

Appendix 19-P1B-1: Part 1b Predicted Construction Noise Levels

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Appendix 19-P1B-1: Part 1b Predicted Construction Noise Levels

1. Introduction

- 1.1.1 This appendix lists the predicted construction noise levels for Part 1b of the Proposed Development.
- 1.1.2 For pipeline construction works a non-location specific 3-dimensional noise model was constructed using CadnaA 2025 acoustic modelling software. This model was used to predict noise levels at receptor locations at various nominal distances from the works on different days as the works progress along the pipeline route at a rate of 30 metres (m) per day (i.e. adjacent to the receptor on day 1, 30 m along the canal on day two, etc.).

2. Predicted Construction Noise Levels

- 2.1.1 The predictions exceeding the most stringent criterion of 65 dB $L_{Aeq,10hr}$ and therefore considered Moderate or Major impacts are highlighted **bold red** in **Table 1**.
- 2.1.2 **Table 2** provides the predicted construction noise levels from trenchless crossings during the daytime.
- 2.1.3 Contributions from access roads are included in all scenarios presented to ensure a worst case is considered. Furthermore, contributions from the construction of Part 1a are also included in the levels presented to cover any potential overlap in programme.
- 2.1.4 **Table 3** provides the predicted construction noise levels from trenchless crossings during the evening time.
- 2.1.5 **Table 4** provides the predicted construction noise levels from trenchless crossings during the night time.
- 2.1.6 **Table 5** provides the predicted construction noise levels from the proposed Break Pressure Tank (BPT).

Table 1: Summary of predictions exceeding the most stringent criterion of 65 dB $L_{Aeq,10hr}$

Approximate distance in metres (m) from closest approach of works to receptor (along pipeline route)	ABC Category	Criterion	Predicted Noise Level (dB $L_{Aeq,T}$) at Nominal Distances from Pipeline Route						
			10 m	50 m	100 m	150 m	200 m	250 m	300 m
270 m	A	65	57	56	56	55	54	53	52
240 m	A	65	58	57	57	56	55	53	52
210 m	A	65	59	59	58	57	55	54	53
180 m	A	65	61	60	59	57	56	55	53
150 m	A	65	63	62	60	58	57	55	54
120 m	A	65	66	64	62	59	57	56	54
90 m	A	65	69	66	63	60	58	56	54
60 m	A	65	74	68	64	61	58	56	55
30 m	A	65	78	70	65	61	59	56	55
0 m	A	65	78	70	65	61	59	56	55
30 m	A	65	78	70	65	61	59	56	55
60 m	A	65	74	68	64	61	58	56	55
90 m	A	65	69	66	63	60	58	56	54
120 m	A	65	66	64	62	59	57	56	54
150 m	A	65	63	62	60	58	57	55	54
180 m	A	65	61	60	59	58	56	55	53
210 m	A	65	59	59	58	57	55	54	53
240 m	A	65	58	58	57	56	55	54	52
270 m	A	65	57	56	56	55	54	53	52

Table 2: Part 1b Predicted Noise Levels from Construction of Trenchless Crossings – Daytime

