low pressure gas main - Cadent Gas	All techniques considered	Crossed within the same crossing as RX-04.
Overhead Utilities Crossing	OUX-05	620917.8	219108.1	11kV Electricity line - UK Power Networks	All techniques considered	N/A
Underground Utilities Crossing	UUX-19	620959.3	219118.1	Service cable - UK Power Networks	All techniques considered	Crossed within the same crossing as RX-05.
Environmental Obstacle Crossing	EOX-17	620958.3	219120.1	Hedgerow / mature trees along the side of the road	All techniques considered	Crossed within the same crossing as RX-05. Haul road crossing of hedgerow may be required. The Project would try to target gaps in the vegetation for haul road construction.
Underground Utilities Crossing	UUX-20	620958.1	219122.6	Abandoned Water Main - Affinity Water	All techniques considered	Crossed within the same crossing as RX-05.
Underground Utilities Crossing	UUX-21	620957.9	219124.0	125mm MDPE Water Main - Affinity Water	All techniques considered	Crossed within the same crossing as RX-05.
Underground Utilities Crossing	UUX-22	620957.7	219124.9	Affinity Water Main	All techniques considered	Crossed within the same crossing as RX-05.
Road Crossing	RX-05	620957.5	219126.0	Little Clacton Road	All techniques considered	All trenching technique options available. Trenchless crossing likely to be required. Suitability for HDD to be confirmed and other trenchless techniques may be required.
Underground Utilities Crossing	UUX-23	620957.4	219127.0	Low pressure gas main - Cadent Gas	All techniques considered	Crossed within the same crossing as RX-05.
Overhead Utilities Crossing	OUX-06	620957.1	219128.8	Openreach telecoms line	All techniques considered	Crossed within the same crossing as RX-05.
Underground Utilities Crossing	UUX-24	620987.0	219136.4	Abandoned Water Main - Affinity Water	All techniques considered	Crossed within the same crossing as RX-05.
Overhead Utilities Crossing	OUX-07	620881.3	219167.8	11kV electricity line - UK Power Networks	All techniques considered	N/A
Footpath, bridleway or other track crossing	PAT-15	620843.5	219234.1	Public footpath	All techniques considered	Public footpath runs along the cable corridor boundary. The footpath might be required to be closed / partially diverted during HDD construction. Haul road crossing of footpath may be required and could be managed by use of gates / banksmen etc.
Footpath, bridleway or other track crossing	PAT-16	620877.3	219340.7	Public footpath	All techniques considered	Standard trenching with temporary closure / diversion of the path. Haul road crossing of path required and could be managed by use of gates / banksmen etc.
Overhead Utilities Crossing	OUX-08	620876.9	219351.2	33kV Electricity line - UK Power Networks	All techniques considered	Standard trenching / haul road construction.
Environmental Obstacle Crossing	EOX-18	620915.7	219358.1	Hedgerow	All techniques considered	Aim to minimise clearance requirements. The Project would try to target gaps in the vegetation for standard trenching and haul road construction.
Overhead Utilities Crossing	OUX-08A	620766.5	219397.5	11kV electricity line - UK Power Networks	All techniques considered	Standard trenching / haul road construction.
Footpath, bridleway or other track crossing	PAT-17	620765.3	219396.7	Public footpath	All techniques considered	Standard trenching with temporary closure / diversion of the public footpath. Haul road crossing of footpath required and could be managed using gates / banksmen etc.
Overhead Utilities Crossing	OUX-09	620543.7	219387.3	11kV electricity line - UK Power Networks	All techniques considered	Standard trenching / haul road construction.
Overhead Utilities Crossing	OUX-10	620523.4	219390.0	33kV Electricity line - UK Power Networks	All techniques considered	Standard trenching / haul road construction.
Footpath, bridleway or other track crossing	PAT-18	620515.6	219422.9	Public footpath	All techniques considered	Standard trenching with temporary closure / diversion of the footpath. Haul road crossing of footpath required and could be managed using gates / banksmen etc.
Environmental Obstacle Crossing	EOX-19	620450.6	219394.0	Hedgerow	All techniques considered	Aim to minimise clearance requirements. The Project would try to target gaps in the vegetation for standard trenching and haul road construction.
Environmental Obstacle Crossing	EOX-20	620492.5	219469.3	HEDGEROW	All techniques considered	Aim to minimise clearance requirements. The Project would try to target gaps in the vegetation for standard trenching and haul road construction.
Footpath, bridleway or other track crossing	PAT-19	620462.2	219512.9	Public footpath	All techniques considered	Temporary closure / diversion of the footpath might be required. Haul road crossing could be managed by the use of gates / banksmen etc.
Environmental Obstacle Crossing	EOX-21	620445.6	219634.8	Hedgerow	All techniques considered	Hedgerow runs parallel to cable route and construction would aim to minimise clearance requirements. The Project would try to target gaps in vegetation for standard trenching and haul road construction.
Watercourse Crossing	WX-10	620323.6	219697.1	Watercourse / drain	Trenchless techniques only	Crossed within the same crossing as EOX-22 where already committed trenchless techniques.
Environmental Obstacle Crossing	EOX-22	620323.1	219698.8	Hedgerow	Trenchless techniques only	Identified as dormouse habitat and bat commuting hedgerow therefore trenchless techniques considered only. Haul road crossing of hedgerow may be required. The Project would try to target gaps in vegetation for haul road construction.

Footpath, bridleway or other track crossing	PAT-20	620318.5	219711.1	Track	Trenchless techniques only	Crossed within the same crossing as EOX-22 where already committed trenchless techniques. Haul road crossing of track required and could be managed by use of gates / banksmen etc.
Underground Utilities Crossing	UUX-25	620252.9	219856.6	Intermediate pressure gas main - Cadent Gas	All techniques considered	All trenching technique options available. Trenchless crossing likely to be required. Suitability for HDD to be confirmed and other trenchless techniques may be required.
Environmental Obstacle Crossing	EOX-23	620148.6	220080.5	Hedgerow	Trenchless techniques only	Identified as dormouse habitat and bat commuting hedgerow therefore trenchless techniques considered only. Haul road crossing of hedgerow may be required. The Project would try to target gaps in vegetation for haul road construction.
Footpath, bridleway or other track crossing	PAT-21	620144.6	220084.2	Track	Trenchless techniques only	Crossed within the same crossing as EOX-23 where already committed to trenchless crossing. Haul road crossing of the track required and could be managed by the use of gates / banksmen etc.
Watercourse Crossing	WX-11	620140.7	220086.0	Watercourse	Trenchless techniques only	Watercourse identified by environmental consultant. Crossed within the same crossing as EOX-23 where already committed to HDD. Haul road crossing of watercourse may be required.
Other Obstacle Crossing	OOX-09	620207.6	220161.7	Affinity Water Company Land	All techniques considered	Cable route would try to avoid encroaching on Affinity Water Company Land (where future covered reservoirs may be planned).
Environmental Obstacle Crossing	EOX-24	619990.5	220166.5	Hedgerow	All techniques considered	Hedgerow runs parallel to cable route and construction would aim to minimise clearance requirements. The Project would try to target gaps in vegetation for standard trenching and haul road construction.
Environmental Obstacle Crossing	EOX-25	619927.7	220205.1	Pond	Trenchless techniques only	Crossed within the same crossing as EOX-26 where already committed to trenchless techniques.
Watercourse Crossing	WX-12	619955.8	220314.2	Watercourse	Trenchless techniques only	Crossed within the same crossing as EOX-26 or UTX-1 where already committed to trenchless techniques. Haul road crossing of watercourse may be required.
Environmental Obstacle Crossing	EOX-26	619946.8	220322.1	Hedgerow / mature trees	Trenchless techniques only	Identified as dormouse habitat and bat commuting hedgerow therefore trenchless techniques considered only. Haul road crossing of hedgerow may be required. The Project would try to target gaps in vegetation for haul road construction.
Overhead Utilities Crossing	OUX-11	619936.3	220327.1	33kV Electricity line - UK Power Networks	Trenchless techniques only	Crossed within the same crossing as EOX-26 or UTX-1 where already committed to trenchless techniques.
Environmental Obstacle Crossing	EOX-27	619935.1	220433.3	Woodland block	Trenchless techniques only	Crossed within the same crossing as EOX-26 or UTX-1 where already committed to trenchless techniques.
Underground Utilities Crossing	UUX-26	620059.1	220447.4	250MM AC Pipe - Affinity Water	All techniques considered	Assumed to be overflow from covered reservoir. May be crossed within crossing of UTX-01 or separate crossing.
Underground Utilities Crossing	UUX-27	620067.8	220520.6	525mm SI Water main - Affinity Water	All techniques considered	Potential to cross asset within the same crossing as UTX-01. Standoff from water main may be required.
Underground Utilities Crossing	UUX-28	620068.0	220521.2	Telecoms line - Affinity Water	All techniques considered	Potential to cross asset within the same crossing as UTX-01.
Environmental Obstacle Crossing	EOX-28	619709.9	220393.6	Mature trees / dense vegetation along railway	Trenchless techniques only	Crossed within the same crossing as UTX-01.
Under Track Crossing	UTX-01	619702.9	220406.5	Railway line	Trenchless techniques only	Trenchless crossing of railway line assumed to be required.
Environmental Obstacle Crossing	EOX-29	619700.8	220416.0	Mature trees / dense vegetation along railway	Trenchless techniques only	Crossed within the same crossing as UTX-01.
Other Obstacle Crossing	OOX-10	619529.0	220382.1	Bridge across railway	Trenchless techniques only	Crossing alignments beneath the railway are likely to require a standoff from this structure.
Footpath, bridleway or other track crossing	PAT-16A	619437.3	220509.6	Track	All techniques considered	Potentially within HDD compound. Temporary diversion / closure might be required.
Environmental Obstacle Crossing	EOX-30	619439.0	220511.5	Hedgerow	All techniques considered	Aim to minimise clearance requirements. The Project would try to target gaps in the vegetation for standard trenching and haul road construction.
Environmental Obstacle Crossing	EOX-31	619555.3	220844.5	Hedgerow	All techniques considered	Aim to minimise clearance requirements. The Project would try to target gaps in the vegetation for standard trenching and haul road construction.
Underground Utilities Crossing	UUX-29	619781.2	220842.5	525mm SI Water Main - Affinity Water	All techniques considered	All trenching technique options being considered. Trenchless crossing of Water Main may be required.
Underground Utilities Crossing	UUX-30	619781.6	220843.0	Affinity Water Main	All techniques considered	Crossed within same crossing as UUX-29. Potential duplication of UUX-29.
Underground Utilities Crossing	UUX-31	619782.0	220844.0	Telecoms line - Affinity Water	All techniques considered	Crossed within the same crossing as UUX-29.
Underground Utilities Crossing	UUX-32	619782.3	220844.7	Cable - Affinity Water	All techniques considered	Crossed within same crossing as UUX-29. Potential duplication of UUX-31.
Overhead Utilities Crossing	OUX-12	619785.1	220847.3	33kV Electricity line - UK Power Networks	All techniques considered	Crossed within the same crossing as UUX-29. Standard trenching / haul road construction.
Environmental Obstacle Crossing	EOX-32	619801.2	221006.3	Porklane Grove Woodland and Hedgerow to the east	Trenchless techniques only	Haul road crossing of hedgerow may be required. The Project would try to target gaps in vegetation for haul road construction.
Footpath, bridleway or other track crossing	PAT-17A	619909.6	221007.1	Track / path	Trenchless techniques only	Crossed in the same crossing as EOX-32. Haul road crossing could be managed by the use of gates / banksmen etc.
Underground Utilities Crossing	UUX-33	619690.3	221099.4	525mm SI Water Main - Affinity Water Main	All techniques considered	All options currently being considered. Trenchless crossing of water main may be required.
Underground Utilities Crossing	UUX-34	619691.0	221099.9	Affinity Water Main	All techniques considered	Crossed within the same crossing as UUX-33.
Underground Utilities Crossing	UUX-35	619692.2	221100.8	Telecoms line - Affinity Water	All techniques considered	Crossed within the same crossing as UUX-33.
Underground Utilities Crossing	UUX-36	619692.3	221101.0	Cable - Affinity Water	All techniques considered	Crossed within the same crossing as UUX-33.
Environmental Obstacle Crossing	EOX-33	619699.2	221107.0	Hedgerow / mature trees	All techniques considered	Crossed within the same crossing as UUX-33. Haul road crossing of hedgerow may be required. The Project would try to target gaps in vegetation for haul road construction.
Overhead Utilities Crossing	OUX-13	619716.1	221117.0	33kV Electricity line - UK Power Networks	All techniques considered	Potentially crossed within the same crossing as UUX-33 or separate crossing. Cable corridor may also route to the north and avoid crossing of 33kV line at this location.
Overhead Utilities Crossing	OUX-14	619813.0	221378.7	33kV Electricity line - UK Power Networks	All techniques considered	All options possible. May be avoided as running parallel along route. Proximity to this utility should be considered during design and construction of the cable route. Haul road and any HDD compounds / temporary construction compounds in the area. Standoff requirements TBC.
Overhead Utilities Crossing	OUX-15	619791.9	221527.9	11kV Electricity line - UK Power Networks	All techniques considered	All options possible. May be avoided as running parallel along route. Proximity to this utility should be considered during design and construction of the cable route. Haul road and any HDD compounds / temporary construction compounds in the area. Standoff requirements TBC.
Underground Utilities Crossing	UUX-37	619898.7	221476.9	Openreach telecoms line	Trenchless techniques only	Crossed within the same crossing as RX-06.
Underground Utilities Crossing	UUX-38	619899.0	221477.5	Abandoned Water Main - Affinity Water	Trenchless techniques only	Crossed within the same crossing as RX-06.
Underground Utilities Crossing	UUX-39	619899.0	221477.5	Openreach telecoms duct	Trenchless techniques only	Crossed within the same crossing as RX-06.
Road Crossing	RX-06	619900.8	221480.2	B1033 Thorpe Road	Trenchless techniques only	Decision taken to commit to trenchless techniques for crossing Thorpe Road due to the traffic and transport assessment of diversion.
Underground Utilities Crossing	UUX-40	619902.6	221482.3	180mm HPPE Water Main - Affinity Water	Trenchless techniques only	Crossed within the same crossing as RX-06.
Underground Utilities Crossing	UUX-41	619903.1	221483.0	Affinity Water Main	Trenchless techniques only	Crossed within the same crossing as RX-06.
Environmental Obstacle Crossing	EOX-34	620003.1	221515.8	Hedgerow / mature trees	All techniques considered	Parallel to cable route and may be avoided in routing. Aim to minimise clearance requirements. The Project would try to target gaps in vegetation for standard trenching and haul road construction.
Environmental Obstacle Crossing	EOX-35	620079.9	221512.9	Hedgerow	All techniques considered	Aim to minimise clearance requirements. The Project would try to target gaps in the vegetation for standard trenching and haul road construction.
Overhead Utilities Crossing	OUX-16	620038.4	221543.7	11kV Electricity line - UK Power Networks	All techniques considered	Standard trenching / haul road construction.
Overhead Utilities Crossing	OUX-17	620011.7	221737.2	33kV Electricity line - UK Power Networks	All techniques considered	Standard trenching / haul road construction.
Watercourse Crossing	WX-13	619988.9	221772.9	Watercourse / drain	Trenchless techniques only	Crossed within the same crossing as RX-07. Haul road crossing of watercourse may be required.
Road Crossing	RX-07	619986.4	221777.1	B1034 Sneating Hall Lane	Trenchless techniques only	Decision taken to commit to trenchless crossing of road due to traffic and transport assessment of diversion.

Overhead Utilities Crossing	OUX-18	619984.2	221779.9	Openreach telecoms line - proposed	Trenchless techniques only	Crossed within the same crossing as RX-07. Presence of overheads should be considered in cable routing, haul road construction and HDD compounds construction / works.
Underground Utilities Crossing	UUX-42	619983.9	221780.4	Openreach telecoms line	Trenchless techniques only	Crossed within the same crossing as RX-07.
Overhead Utilities Crossing	OUX-19	619982.4	221782.8	Openreach telecoms line	Trenchless techniques only	Crossed within the same crossing as RX-07.
Overhead Utilities Crossing	OUX-20	619669.5	222133.0	Openreach telecoms line	All techniques considered	Crossed within the same crossing as RX-08.
Road Crossing	RX-08	619663.2	222132.0	Damants Farm Lane	All techniques considered	All trenching options available. Trenchless crossing likely to be required. Suitability for HDD to be confirmed and other trenchless technique may be required.
Environmental Obstacle Crossing	EOX-36	619658.3	222131.5	Hedgerow / mature trees	All techniques considered	Crossed within the same crossing as RX-08. Haul road crossing of hedgerow may be required. The Project would try to target gaps in vegetation for haul road construction.
Watercourse Crossing	WX-14	619657.3	222131.4	Watercourse	All techniques considered	Crossed within the same crossing as RX-08. Haul road crossing of watercourse may be required.
Underground Utilities Crossing	UUX-43	619572.6	222125.6	Telecoms line - Affinity Water	All techniques considered	Crossed within the same crossing as UUX-45.
Underground Utilities Crossing	UUX-44	619572.0	222125.4	Cable - Affinity Water	All techniques considered	Crossed within the same crossing as UUX-45.