Receptor ID	Receptor Type	Coordinates (British National Grid)		ABC Category	Criterion	Predicted Daytime Noise Level (dB LAeq,T)											Max. Daytime Noise Level (LAeq,10hr)	Magnitude of Impact
		X (Easting)	Y (Northing)			Trenchless Crossings Drive Pit Piling	Trenchless Crossings Reception Pit Piling	Trenchless Crossings Pipe-jacking & Ground-works	AWTP or BPT Pipe-Laying	AWTP or BPT Piling	AWTP or BPT Earthworks	AWTP or BPT FRC Precast	AWTP or BPT Planting	AWTP or BPT MEICA fit out	AWTP or BPT Dry Wet Testing	AWTP Structural or BPT Reinstatement Earthworks		
AWTP_125	Residential	418180	291471	A	65	43	46	34	37	44	34	35	33	33	29	32	46	Negligible
AWTP_126	Residential	418202	291481	A	65	43	45	34	39	44	37	38	35	36	31	34	45	Negligible
AWTP_127	Residential	418209	291480	A	65	43	45	34	39	44	37	38	35	36	31	34	45	Negligible
AWTP_128	Residential	418217	291479	A	65	43	45	34	39	44	36	38	35	36	31	34	45	Negligible
AWTP_129	Residential	418226	291482	A	65	45	45	36	39	44	36	38	35	36	31	34	45	Negligible
AWTP_130	Residential	418386	292281	A	65	78	61	70	61	70	60	61	60	61	60	60	78	Major
AWTP_131	Residential	418311	292279	A	65	68	68	63	64	70	64	64	64	64	64	64	70	Moderate
AWTP_132	Residential	418157	292371	A	65	52	54	43	60	65	56	57	55	57	51	53	65	Minor
AWTP_133	Residential	418067	292366	A	65	51	51	42	61	62	55	57	54	57	50	53	62	Minor
AWTP_134	Residential	418058	292366	A	65	49	48	40	51	55	46	47	44	47	39	43	55	Negligible
AWTP_135	Residential	418049	292369	A	65	50	50	41	60	62	54	56	53	56	49	52	62	Minor
AWTP_136	Residential	418038	292371	A	65	47	46	38	59	57	53	55	52	55	47	51	59	Negligible
AWTP_137	Residential	418025	292388	A	65	50	51	41	53	53	49	51	48	50	44	47	53	Negligible
AWTP_138	Residential	417998	292374	A	65	47	46	38	60	59	54	56	53	56	48	52	60	Negligible
AWTP_139	Residential	417920	292402	A	65	46	46	37	57	58	52	54	51	54	46	49	58	Negligible
AWTP_140	Residential	417879	292388	A	65	50	49	42	57	57	52	54	51	54	46	49	57	Negligible
NL_PL_001	Residential	418602	292166	A	65	53	70	44	48	52	47	47	47	47	47	47	70	Moderate
NL_PL_002	Non-Residential	419175	292312	A	65	59	60	51	48	51	48	48	48	48	48	48	60	Negligible
NL_PL_003	Non-Residential	419223	292291	A	65	58	59	50	48	51	47	47	47	47	47	47	59	Negligible
NL_PL_004	Residential	418896	292737	A	65	67	68	59	51	51	51	51	51	51	51	51	68	Moderate
NL_PL_005	Residential	418895	292729	A	65	67	68	59	54	54	54	54	54	54	54	54	68	Moderate
NL_PL_006	Residential	420070	293271	A	65	60	45	51	45	45	45	45	45	45	45	45	60	Negligible
NL_PL_007	Residential	420077	293268	A	65	50	51	41	43	43	43	43	43	43	43	43	51	Negligible
NL_PL_008	Non-Residential	420255	293153	A	65	57	53	46	33	33	33	33	33	33	33	33	57	Negligible
NL_PL_009	Residential	419563	293723	A	65	54	51	45	38	38	38	38	38	38	38	38	54	Negligible
NL_PL_010	Residential	420280	293470	A	65	66	69	57	58	58	58	58	58	58	58	58	69	Moderate
NL_PL_011	Residential	420289	293467	A	65	66	69	57	57	57	57	57	57	57	57	57	69	Moderate
NL_PL_012	Non-Residential	420295	293464	A	65	66	70	57	56	56	56	56	56	56	56	56	70	Moderate
NL_PL_013	Residential	420280	293437	A	65	64	52	52	45	45	45	45	45	45	45	45	64	Minor
NL_PL_014	Residential	420287	293419	A	65	56	51	46	44	44	44	44	44	44	44	44	56	Negligible
NL_PL_015	Residential	420278	293401	A	65	61	50	50	39	39	39	39	39	39	39	39	61	Minor
NL_PL_016	Residential	420277	293393	A	65	61	53	49	39	39	39	39	39	39	39	39	61	Minor
NL_PL_017	Residential	420277	293386	A	65	62	52	51	41	41	41	41	41	41	41	41	62	Minor