Underground Utilities Crossing	UUX-45	619569.4	222125.0	525mm SI Water Main - Affinity Water	All techniques considered	All options currently being considered. Trenchless crossing of water main may be required.
Underground Utilities Crossing	UUX-46	619569.2	222125.0	Affinity Water Main	All techniques considered	Crossed within the same crossing as UUX-45.
Other Obstacle Crossing	OOX-11	619366.9	222066.3	Dalcour Maclaren identified as potential landowner constraint	All techniques considered	Land parcel may be able to avoided. Detailed design required to confirm avoidance.
Environmental Obstacle Crossing	EOX-37	619352.4	222115.8	Hedgerow	Trenchless techniques only	Identified as bat commuting hedgerow therefore trenchless crossing only. May be avoided depending on final cable routing.
Other Obstacle Crossing	OOX-12	619305.4	222142.0	Dalcour Maclaren identified as potential landowner constraint	All techniques considered	Land parcel may be able to avoided. Detailed design required to confirm avoidance.
Footpath, bridleway or other track crossing	PAT-18A	619345.9	222207.3	Public footpath	Trenchless techniques only	Crossed within the same crossing as EOX-38 where already committed to trenchless crossing. Haul road crossing of public footpath required and could be managed by use of gates / banksmen etc.
Environmental Obstacle Crossing	EOX-38	619344.1	222211.1	Hedgerow	Trenchless techniques only	Identified as bat commuting hedgerow therefore trenchless crossing only. May be avoided depending on final cable routing.
Footpath, bridleway or other track crossing	PAT-19A	619343.1	222212.8	Path	Trenchless techniques only	Crossed within the same crossing as EOX-38 where already committed to trenchless crossing. Haul road crossing of public footpath required and could be managed by use of gates / banksmen etc.
Environmental Obstacle Crossing	EOX-39	619231.5	222311.9	Hedgerow	Trenchless techniques only	Identified as bat commuting hedgerow therefore trenchless crossing only. Runs parallel to the cable route so crossing of the hedgerow may not be required. Haul road crossing of hedgerow may be required. The Project would try to target gaps in the vegetation for haul road construction.
Watercourse Crossing	WX-15	619173.4	222427.8	Watercourse	All techniques considered	All options currently being considered. Trenchless crossing of water main may be required.
Environmental Obstacle Crossing	EOX-40	619171.6	222428.9	Hedgerow / mature trees	All techniques considered	All options currently being considered. Haul road crossing of hedgerow / mature trees may be required. The Project would try to target gaps in the vegetation for haul road construction.
Environmental Obstacle Crossing	EOX-41	619049.7	222486.5	Woodland	Trenchless techniques only	Haul road would be routed around woodland.
Environmental Obstacle Crossing	EOX-42	619133.2	222628.4	Hedgerow	Trenchless techniques only	Identified as bat commuting hedgerow therefore trenchless crossing only. Runs parallel to the cable route so crossing of the hedgerow may not be required. Haul road crossing of hedgerow may be required. The Project would try to target gaps in the vegetation for haul road construction.
Environmental Obstacle Crossing	EOX-43	618931.2	222594.4	Hedgerow	All techniques considered	All options currently being considered. Requirement for crossing may be avoided depending on final cable routing. Haul road crossing of hedgerow may be required. The Project would try to target gaps in the vegetation for haul road construction.
Overhead Utilities Crossing	OUX-21	618903.5	222582.4	11kV Electricity line - UK Power Networks	All techniques considered	All options currently being considered. Requirement for crossing may be avoided depending on final cable routing.
Environmental Obstacle Crossing	EOX-44	618960.9	222700.4	Hedgerow	Trenchless techniques only	Identified as bat commuting hedgerow therefore trenchless crossing only. Haul road crossing of hedgerow may be required. The Project would try to target gaps in the vegetation for haul road construction.
Environmental Obstacle Crossing	EOX-44A	618791.3	222841.3	Hedgerow	All techniques considered	Identified as bat commuting hedgerow therefore trenchless crossing only. Haul road crossing of hedgerow may be required. The Project would try to target gaps in the vegetation for haul road construction.
Overhead Utilities Crossing	OUX-22	618957.9	222702.4	11kV Electricity line - UK Power Networks	All techniques considered	Crossed within the same crossing as EOX-44 where already committed to trenchless crossing.
Environmental Obstacle Crossing	EOX-45	618635.1	222916.8	Hedgerow	Trenchless techniques only	Identified as bat commuting hedgerow therefore trenchless crossing only. Haul road crossing of hedgerow may be required. The Project would try to target gaps in the vegetation for haul road construction.
Underground Utilities Crossing	UUX-47	618633.3	222917.4	250mm PVC Water Main - Affinity Water	Trenchless techniques only	Crossed within the same crossing as EOX-45 where already committed to trenchless crossing.
Underground Utilities Crossing	UUX-48	618633.1	222917.4	Affinity Water Main	Trenchless techniques only	Crossed within the same crossing as EOX-45 where already committed to trenchless crossing.
Underground Utilities Crossing	UUX-49	618629.4	222917.7	Abandoned Water Main - Affinity Water	Trenchless techniques only	Crossed within the same crossing as EOX-45 where already committed to trenchless crossing.
Road Crossing	RX-09	618628.1	222917.7	B1414 Landemere Road	Trenchless techniques only	Crossed within the same crossing as EOX-45 where already committed to trenchless crossing.
Underground Utilities Crossing	UUX-50	618625.9	222918.4	Openreach telecoms line	Trenchless techniques only	Crossed within the same crossing as EOX-45 where already committed to trenchless crossing.
Footpath, bridleway or other track crossing	PAT-19B	618540.5	222849.2	Public footpath	All techniques considered	Crossed within the same crossing as EOX-45 where already committed to trenchless crossing.
Underground Utilities Crossing	UUX-51	618623.9	222918.8	Abandoned Water Main - Affinity Water	Trenchless techniques only	Crossed within the same crossing as EOX-45 where already committed to trenchless crossing.
Environmental Obstacle Crossing	EOX-46	618467.6	222950.6	Hedgerow / mature trees	All techniques considered	Aim to minimise clearance requirements.
Environmental Obstacle Crossing	EOX-47	618286.5	223043.4	Hedgerow / mature trees	All techniques considered	Aim to minimise clearance requirements.
Environmental Obstacle Crossing	EOX-48	617743.0	223321.2	Hedgerow along Golden Lane	Trenchless techniques only	Crossed within the same crossing as EOX-49 where already committed to trenchless crossing.
Underground Utilities Crossing	UUX-52	617739.6	223324.2	Openreach telecoms line - proposed	Trenchless techniques only	Crossed within the same crossing as EOX-49 where already committed to trenchless crossing.
Overhead Utilities Crossing	OUX-23	617738.9	223324.8	Openreach telecoms line	Trenchless techniques only	Crossed within the same crossing as EOX-49 where already committed to trenchless crossing.
Road Crossing	RX-10	617736.3	223326.4	Golden Lane	Trenchless techniques only	Crossed within the same crossing as EOX-49 where already committed to trenchless crossing.
Environmental Obstacle Crossing	EOX-49	617731.8	223327.9	Hedgerow along Golden Lane	Trenchless techniques only	Identified as bat commuting hedgerow therefore only trenchless techniques are considered. Haul road crossing of hedgerow may be required, project would try to target gaps in vegetation for haul road construction.
Footpath, bridleway or other track crossing	PAT-20A	617701.9	223253.3	Public bridleway	All techniques considered	Crossed within the same crossing as EOX-49 where already committed to trenchless crossing. Haul road crossing of public bridleway may not be required depending on route. Could be managed by use of gates / banksmen etc.
Other Obstacle Crossing	OOX-13	617692.5	223248.1	Dalcour Maclaren identified as potential landowner constraint	Trenchless techniques only	Land parcel may be able to avoided. Detailed design required to confirm avoidance. If crossing required then crossed within the same crossing as EOX-49 where trenchless techniques already committed to.
Other Obstacle Crossing	OOX-14	617824.3	223418.6	Dalcour Maclaren identified as potential landowner constraint	Trenchless techniques only	Land parcel may be able to avoided. Detailed design required to confirm avoidance. If crossing required then crossed within the same crossing as EOX-49 where trenchless techniques already committed to.

Footpath, bridleway or other track crossing	PAT-21A	617771.8	223407.7	Public footpath	Trenchless techniques only	Crossed within the same crossing as EOX-49 where already committed to trenchless crossing. Haul road crossing of public bridleway may not be required depending on route. Could be managed by use of gates / banksmen etc.
Environmental Obstacle Crossing	EOX-50	617624.1	223359.5	Hedgerow	Trenchless techniques only	Identified as bat commuting hedgerow therefore only trenchless techniques are considered. Haul road crossing of hedgerow may be required, project would try to target gaps in vegetation for haul road construction.