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NL_PL_018	Residential	420276	293379	A	65	60	51	49	39	39	39	39	39	39	39	39	60	Negligible
NL_PL_019	Residential	420266	293363	A	65	61	54	49	40	40	40	40	40	40	40	40	61	Minor
NL_PL_020	Residential	420248	293339	A	65	60	54	48	39	39	39	39	39	39	39	39	60	Negligible
NL_PL_021	Residential	420333	293430	A	65	65	71	55	52	52	52	52	52	52	52	52	71	Major
NL_PL_022	Non-Residential	420364	293422	A	65	56	55	45	36	36	36	36	36	36	36	36	56	Negligible
NL_PL_023	Residential	420375	293420	A	65	66	56	58	35	35	35	35	35	35	35	35	66	Moderate
NL_PL_024	Residential	420386	293420	A	65	69	58	61	36	36	36	36	36	36	36	36	69	Moderate
NL_PL_025	Residential	420400	293420	A	65	70	55	61	39	39	39	39	39	39	39	39	70	Moderate
NL_PL_026	Residential	420414	293424	A	65	71	54	62	38	38	38	38	38	38	38	38	71	Major
NL_PL_027	Residential	420427	293423	A	65	71	55	63	37	37	37	37	37	37	37	37	71	Major
NL_PL_028	Residential	420446	293427	A	65	68	55	59	36	36	36	36	36	36	36	36	68	Moderate
NL_PL_029	Residential	420460	293430	A	65	74	55	66	33	33	33	33	33	33	33	33	74	Major
NL_PL_030	Residential	420478	293435	A	65	74	60	66	34	34	34	34	34	34	34	34	74	Major
NL_PL_031	Residential	420541	293406	A	65	70	61	61	33	33	33	33	33	33	33	33	70	Moderate
NL_PL_032	Residential	420494	293402	A	65	67	54	58	35	35	35	35	35	35	35	35	67	Moderate
NL_PL_033	Residential	420467	293390	A	65	61	52	51	35	35	35	35	35	35	35	35	61	Minor
NL_PL_034	Residential	420426	293385	A	65	61	56	52	35	35	35	35	35	35	35	35	61	Minor
NL_PL_035	Residential	420443	293377	A	65	62	52	52	35	35	35	35	35	35	35	35	62	Minor
NL_PL_036	Residential	420411	293384	A	65	61	55	52	35	35	35	35	35	35	35	35	61	Minor
NL_PL_037	Residential	420374	293378	A	65	59	54	50	34	34	34	34	34	34	34	34	59	Negligible
NL_PL_038	Residential	420335	293379	A	65	59	58	49	44	44	44	44	44	44	44	44	59	Negligible
NL_PL_039	Residential	420323	293376	A	65	56	57	47	45	45	45	45	45	45	45	45	57	Negligible
NL_PL_040	Residential	420312	293372	A	65	54	62	45	44	44	44	44	44	44	44	44	62	Minor
NL_PL_041	Residential	420299	293370	A	65	55	64	46	43	43	43	43	43	43	43	43	64	Minor
NL_PL_042	Residential	420281	293349	A	65	52	62	43	39	39	39	39	39	39	39	39	62	Minor
NL_PL_043	Residential	419821	293993	A	65	56	52	48	37	37	37	37	37	37	37	37	56	Negligible
NL_PL_044	Residential	420318	294063	A	65	56	54	48	37	37	37	37	37	37	37	37	56	Negligible
NL_PL_046	Residential	421258	292909	A	65	50	57	41	38	38	38	38	38	38	38	38	57	Negligible
NL_PL_047	Residential	421413	292919	A	65	47	47	38	35	35	35	35	35	35	35	35	47	Negligible
NL_PL_048	Residential	421431	292948	A	65	46	54	38	34	34	34	34	34	34	34	34	54	Negligible
NL_PL_049	Residential	421383	292928	A	65	46	54	38	35	35	35	35	35	35	35	35	54	Negligible
NL_PL_050	Residential	421863	293231	C	75	49	48	40	33	33	33	33	33	33	33	33	49	Negligible
NL_PL_059	Residential	421589	293411	C	75	58	56	47	37	37	37	37	37	37	37	37	58	Negligible
NL_PL_052	Residential	421792	293435	C	75	61	59	51	41	41	41	41	41	41	41	41	61	Negligible
NL_PL_053	Residential	421798	293427	C	75	44	43	35	40	40	40	40	40	40	40	40	44	Negligible
NL_PL_054	Residential	421646	293674	C	75	45	51	37	37	37	37	37	37	37	37	37	51	Negligible