Overhead Utilities Crossing	OUX-24	617620.6	223361.7	11kV Electricity line - UK Power Networks	Trenchless techniques only	Crossed within the same crossing at EOX-50 where already committed to trenchless techniques.
Environmental Obstacle Crossing	EOX-51	617401.6	223448.2	Hedgerow / mature trees	All techniques considered	Crossed within the same crossing at EOX-52 where already committed to trenchless techniques.
Other Obstacle Crossing	OOX-15	617362.9	223456.9	Dalcour Maclaren identified as potential landowner constraint	All techniques considered	Crossed within the same crossing at EOX-52 where already committed to trenchless techniques.
Watercourse Crossing	WX-16	617320.2	223468.9	Watercourse	Trenchless techniques only	Crossed within the same crossing at EOX-52 or UTX-1 where already committed to trenchless techniques.
Footpath, bridleway or other track crossing	PAT-22	617314.7	223470.1	Public footpath	All techniques considered	Crossed within the same crossing at EOX-52 where already committed to trenchless techniques.
Environmental Obstacle Crossing	EOX-52	617317.3	223469.0	Hedgerow / mature trees	Trenchless techniques only	Identified as dormouse habitat and bat commuting hedgerow therefore trenchless techniques considered only.
Underground Utilities Crossing	UUX-53	619045.9	222820.0	Affinity Water Main	All techniques considered	Crossed within the same crossing as UUX-54.
Underground Utilities Crossing	UUX-54	619045.8	222820.4	525mm SI Water Main - Affinity Water	All techniques considered	Trenchless crossing of Water Main may be required.
Underground Utilities Crossing	UUX-55	619045.6	222821.6	Cable - Affinity Water	All techniques considered	Crossed within the same crossing as UUX-54.
Underground Utilities Crossing	UUX-56	619045.5	222822.3	Telecoms line - Affinity Water	All techniques considered	Crossed within the same crossing as UUX-54.
Overhead Utilities Crossing	OUX-25	619136.7	222979.5	11kV Electricity line - UK Power Networks	All techniques considered	Requirement for crossing may be avoided depending on the final cable routing.
Environmental Obstacle Crossing	EOX-53	619098.9	222979.5	Hedgerow	Trenchless techniques only	Identified as bat commuting hedgerow therefore trenchless techniques to be considered only.
Overhead Utilities Crossing	OUX-26	619097.2	222980.7	11kV Electricity line - UK Power Networks	Trenchless techniques only	Crossed within the same crossing as EOX-53 where already committed to trenchless techniques.
Environmental Obstacle Crossing	EOX-54	619051.4	223282.8	Hedgerow	Trenchless techniques only	Crossed within the same crossing as EOX-55 where already committed to trenchless techniques.
Underground Utilities Crossing	UUX-56A	619050.4	223285.0	Affinity Water Main	Trenchless techniques only	Crossed within the same crossing as EOX-55 where already committed to trenchless techniques.
Underground Utilities Crossing	UUX-57	619050.0	223285.6	300mm SI Water Main - Affinity Water	Trenchless techniques only	Crossed within the same crossing as EOX-55 where already committed to trenchless techniques.
Road Crossing	RX-11	619048.3	223290.0	Walton Road	Trenchless techniques only	Crossed within the same crossing as EOX-55 where already committed to trenchless techniques.
Overhead Utilities Crossing	OUX-27A	619046.5	223293.1	Openreach telecoms line	Trenchless techniques only	Crossed within the same crossing as EOX-55 where already committed to trenchless techniques. Presence of overheads should be considered in cable routing.
Environmental Obstacle Crossing	EOX-55	619044.0	223297.9	Hedgerow	Trenchless techniques only	Identified as bat commuting hedgerow therefore trenchless techniques to be considered only.
Environmental Obstacle Crossing	EOX-56	618929.6	223460.8	Hedgerow	All techniques considered	Aim to minimise clearance requirements. The Project would try to target gaps in the vegetation for standard trenching and haul road construction.
Environmental Obstacle Crossing	EOX-57	618687.1	223523.5	Hedgerow	Trenchless techniques only	Crossed within the same crossing as EOX-57 where already committed to trenchless crossing.
Underground Utilities Crossing	UUX-58	618686.0	223522.9	Affinity Water Main	Trenchless techniques only	Crossed within the same crossing as EOX-57 where already committed to trenchless crossing.
Underground Utilities Crossing	UUX-59	618685.4	223523.0	Openreach telecoms line	Trenchless techniques only	Crossed within the same crossing as EOX-58 where already committed to trenchless crossing.
Underground Utilities Crossing	UUX-60	618685.2	223523.1	375mm cl Water Main - Affinity Water	Trenchless techniques only	Crossed within the same crossing as EOX-58 where already committed to trenchless crossing.
Road Crossing	RX-12	618680.4	223523.2	B1414 Landemere Road	Trenchless techniques only	Crossed within the same crossing as EOX-58 where already committed to trenchless crossing.
Underground Utilities Crossing	UUX-61	618675.4	223523.6	Openreach telecoms line	Trenchless techniques only	Crossed within the same crossing as EOX-58 where already committed to trenchless crossing.
Environmental Obstacle Crossing	EOX-58	618673.0	223523.9	Hedgerow	Trenchless techniques only	Identified as bat commuting hedgerow therefore trenchless techniques to be considered only.
Watercourse Crossing	WX-17	618707.6	223628.6	Environment Agency Main River	Trenchless techniques only	Watercourse upstream of Hamford therefore subject to trenchless techniques (likely HDD). Haul road crossing of watercourse may be required.
Footpath, bridleway or other track crossing	PAT-22A	618692.4	223635.5	Path	Trenchless techniques only	Crossed in the same crossing as WX-17.
Environmental Obstacle Crossing	EOX-59	618708.0	223628.7	Hedgerow / trees along watercourse	Trenchless techniques only	Crossed in the same crossing as WX-17.
Road Crossing	RX-13	618412.6	223602.2	Golden Lane	All techniques considered	If trenching used, temporary closure of Golden Lane and vehicular traffic diverted elsewhere.
Environmental Obstacle Crossing	EOX-60	618408.4	223606.1	Hedgerow	All techniques considered	Crossed in the same crossing as RX-13.
Other Obstacle Crossing	OOX-16	618011.9	223583.2	Dalcour Maclaren identified as potential landowner constraint	All techniques considered	Land parcel may be able to be avoided. Detailed design required to confirm avoidance.
Footpath, bridleway or other track crossing	PAT-22B	618062.8	223676.3	Path	All techniques considered	Temporary closure / diversion of the path might be required. Haul road crossing could be managed by the use of gates / banksmen etc.
Underground Utilities Crossing	UUX-62	617753.7	223687.2	Cable - Affinity Water	All techniques considered	Crossed within the same crossing as UUX-65.
Underground Utilities Crossing	UUX-63	617752.0	223687.1	Telecoms line - Affinity Water	All techniques considered	Crossed within the same crossing as UUX-65.
Underground Utilities Crossing	UUX-64	617749.0	223687.0	Affinity Water Main	All techniques considered	Crossed within the same crossing as UUX-65.
Underground Utilities Crossing	UUX-65	617748.1	223687.0	525mm SI Water Main - Affinity Water	All techniques considered	Trenchless crossing of Water Main may be required.
Footpath, bridleway or other track crossing	PAT-23	617710.1	223683.4	Public footpath	Trenchless techniques only	Crossed within the same crossing as EOX-61 where already committed to trenchless crossing.
Environmental Obstacle Crossing	EOX-61	617704.8	223683.3	Hedgerow	Trenchless techniques only	Identified as bat commuting hedgerow therefore trenchless techniques to be considered only.
Environmental Obstacle Crossing	EOX-62	617577.6	223568.4	Hedgerow	All techniques considered	Parallel along cable route and may be avoided in routing. Aim to minimise clearance requirements. The Project would try to target gaps in the vegetation for standard trenching and haul road construction.
Environmental Obstacle Crossing	EOX-63	617445.5	223707.1	Hedgerow	All techniques considered	Parallel along cable route and may be avoided in routing. Aim to minimise clearance requirements. The Project would try to target gaps in the vegetation for standard trenching and haul road construction.
Environmental Obstacle Crossing	EOX-64	617413.8	223659.5	Hedgerow / mature trees	Trenchless techniques only	Identified as bat commuting hedgerow therefore trenchless techniques to be considered only.
Footpath, bridleway or other track crossing	PAT-24	617412.5	223659.9	Public footpath	Trenchless techniques only	Crossed within the same crossing as EOX-64.
Footpath, bridleway or other track crossing	PAT-25	617350.4	223618.7	Path	All techniques considered	Temporary closure / diversion of the path might be required. Haul road crossing could be managed by the use of gates / banksmen etc.
Environmental Obstacle Crossing	EOX-65	617290.2	223683.2	Hedgerow	Trenchless techniques only	Crossed within the same crossing as EOX-64.
Environmental Obstacle Crossing	EOX-66	617076.3	223641.6	Mature trees	All techniques considered	Aim to minimise clearance requirements. The Project would try to target gaps in the vegetation for standard trenching and haul road construction.
Environmental Obstacle Crossing	EOX-67	616875.9	223654.3	Hedgerow	All techniques considered	Parallel along cable route and may be avoided in routing. Aim to minimise clearance requirements. The Project would try to target gaps in the vegetation for standard trenching and haul road construction.
Footpath, bridleway or other track crossing	PAT-26	616953.2	223764.9	Public footpath	All techniques considered	Temporary closure / diversion of the public footpath might be required. Haul road crossing could be managed by the use of gates / banksmen etc.
Environmental Obstacle Crossing	EOX-68	616951.6	223765.2	Hedgerow / trees	All techniques considered	Aim to minimise clearance requirements. The Project would try to target gaps in the vegetation for standard trenching and haul road construction.
Watercourse Crossing	WX-18	618375.9	223747.6	Environment Agency Main River	Trenchless techniques only	Likely that commitment to trenchless crossing of the Environment Agency Main River may be required. Option for open cut trenching retained. Watercourse could be crossed to the north where not designated as a Main River. Haul road crossing of watercourse may be required.
Environmental Obstacle Crossing	EOX-69	618003.2	223955.6	Hedgerow	All techniques considered	Aim to minimise clearance requirements. The Project would try to target gaps in the vegetation for standard trenching and haul road construction.

Footpath, bridleway or other track crossing	PAT-27	617703.2	224050.0	Public footpath	All techniques considered	Temporary closure / diversion of the public footpath might be required. Haul road crossing could be managed by the use of gates / banksmen etc.
Environmental Obstacle Crossing	EOX-70	617696.9	224051.8	Hedgerow	All techniques considered	Aim to minimise clearance requirements. The Project would try to target gaps in the vegetation for standard trenching and haul road construction.
Watercourse Crossing	WX-19	617420.0	224101.7	Watercourse	All techniques considered	Haul road crossing of watercourse may be required.
Environmental Obstacle Crossing	EOX-71	617260.5	224052.3	Hedgerow	All techniques considered	Aim to minimise clearance requirements. The Project would try to target gaps in the vegetation for standard trenching and haul road construction.
Environmental Obstacle Crossing	EOX-72	617241.9	223935.0	Hedgerow	All techniques considered	May be avoidable in cable routing.
Environmental Obstacle Crossing	EOX-72	617178.3	223959.5	Hedgerow	All techniques considered	Parallel along cable route and may be avoided in routing. Aim to minimise clearance requirements. The Project would try to target gaps in the vegetation for standard trenching and haul road construction.
Environmental Obstacle Crossing	EOX-73	617075.2	224016.1	Hedgerow	All techniques considered	Aim to minimise clearance requirements. The Project would try to target gaps in the vegetation for standard trenching and haul road construction.
Footpath, bridleway or other track crossing	PAT-28	616953.5	224004.2	Public footpath	All techniques considered	Temporary closure / diversion of the public footpath might be required. Haul road crossing could be managed by the use of gates / banksmen etc.
Underground Utilities Crossing	UUX-66	616955.5	223952.5	Cable - Affinity Water	All techniques considered	Crossed within the same crossing as UUX-69.
Underground Utilities Crossing	UUX-67	616954.8	223952.2	Telecoms line - Affinity Water	All techniques considered	Crossed within the same crossing as UUX-69.
Underground Utilities Crossing	UUX-68	616952.8	223950.9	Affinity Water Main	All techniques considered	Crossed within the same crossing as UUX-69.
Underground Utilities Crossing	UUX-69	616952.4	223950.7	525mm SI Water Main - Affinity Water	All techniques considered	Trenchless crossing of the Water Main may be required.
Environmental Obstacle Crossing	EOX-74	616926.6	223915.5	Hedgerow / trees along watercourse	All techniques considered	Crossed in the same crossing as WX-20.
Watercourse Crossing	WX-20	616922.3	223914.2	Watercourse	All techniques considered	Haul road crossing of watercourse may be required.
Overhead Utilities Crossing	OUX-27	616738.8	223906.5	11kV Electricity line - UK Power Networks	All techniques considered	N/A
Overhead Utilities Crossing	OUX-28	616740.4	224050.4	11kV Electricity line - UK Power Networks	All techniques considered	N/A
Environmental Obstacle Crossing	EOX-75	616624.7	223984.5	Hedgerow / trees along watercourse	All techniques considered	Crossed in the same crossing as WX-21. Haul road crossing of hedgerow may be required. The Project would try to target gaps in vegetation for haul road / cable route construction.
Watercourse Crossing	WX-21	616624.2	223989.2	Watercourse	All techniques considered	Haul road crossing of watercourse may be required.
Footpath, bridleway or other track crossing	PAT-29	616603.9	224051.2	Public footpath	All techniques considered	Temporary closure / diversion of the public footpath might be required. Haul road crossing could be managed by the use of gates / banksmen etc. May also be crossed in the same crossing as other constraints.
Footpath, bridleway or other track crossing	PAT-30	616577.7	223864.5	Public footpath	All techniques considered	Temporary closure / diversion of the public footpath might be required. Haul road crossing could be managed by the use of gates / banksmen etc. May also be crossed in the same crossing as other constraints.
Overhead Utilities Crossing	OUX-29	616623.8	223745.4	Openreach telecoms line	Trenchless techniques only	Crossed within the same crossing as EOX-76 where already committed to trenchless techniques.
Underground Utilities Crossing	UUX-70	616620.6	223743.4	125mm MDPE Water Main - Affinity Water	Trenchless techniques only	Crossed within the same crossing as EOX-76 where already committed to trenchless techniques.
Road Crossing	RX-14	616617.4	223741.5	B1035 Tendring Road	Trenchless techniques only	Crossed within the same crossing as EOX-76 where already committed to trenchless techniques.
Underground Utilities Crossing	UUX-71	616620.2	223743.2	Affinity Water Main	Trenchless techniques only	Crossed within the same crossing as EOX-76 where already committed to trenchless techniques.
Environmental Obstacle Crossing	EOX-76	616613.3	223738.9	Hedgerow along Tendring Road	Trenchless techniques only	Identified as bat commuting hedgerow therefore trenchless techniques to be considered only.
Environmental Obstacle Crossing	EOX-77	616603.7	223678.3	Hedgerow	Trenchless techniques only	Parallel along cable route and may be avoided in routing. Aim to minimise clearance requirements. Identified as dormouse habitat therefore trenchless techniques only.
Environmental Obstacle Crossing	EOX-78	616328.1	223753.9	Hedge along Whitehall Lane	Trenchless techniques only	Crossed within the same crossing as EOX-79 where already committed to trenchless techniques.
Underground Utilities Crossing	UUX-72	616325.9	223756.7	Affinity Water Main	Trenchless techniques only	Crossed within the same crossing as EOX-79 where already committed to trenchless techniques.
Underground Utilities Crossing	UUX-73	616325.7	223757.1	75mm PVC Water Main - Affinity Water	Trenchless techniques only	Crossed within the same crossing as EOX-79 where already committed to trenchless techniques.
Road Crossing	RX-14A	616324.0	223759.8	Whitehall Lane	Trenchless techniques only	Crossed within the same crossing as EOX-79 where already committed to trenchless techniques.
Environmental Obstacle Crossing	EOX-79	616321.1	223765.9	Hedgerow	Trenchless techniques only	Identified as bat commuting hedgerow therefore trenchless techniques to be considered only.
Environmental Obstacle Crossing	EOX-80	616288.4	223866.0	Hedgerow	Trenchless techniques only	Identified as bat commuting hedgerow therefore trenchless techniques to be considered only.
Other Obstacle Crossing	OOX-17	616276.9	223885.0	Bradley Hall Farm environmental mitigation land	All techniques considered	Further investigation required. Techniques at this location be reviewed during cable corridor refinement.
Environmental Obstacle Crossing	EOX-81	616322.3	223939.4	Pond	All techniques considered	Pond may not be able to be avoided within the cable routing though OOX-17.
Environmental Obstacle Crossing	EOX-82	616207.2	224072.6	Hedgerow along Thorpe Road	Trenchless techniques only	Crossed within the same crossing as RX-15.
Road Crossing	RX-15	616207.3	224076.8	B1035 Thorpe Road	Trenchless techniques only	Decision taken to commit to trenchless crossing of Thorpe Road due to the traffic and transport assessment of diversion etc.