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NL_PL_055	Residential	421637	293689	C	75	45	51	36	37	37	37	37	37	37	37	37	51	Negligible
NL_PL_056	Residential	421675	293719	C	75	51	55	42	37	37	37	37	37	37	37	37	55	Negligible
NL_PL_057	Residential	421669	293734	C	75	57	52	46	36	36	36	36	36	36	36	36	57	Negligible
NL_PL_058	Residential	421640	293785	C	75	57	56	47	35	35	35	35	35	35	35	35	57	Negligible
NL_PL_051	Residential	421627	293802	C	75	45	50	36	34	34	34	34	34	34	34	34	50	Negligible
NL_PL_060	Residential	422302	293598	A	65	50	53	41	39	39	39	39	39	39	39	39	53	Negligible
NL_PL_061	Residential	422658	293724	A	65	51	52	44	41	41	41	41	41	41	41	41	52	Negligible
NL_PL_062	Residential	422751	293782	A	65	46	47	37	36	36	36	36	36	36	36	36	47	Negligible
NL_PL_063	Residential	422326	294505	A	65	49	50	41	38	38	38	38	38	38	38	38	50	Negligible
NL_PL_064	Residential	423433	294369	A	65	45	45	40	45	45	45	45	45	45	45	45	45	Negligible
NL_PL_065	Residential	424157	293692	A	65	32	32	27	32	32	32	32	32	32	32	32	32	Negligible
NL_PL_066	Residential	423311	294882	A	65	43	44	37	40	40	40	40	40	40	40	40	44	Negligible
NL_PL_067	Residential	424416	294456	A	65	35	35	30	35	35	35	35	35	35	35	35	35	Negligible
NL_PL_068	Residential	424220	294676	A	65	40	40	35	40	40	40	40	40	40	40	40	40	Negligible
NL_PL_069	Residential	424137	294735	A	65	42	42	37	42	42	42	42	42	42	42	42	42	Negligible
NL_PL_070	Residential	424037	294733	A	65	52	52	47	52	52	52	52	52	52	52	52	52	Negligible
NL_PL_071	Residential	423985	294756	A	65	56	56	51	56	56	56	56	56	56	56	56	56	Negligible
NL_PL_072	Residential	424037	294783	A	65	48	48	43	48	48	48	48	48	48	48	48	48	Negligible
NL_PL_073	Residential	423389	295062	A	65	40	43	35	40	40	40	40	40	40	40	40	43	Negligible
NL_PL_074	Non-Residential	424087	294765	A	65	41	41	36	41	41	41	41	41	41	41	41	41	Negligible
NL_PL_075	Residential	424882	294665	A	65	27	27	22	27	27	27	27	27	27	27	27	27	Negligible
NL_PL_076	Residential	424926	294730	A	65	25	25	20	25	25	25	25	25	25	25	25	25	Negligible
NL_PL_077	Residential	424904	294727	A	65	25	25	20	25	25	25	25	25	25	25	25	25	Negligible
NL_PL_078	Non-Residential	424926	294704	A	65	24	24	19	24	24	24	24	24	24	24	24	24	Negligible
NL_PL_079	Non-Residential	424943	294710	A	65	24	24	19	24	24	24	24	24	24	24	24	24	Negligible
NL_PL_080	Residential	424929	294697	A	65	26	26	21	26	26	26	26	26	26	26	26	26	Negligible
NL_PL_081	Non-Residential	424274	295073	A	65	36	36	31	36	36	36	36	36	36	36	36	36	Negligible
NL_PL_082	Residential	425147	294857	A	65	23	23	18	23	23	23	23	23	23	23	23	23	Negligible
NL_PL_083	Residential	425198	294849	A	65	23	23	18	23	23	23	23	23	23	23	23	23	Negligible
NL_PL_084	Residential	425230	294867	A	65	22	22	17	22	22	22	22	22	22	22	22	22	Negligible
NL_PL_085	Residential	425233	294894	A	65	24	24	19	24	24	24	24	24	24	24	24	24	Negligible
NL_PL_086	Residential	424875	295560	A	65	26	26	21	26	26	26	26	26	26	26	26	26	Negligible
NL_PL_087	Residential	426376	295431	B	70	44	44	39	44	44	44	44	44	44	44	44	44	Negligible