Underground Utilities Crossing	UUX-74	616207.4	224080.3	355mm HPPE Water Main - Affinity Water	Trenchless techniques only	Crossed within the same crossing as RX-15.
Underground Utilities Crossing	UUX-75	616207.4	224080.6	Affinity Water Main	Trenchless techniques only	Crossed within the same crossing as RX-15.
Underground Utilities Crossing	UUX-76	616207.5	224081.9	Abandoned Water Main - Affinity Water	Trenchless techniques only	Crossed within the same crossing as RX-15.
Environmental Obstacle Crossing	EOX-83	616207.4	224083.1	Hedgerow along Thorpe Road	Trenchless techniques only	Crossed within the same crossing as RX-15.
Underground Utilities Crossing	UUX-77	616130.8	224119.2	11kV Electricity line - UK Power Networks	All techniques considered	Parallel to the onshore cable route so may be avoided depending on the routing taken.
Environmental Obstacle Crossing	EOX-84	616130.8	224151.5	A number of young trees planted along the boundaries	All techniques considered	Parallel to the onshore cable route so may be avoided depending on the routing taken.
Environmental Obstacle Crossing	EOX-85	616484.6	224078.2	Woodland block	All techniques considered	No decision on techniques has been made, but assume trenchless crossing of the woodland block. Crossed in the same crossing as RX-16. Assume haul road avoidance of woodland block.
Overhead Utilities Crossing	OUX-30	616472.0	224081.4	Openreach telecoms line	All techniques considered	Crossed within the same crossing as EOX-85 and RX-16.
Underground Utilities Crossing	UUX-78	616470.3	224082.4	Abandoned Water Main - Affinity Water	All techniques considered	Crossed within the same crossing as EOX-85 and RX-16.
Underground Utilities Crossing	UUX-79	616467.9	224085.0	Affinity Water Main	All techniques considered	Crossed within the same crossing as EOX-85 and RX-16.
Underground Utilities Crossing	UUX-80	616467.8	224085.3	355mm HPPE Water Main - Affinity Water	All techniques considered	Crossed within the same crossing as EOX-85 and RX-16.
Road Crossing	RX-16	616467.1	224086.0	Swan Road	All techniques considered	Crossed within the same crossing as EOX-85.
Environmental Obstacle Crossing	EOX-86	616464.7	224088.3	Hedgerow along Swan Road	All techniques considered	Crossed within the same crossing as EOX-85 and RX-16.
Other Obstacle Crossing	OOX-18	616439.8	224111.6	Dalcour Maclaren identified as potential landowner constraint	All techniques considered	Crossed within the same crossing as EOX-85 and RX-16.
Overhead Utilities Crossing	OUX-31	616350.3	224121.8	11kV Electricity line - UK Power Networks	All techniques considered	All options currently being considered. May be crossed at the same time as other constraints depending on the final cable routing.
Underground Utilities Crossing	UUX-81	616355.6	224160.1	150mm PVC Water Main - Affinity Water	All techniques considered	All options currently being considered. May be crossed at the same location as other constraints or avoided depending on the cable routing.
Underground Utilities Crossing	UUX-82	616354.9	224160.2	Affinity Water Main	All techniques considered	Crossed within the same crossing as UUX-81.
Overhead Utilities Crossing	OUX-32	616314.6	224164.2	11kV Electricity line - UK Power Networks	All techniques considered	All options currently being considered. May be crossed at the same time as other constraints depending on the final cable routing.
Environmental Obstacle Crossing	EOX-87	616149.9	224310.2	Hedgerow / mature trees	All techniques considered	Aim to minimise clearance requirements. The Project would try to target gaps in the vegetation for standard trenching and haul road construction.
Environmental Obstacle Crossing	EOX-88	615803.9	224663.0	Hedgerow / mature trees	Trenchless techniques only	Identified as bat commuting hedgerow by an environmental consultant, therefore committed to trenchless techniques. Haul road crossing of the hedgerow / mature trees may be required. The Project would try to target gaps in the vegetation for the haul road construction.
Footpath, bridleway or other track crossing	PAT-31	615798.5	224664.8	Track	Trenchless techniques only	Crossed within the same crossing as EOX-88 where already committed to trenchless techniques.
Footpath, bridleway or other track crossing	PAT-32	615377.4	224992.7	Public footpath	Trenchless techniques only	Crossed within the same crossing as EOX-89 where already committed to trenchless techniques.

Environmental Obstacle Crossing	EOX-89	615360.7	225007.7	Mature trees along Tendring Brook	Trenchless techniques only	Identified as dormouse habitat and bat commuting hedgerow therefore trenchless techniques considered only. Haul road crossing of hedgerow may be required. The Project would try to target gaps in vegetation for haul road construction. Proposed use of existing bridge across Tendring Brook.
Environmental Obstacle Crossing	EOX-90	615426.9	225068.3	Pond	Trenchless techniques only	Crossed within the same crossing as EOX-89 where already committed to trenchless techniques.
Watercourse Crossing	WX-22	615343.8	225016.0	Environment Agency Main River	Trenchless techniques only	Crossed within the same crossing as EOX-89 where already committed to trenchless techniques.
Road Crossing	RX-17	615193.9	225119.4	Lodge Lane	All techniques considered	Trenching proposed with temporary closure of Lodge Lane and vehicular traffic diverted elsewhere.
Environmental Obstacle Crossing	EOX-91	615189.4	225120.7	Hedgerow / mature trees along lane	All techniques considered	Crossed within the same crossing as RX-17. Haul road crossing of hedgerow may be required. The Project would try to target gaps in the vegetation for the haul road construction.
Overhead Utilities Crossing	OUX-33	615184.1	225124.2	Openreach telecoms line	All techniques considered	Crossed within the same crossing as RX-17.
Footpath, bridleway or other track crossing	PAT-33	615020.0	225442.6	Public footpath	All techniques considered	Temporary closure / diversion of the public footpath might be required. Haul road crossing could be managed by the use of gates / banksmen etc. May be crossed in the same crossing as UUX-84.
Underground Utilities Crossing	UUX-83	615027.2	225466.1	Affinity Water Main	All techniques considered	Crossed within the same crossing as UUX-84.
Underground Utilities Crossing	UUX-84	615027.2	225466.3	525mm SI Water Main - Affinity Water	All techniques considered	All trenching options are currently being considered. Trenchless crossing of the Water Main may be required.
Underground Utilities Crossing	UUX-85	615028.2	225468.9	Telecoms line - Affinity Water	All techniques considered	Crossed within the same crossing as UUX-84.
Underground Utilities Crossing	UUX-86	615028.2	225469.2	Cable - Affinity Water	All techniques considered	Crossed within the same crossing as UUX-84.
Other Obstacle Crossing	OOX-20	615086.9	225709.5	Wolves Hall Strip	All techniques considered	Avoidance of the airstrip may be possible. However, within the current corridor boundary and potential for crossing needs to be considered.
Footpath, bridleway or other track crossing	PAT-34	615032.2	225737.9	Track	All techniques considered	Temporary closure / diversion of the track might be required. Haul road crossing could be managed by the use of gates / banksmen etc.
Footpath, bridleway or other track crossing	PAT-35	614869.8	225855.6	Public footpath	All techniques considered	Temporary closure / diversion of the track might be required. Haul road crossing could be managed by the use of gates / banksmen etc.
Environmental Obstacle Crossing	EOX-92	614609.4	226038.5	Hedgerow / mature trees	All techniques considered	Aim to minimise clearance requirements. The Project would try to target gaps in the vegetation for standard trenching and haul road construction.
Environmental Obstacle Crossing	EOX-93	614344.5	226140.9	Mature trees	All techniques considered	Aim to minimise clearance requirements. The Project would try to target gaps in the vegetation for standard trenching and haul road construction.
Road Crossing	RX-18	614442.4	226195.1	Wolves Hall Lane	All techniques considered	All trenching options available. Trenching proposed with the temporary closure of Wolves Hall Lane and vehicular traffic diverted elsewhere.
Environmental Obstacle Crossing	EOX-94	614441.6	226199.5	Hedgerow along Wolves Hall Lane	All techniques considered	Crossed within the same crossing as RX-18.
Environmental Obstacle Crossing	EOX-95	614239.7	226371.1	Hedgerow / mature trees	All techniques considered	Aim to minimise clearance requirements. The Project would try to target gaps in the vegetation for standard trenching and haul road construction.
Footpath, bridleway or other track crossing	PAT-36	614210.6	226349.3	Public footpath	All techniques considered	Temporary closure / diversion of the public footpath might be required. Haul road crossing could be managed by the use of gates / banksmen etc.