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NL_PL_088	Non-Residential	426595	296072	B	70	45	43	39	43	43	43	43	43	43	43	43	45	Negligible
NL_PL_089	Non-Residential	426613	296054	B	70	45	44	39	43	43	43	43	43	43	43	43	45	Negligible
NL_PL_090	Residential	425103	295954	A	65	26	26	21	26	26	26	26	26	26	26	26	26	Negligible
NL_PL_091	Residential	427048	296252	B	70	47	45	41	46	46	46	46	46	46	46	46	47	Negligible
NL_PL_092	Residential	427079	296260	B	70	48	45	41	45	45	45	45	45	45	45	45	48	Negligible
NL_PL_093	Residential	427360	296318	B	70	50	38	41	38	39	39	39	38	38	38	38	50	Negligible
NL_PL_094	Residential	427444	296415	B	70	50	44	40	37	37	37	37	37	37	37	37	50	Negligible
NL_PL_095	Residential	427407	296452	B	70	51	46	42	37	38	37	38	37	37	37	37	51	Negligible
NL_PL_096	Residential	427542	296400	B	70	51	41	42	36	37	36	37	36	36	36	36	51	Negligible
NL_PL_097	Residential	427583	296413	B	70	53	45	44	38	39	39	39	38	38	38	38	53	Negligible
NL_PL_098	Residential	427615	296422	B	70	56	47	47	42	43	42	42	42	42	42	42	56	Negligible
NL_PL_099	Residential	427673	296453	B	70	56	49	48	46	46	46	46	46	46	46	46	56	Negligible
NL_PL_100	Residential	427679	296457	B	70	56	48	48	46	46	46	46	46	46	46	46	56	Negligible
NL_PL_101	Residential	427688	296462	B	70	56	50	48	47	47	47	47	47	47	47	47	56	Negligible
NL_PL_102	Residential	427694	296465	B	70	57	52	50	48	48	48	48	48	48	47	47	57	Negligible
NL_PL_103	Residential	427701	296467	B	70	57	52	49	48	49	48	48	48	48	48	48	57	Negligible
NL_PL_104	Residential	427772	296561	B	70	60	56	52	53	53	53	53	53	53	53	53	60	Negligible
NL_PL_105	Residential	427661	296762	B	70	56	49	48	43	44	43	44	43	43	43	43	56	Negligible
NL_PL_106	Residential	427993	296722	A	65	63	54	55	47	48	47	47	47	47	47	47	63	Minor
NL_PL_107	Residential	427969	296717	A	65	62	54	53	46	47	47	47	47	47	46	46	62	Minor
NL_PL_108	Residential	428023	296796	A	65	62	56	54	42	49	44	45	44	44	37	37	62	Minor
NL_PL_109	Residential	428005	296811	A	65	60	46	52	43	49	44	45	44	44	37	37	60	Negligible
NL_PL_110	Residential	427992	296825	A	65	60	45	52	43	49	44	45	44	44	37	37	60	Negligible
NL_PL_111	Residential	427979	296835	A	65	60	45	52	42	48	43	45	44	44	36	36	60	Negligible
NL_PL_112	Residential	427970	296849	A	65	60	47	52	41	48	43	44	43	43	36	36	60	Negligible
NL_PL_113	Residential	428147	296863	A	65	51	61	41	45	51	46	48	47	47	41	41	61	Minor
NL_PL_114	Residential	428146	296868	A	65	52	43	42	41	48	43	44	43	43	36	36	52	Negligible
NL_PL_115	Residential	428144	296873	A	65	52	43	42	45	51	46	48	47	47	39	39	52	Negligible
NL_PL_116	Residential	428143	296877	A	65	52	43	43	46	53	47	49	48	48	41	41	53	Negligible
NL_PL_117	Residential	428141	296883	A	65	52	42	42	46	52	47	49	48	48	41	41	52	Negligible
NL_PL_118	Residential	428140	296888	A	65	52	43	43	45	51	46	48	47	47	40	40	52	Negligible
NL_PL_119	Residential	428155	296940	A	65	50	58	40	40	46	42	43	42	42	35	35	58	Negligible
NL_PL_120	Residential	428164	296943	A	65	47	47	38	45	51	46	48	47	47	40	40	51	Negligible
NL_PL_121	Residential	428171	296955	A	65	48	49	38	39	45	40	41	40	40	34	34	49	Negligible
NL_PL_122	Non-Residential	428173	296959	A	65	49	49	39	42	48	43	45	44	44	36	36	49	Negligible