Environmental Obstacle Crossing	EOX-96	614132.6	226449.3	Hedgerow / mature trees around pond	All techniques considered	Cable route may be able to avoid mature trees and pond (EOX-97) by routing to the south. Retained within the corridor so all crossing options need to be considered.
Environmental Obstacle Crossing	EOX-97	614108.5	226500.1	Pond	All techniques considered	Cable route may be able to avoid mature trees and pond (EOX-96) by routing to the south. Retained within the corridor so all crossing options need to be considered.
Environmental Obstacle Crossing	EOX-98	613927.9	226718.4	Woodland on southern side of Stones Green Road	Trenchless techniques only	Crossed within the same crossing as EOX-99 where already committed to trenchless crossing techniques. Haul road assumed to avoid woodland.
Overhead Utilities Crossing	OUX-34	613832.3	226700.7	Openreach telecoms line	Trenchless techniques only	Crossed within the same crossing as EOX-99 where already committed to trenchless crossing techniques.
Road Crossing	RX-19	613831.1	226703.3	Stones Green Road	Trenchless techniques only	Crossed within the same crossing as EOX-99 where already committed to trenchless crossing techniques.
Environmental Obstacle Crossing	EOX-99	613829.8	226710.6	Hedgerow along Stones Green Road	Trenchless techniques only	Identified as bat commuting hedgerow therefore committed to trenchless techniques only. Haul road crossing of hedgerow may be required. The Project would try to target gaps in the vegetation for haul road construction.
Underground Utilities Crossing	UUX-87	613829.6	226711.8	Cable - Affinity Water	Trenchless techniques only	Crossed within the same crossing as EOX-99 where already committed to trenchless crossing techniques.
Underground Utilities Crossing	UUX-88	613829.5	226712.1	Telecoms line - Affinity Water	Trenchless techniques only	Crossed within the same crossing as EOX-99 where already committed to trenchless crossing techniques.
Underground Utilities Crossing	UUX-89	613829.1	226714.3	Affinity Water Main	Trenchless techniques only	Crossed within the same crossing as EOX-99 where already committed to trenchless crossing techniques.
Underground Utilities Crossing	UUX-90	613829.1	226714.4	450mm SI Water Main - Affinity Water	Trenchless techniques only	Crossed within the same crossing as EOX-99 where already committed to trenchless crossing techniques.
Footpath, bridleway or other track crossing	PAT-37	613647.2	226987.5	Public footpath	All techniques considered	Temporary closure / diversion of the public footpath might be required.
Overhead Utilities Crossing	OUX-35	613640.4	227007.9	11kV Electricity line - UK Power Networks	All techniques considered	Standard trenching / haul road construction.
Footpath, bridleway or other track crossing	PAT-38	613442.3	227231.9	Public footpath	All techniques considered	Temporary closure / diversion of the public footpath might be required.
Overhead Utilities Crossing	OUX-36	613190.5	227405.9	11kV Electricity line - UK Power Networks	All techniques considered	Standard trenching / haul road construction.
Underground Utilities Crossing	UUX-91	612943.6	227442.8	Openreach telecoms line	All techniques considered	May be crossed in the same crossing as RX-20. Crossed separately further south or not crossed at all depending on the cable route alignment.
Footpath, bridleway or other track crossing	PAT-39	612939.2	227442.3	Public footpath	All techniques considered	May be crossed in the same crossing as RX-20. Crossed separately further south or not crossed at all depending on the cable route alignment. Temporary closure / diversion of the public footpath might be required. Haul road crossing could be managed by the use of gates / banksmen etc.
Environmental Obstacle Crossing	EOX-100	612997.1	227491.5	Hedge along the A120	Trenchless techniques only	May be crossed in the same crossing as RX-20.
Underground Utilities Crossing	UUX-92	612996.1	227493.5	Openreach telecoms line	Trenchless techniques only	May be crossed in the same crossing as RX-20.
Underground Utilities Crossing	UUX-93	612995.4	227495.4	450mm CI Water Main - Affinity Water	Trenchless techniques only	May be crossed in the same crossing as RX-20.
Underground Utilities Crossing	UUX-94	612995.3	227495.7	Affinity Water Main	Trenchless techniques only	May be crossed in the same crossing as RX-20.
Road Crossing	RX-20	612993.7	227501.3	A120	Trenchless techniques only	Assume HDD or other trenchless techniques required for crossing the A120.
Environmental Obstacle Crossing	EOX-101	612989.2	227511.9	Hedge along the A120	Trenchless techniques only	May be crossed in the same crossing as RX-20.
Underground Utilities Crossing	UUX-95	612816.9	227448.4	Electricity Service Cables	Trenchless techniques only	May be crossed in the same crossing as RX-20.
Overhead Utilities Crossing	OUX-37	612560.3	227971.2	11kV Electricity line - UK Power Networks	All techniques considered	N/A
Footpath, bridleway or other track crossing	PAT-40	612558.8	227971.1	Track	All techniques considered	Crossed within the same crossing as OUX-17
Overhead Utilities Crossing	OUX-38	612600.7	228058.9	11kV Electricity line - UK Power Networks	All techniques considered	N/A
Environmental Obstacle Crossing	EOX-102	612316.7	227794.2	Hedgerow	All techniques considered	Aim to minimise clearance requirements. The Project would try to target gaps in the vegetation for standard trenching and haul road construction.
Environmental Obstacle Crossing	EOX-103	612381.4	227891.6	Woodland	Trenchless techniques only	Environmental consultant has requested for the Project to commit to a trenchless crossing. Routing around woodland would be preferred.
Environmental Obstacle Crossing	EOX-104	612313.7	227962.9	Hedgerow / mature trees	All techniques considered	Parallel along cable route and may be avoided in routing. Aim to minimise clearance requirements. The Project would try to target gaps in the vegetation for standard trenching and haul road construction.
Environmental Obstacle Crossing	EOX-105	612293.1	228041.4	Hedgerow	All techniques considered	Aim to minimise clearance requirements. The Project would try to target gaps in the vegetation for standard trenching and haul road construction.
Underground Utilities Crossing	UUX-96	612274.1	227979.1	Asbestos distribution main - Affinity Water	All techniques considered	Crossed within the same crossing as UUX-97.

Underground Utilities Crossing	UUX-97	612272.9	227979.4	400mm AC Water Main - Affinity Water	All techniques considered	Trenchless crossing of Water Main may be required.
Underground Utilities Crossing	UUX-98	612272.0	227979.6	Cable - Affinity Water	All techniques considered	Crossed within the same crossing as UUX-97.
Underground Utilities Crossing	UUX-99	612270.3	227979.8	Telecoms line - Affinity Water	All techniques considered	Crossed within the same crossing as UUX-97.
Environmental Obstacle Crossing	EOX-106	612097.0	227966.7	Hedgerow along Clacton Road	Trenchless techniques only	Crossed within the same crossing as RX-21. Haul road crossing of hedgerow may be required. The Project would try to target gaps in the vegetation for haul road construction.
Underground Utilities Crossing	UUX-100	612095.9	227966.8	Affinity Water Main	Trenchless techniques only	Crossed within the same crossing as RX-21.
Underground Utilities Crossing	UUX-101	612095.5	227966.8	250mm HPPE Water Main - Affinity Water	Trenchless techniques only	Crossed within the same crossing as RX-21.
Underground Utilities Crossing	UUX-102	612095.2	227966.8	Openreach telecoms line	Trenchless techniques only	Crossed within the same crossing as RX-21.
Underground Utilities Crossing	UUX-103	612094.0	227966.9	Cable - Affinity Water	Trenchless techniques only	Crossed within the same crossing as RX-21.
Underground Utilities Crossing	UUX-104	612093.5	227967.0	Telecoms line - Affinity Water	Trenchless techniques only	Crossed within the same crossing as RX-21.
Underground Utilities Crossing	UUX-105	612089.0	227967.3	Affinity Water Main	Trenchless techniques only	Crossed within the same crossing as RX-21.
Underground Utilities Crossing	UUX-106	612088.4	227967.3	525mm CI Water Main - Affinity Water	Trenchless techniques only	Crossed within the same crossing as RX-21.
Road Crossing	RX-21	612086.4	227967.5	B1035 Clacton Road	Trenchless techniques only	Decision taken to commit to trenchless crossing of Clacton Road due to the traffic and transport assessment of diversion etc.
Underground Utilities Crossing	UUX-107	612003.3	227966.1	500mm DI Water Main - Affinity Water	All techniques considered	Trenchless crossing of the Water Main may be required. Likely to be crossed in the same crossing as RX-21 or a separate crossing depending on the cable routing alignment.
Underground Utilities Crossing	UUX-108	612002.5	227966.0	Affinity Water Main	All techniques considered	Crossed within the same crossing as UUX-107.
Underground Utilities Crossing	UUX-109	612000.4	227965.4	Telecoms line - Affinity Water	All techniques considered	Crossed within the same crossing as UUX-107.