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NL_PL_123	Residential	427959	296858	A	65	58	47	50	41	47	42	44	43	43	36	36	58	Negligible
NL_PL_124	Residential	427943	296871	A	65	58	48	49	45	47	45	45	45	45	44	44	58	Negligible
NL_PL_125	Residential	427920	296889	A	65	58	50	49	41	47	42	44	43	43	36	36	58	Negligible
NL_PL_126	Residential	427897	296904	A	65	58	45	50	41	47	42	43	43	43	36	36	58	Negligible
NL_PL_127	Residential	427891	296904	A	65	50	43	41	41	47	42	43	43	43	36	36	50	Negligible
NL_PL_128	Residential	427886	296909	A	65	48	47	41	41	47	42	44	43	43	36	36	48	Negligible
NL_PL_129	Residential	427876	296913	A	65	43	41	35	39	45	40	42	41	41	34	34	45	Negligible
NL_PL_130	Residential	427872	296917	A	65	49	51	41	41	47	42	43	42	42	35	35	51	Negligible
NL_PL_131	Residential	427860	296923	A	65	51	52	42	38	44	40	41	40	40	33	33	52	Negligible
NL_PL_132	Residential	427852	296929	A	65	52	52	44	40	46	41	42	42	42	35	35	52	Negligible
NL_PL_133	Residential	427688	296930	A	65	54	49	46	42	44	43	43	43	43	42	42	54	Negligible
NL_PL_134	Residential	427713	296966	A	65	55	43	47	41	42	41	41	41	41	41	41	55	Negligible
NL_PL_136	Non-Residential	428210	296453	A	65	76	60	67	57	57	57	57	57	57	57	57	76	Major
NL_PL_137	Residential	428242	296428	A	65	71	61	63	50	52	50	50	50	50	49	49	71	Major
NL_PL_138	Residential	428247	296421	A	65	68	49	59	46	50	47	48	47	47	44	44	68	Moderate
NL_PL_139	Residential	428249	296416	A	65	69	50	61	45	50	46	47	46	46	43	43	69	Moderate
NL_PL_140	Non-Residential	428230	296409	A	65	70	56	62	51	52	51	51	51	51	51	51	70	Moderate
NL_PL_141	Non-Residential	428212	296416	A	65	71	58	63	51	52	51	52	51	51	51	51	71	Major
NL_PL_142	Residential	428232	296363	A	65	56	56	46	45	49	46	47	45	45	43	43	56	Negligible
NL_PL_143	Residential	428258	296365	A	65	52	55	43	45	50	46	47	46	46	41	41	55	Negligible
NL_PL_144	Residential	428264	296365	A	65	52	55	43	44	50	46	47	45	45	39	39	55	Negligible
NL_PL_145	Residential	428371	296391	A	65	59	48	49	48	54	49	50	50	50	43	43	59	Negligible
NL_PL_146	Residential	428377	296389	A	65	60	49	49	49	55	50	52	51	51	44	44	60	Negligible
NL_PL_147	Residential	428384	296387	A	65	57	48	46	50	56	51	53	52	52	45	45	57	Negligible
NL_PL_148	Residential	428415	296362	A	65	48	40	39	50	56	51	53	53	53	45	45	56	Negligible
NL_PL_149	Residential	429196	296479	A	65	31	38	23	44	50	45	47	46	46	39	39	50	Negligible
NL_PL_150	Residential	429210	296479	A	65	30	34	22	38	44	40	41	39	39	32	32	44	Negligible
NL_PL_151	Residential	429215	296476	A	65	29	37	21	38	44	40	41	39	39	32	32	44	Negligible
NL_PL_152	Residential	429263	296451	A	65	30	37	22	40	46	41	42	41	41	34	34	46	Negligible
NL_PL_153	Residential	429269	296448	A	65	28	31	20	32	38	34	35	33	33	26	26	38	Negligible
NL_PL_154	Residential	429700	296579	A	65	29	36	20	37	43	38	39	39	39	31	31	43	Negligible
NL_PL_155	Residential	430080	296452	A	65	27	35	19	33	39	34	36	35	35	28	28	39	Negligible
NL_PL_156	Residential	430085	296444	A	65	27	35	18	33	39	34	36	35	35	28	28	39	Negligible
NL_PL_157	Residential	430091	296416	A	65	27	35	19	33	39	34	36	35	35	28	28	39	Negligible
NL_PL_158	Residential	430228	296325	A	65	21	26	16	33	39	34	35	35	35	28	28	39	Negligible