Underground Utilities Crossing	UUX-110	611999.7	227965.3	Cable - Affinity Water	All techniques considered	Crossed within the same crossing as UUX-107.
Underground Utilities Crossing	UUX-111	611997.5	227964.9	Abandoned Water Main - Affinity Water	All techniques considered	Crossed within the same crossing as UUX-107.
Environmental Obstacle Crossing	EOX-107	611680.3	227877.6	Pond / reservoir	Trenchless techniques only	Pond / reservoir to be avoided within cable routing.
Environmental Obstacle Crossing	EOX-108	611742.7	227697.3	Hedgerow / mature trees	All techniques considered	Assume crossing within the same crossing as WX-23 where already committed to trenchless techniques or may be crossed separately. Haul road crossing of hedgerow may be required. The Project would try to target gaps in the vegetation for the cable route / haul road construction.
Footpath, bridleway or other track crossing	PAT-41	611736.4	227695.9	Track	All techniques considered	Assume crossing within the same crossing as WX-23 where already committed to trenchless techniques or may be crossed separately. Haul road crossing of track could be managed by the use of gates / banksmen etc.
Watercourse Crossing	WX-23	611683.4	227680.8	Watercourse	Trenchless techniques only	Identified as a watercourse with water vole presence therefore committed to trenchless techniques. Haul road crossing of the watercourse may be required.
Environmental Obstacle Crossing	EOX-109	611384.0	227580.0	Hedgerow / mature trees	All techniques considered	Aim to minimise clearance requirements. The Project would try to target gaps in the vegetation for standard trenching and haul road construction.
Environmental Obstacle Crossing	EOX-110	611238.6	227509.4	Hedgerow / mature trees	All techniques considered	Aim to minimise clearance requirements. The Project would try to target gaps in the vegetation for standard trenching and haul road construction.
Footpath, bridleway or other track crossing	PAT-42	611063.8	227499.9	Path	All techniques considered	Temporary closure / diversion of the footpath might be required. Haul road crossing could be managed by the use of gates / banksmen etc.
Environmental Obstacle Crossing	EOX-111	610562.4	227422.8	Trees along Bentley Road	Trenchless techniques only	Crossed within the same crossing as RX-22.
Road Crossing	RX-22	610504.1	227505.4	Bentley Road	Trenchless techniques only	Decision taken to commit to trenchless crossing of Bentley Road due to the traffic and transport assessment of diversion etc.
Overhead Utilities Crossing	OUX-39	610498.0	227503.0	Openreach telecoms line	Trenchless techniques only	Crossed within the same crossing as RX-22.
Road Crossing	RX-23	610187.3	227336.7	Payne's Lane	All techniques considered	Trenching proposed with temporary closure of Payne's Lane and vehicular traffic diverted elsewhere.
Footpath, bridleway or other track crossing	PAT-43	610216.0	227237.7	Public footpath	All techniques considered	May be crossed within the same crossing as RX-22 or requirement for the crossing to be avoided. Temporary closure / diversion of the public footpath might be required. Haul road crossing could be managed by the use of gates / banksmen etc.
Overhead Utilities Crossing	OUX-40	610133.0	227243.2	132kV Electricity line - UK Power Networks	All techniques considered	All options currently being considered. May be avoided or crossed at the same time as other constraints depending on the final cable routing. It is considered that the 132kV overhead lines are not a suitable diversion.
Footpath, bridleway or other track crossing	PAT-44	610112.6	227278.9	Path	All techniques considered	Requirement for crossing may be avoided depending on the final cable routing.
Footpath, bridleway or other track crossing	PAT-45	610104.4	227319.4	Path	All techniques considered	Requirement for crossing may be avoided depending on the final cable routing.
Environmental Obstacle Crossing	EOX-112	610049.2	227298.7	Hedgerow / mature trees	All techniques considered	Requirement for crossing may be avoided depending on the final cable routing.
Overhead Utilities Crossing	OUX-41	610062.4	227363.5	11kV Electricity line - UK Power Networks	All techniques considered	Standard trenching / haul road construction.
Footpath, bridleway or other track crossing	PAT-46	609768.2	227453.7	Path	All techniques considered	Temporary closure / diversion of the path might be required. Haul road crossing could be managed by the use of gates / banksmen etc.
Overhead Utilities Crossing	OUX-42	609643.9	227478.8	Openreach telecoms line	All techniques considered	Crossed within the same crossing as RX-24.
Road Crossing	RX-24	609638.9	227480.0	Spratts Lane	All techniques considered	Trenching proposed with temporary closure of Spratts Lane and vehicular traffic diverted elsewhere.
Environmental Obstacle Crossing	EOX-113	609631.9	227481.3	Hedgerow along Spratts Lane	All techniques considered	Crossed within the same crossing as RX-24.
Footpath, bridleway or other track crossing	PAT-47	609300.3	227639.1	Public footpath	All techniques considered	Temporary closure / diversion of the path might be required. Haul road crossing could be managed by the use of gates / banksmen etc.
Road Crossing	RX-25	608978.4	227670.5	Barlon Road	All techniques considered	Trenching proposed with temporary closure of Barlon Road and vehicular traffic diverted elsewhere.
Footpath, bridleway or other track crossing	PAT-48	608620.2	227900.8	Public footpath	All techniques considered	Temporary closure / diversion of the path might be required. Haul road crossing could be managed by the use of gates / banksmen etc.
Environmental Obstacle Crossing	EOX-114	608478.6	228197.2	Hedgerow / mature trees	All techniques considered	Aim to minimise clearance requirements. The Project would try to target gaps in the vegetation for standard trenching and haul road construction.
Environmental Obstacle Crossing	EOX-115	608257.8	228192.1	Hedgerow / mature trees	Trenchless techniques only	Identified as bat commuting hedgerow therefore committed to trenchless techniques only. Requirement for crossing may be avoided depending on the final cable route alignment.
Watercourse Crossing	WX-24	608288.8	228357.7	Watercourse	All techniques considered	All options are currently being considered. Haul road crossing of the watercourse may be required.
Overhead Utilities Crossing	OUX-43	608270.7	228382.8	11kV Electricity line - UK Power Networks	All techniques considered	Standard trenching / haul road construction.
Overhead Utilities Crossing	OUX-44	608046.0	228352.2	11kV Electricity line - UK Power Networks	All techniques considered	Crossing may be avoided depending on final cable route alignment.
Watercourse Crossing	WX-25	608039.8	228352.0	Watercourse	All techniques considered	Crossing may be avoided depending on final cable route alignment.
Footpath, bridleway or other track crossing	PAT-49	608000.5	228432.5	Public footpath	All techniques considered	Crossing may be avoided depending on final cable routing.
Other Obstacle Crossing	OOX-19	607955.7	228440.7	Potentially disused farm buildings	All techniques considered	Cable route likely to avoid the potentially disused farm buildings however potential for routing through them needs to be retained for now.
Footpath, bridleway or other track crossing	PAT-50	607987.4	228501.1	Track	All techniques considered	Crossing may be avoided depending on final cable routing.
Road Crossing	RX-26	608019.7	228550.9	Ardleigh Road	All techniques considered	Trenching proposed with temporary closure of Ardleigh Road and vehicular traffic diverted elsewhere.
Overhead Utilities Crossing	OUX-45	608019.0	228552.2	Openreach telecoms line	All techniques considered	Crossed within the same crossing as RX-26.
Underground Utilities Crossing	UUX-112	607986.4	228538.1	Openreach telecoms line	All techniques considered	Crossed within the same crossing as RX-26.
Underground Utilities Crossing	UUX-113	607987.0	228541.9	33kV Electricity line - UK Power Networks	All techniques considered	Crossed within the same crossing as RX-26.
Underground Utilities Crossing	UUX-114	607987.2	228543.0	33kV Electricity line - UK Power Networks	All techniques considered	Crossed within the same crossing as RX-26.
Underground Utilities Crossing	UUX-138	607765.3	228911.4	Openreach telecoms line	All techniques considered	Crossed within the same crossing as RX-31.
Underground Utilities Crossing	UUX-139	607765.2	228911.9	Openreach telecoms line	All techniques considered	Crossed within the same crossing as RX-31.
Road Crossing	RX-31	607762.6	228918.4	Grange Road	All techniques considered	Trenching proposed with temporary closure of Grange Road and vehicular traffic diverted elsewhere.
Overhead Utilities Crossing	OUX-52	607761.6	228920.2	132kV Electricity line - UK Power Networks	All techniques considered	Crossed within the same crossing as RX-31.

Environmental Obstacle Crossing	EOX-129	607758.9	228926.1	Hedgerow along Grange Road	All techniques considered	Crossed within the same crossing as RX-31.
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