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NL_PL_159	Residential	430396	297000	C	75	41	41	36	41	41	41	41	41	41	41	41	41	Negligible
NL_PL_160	Residential	430420	297060	C	75	46	46	41	46	46	46	46	46	46	46	46	46	Negligible
NL_PL_161	Residential	430442	297087	C	75	47	47	42	47	47	47	47	47	47	47	47	47	Negligible
NL_PL_162	Residential	430409	297099	C	75	42	42	37	42	42	42	42	42	42	42	42	42	Negligible
NL_PL_163	Residential	430391	297100	C	75	37	37	32	37	38	37	37	37	37	37	37	38	Negligible
NL_PL_164	Residential	430391	297114	C	75	42	42	37	42	42	42	42	42	42	42	42	42	Negligible
NL_PL_165	Residential	430448	297101	C	75	50	50	45	50	50	50	50	50	50	50	50	50	Negligible
NL_PL_166	Residential	430453	297113	C	75	51	51	46	51	51	51	51	51	51	51	51	51	Negligible
NL_PL_167	Residential	430458	297121	C	75	52	52	47	52	52	52	52	52	52	52	52	52	Negligible
NL_PL_168	Residential	430478	297139	C	75	56	56	51	56	56	56	56	56	56	56	56	56	Negligible
NL_PL_169	Residential	430481	297142	C	75	57	57	52	57	57	57	57	57	57	57	57	57	Negligible
NL_PL_170	Residential	430482	297147	C	75	58	58	53	58	58	58	58	58	58	58	58	58	Negligible
NL_PL_171	Residential	430485	297151	C	75	58	58	53	58	58	58	58	58	58	58	58	58	Negligible
NL_PL_172	Residential	430486	297155	C	75	59	59	54	59	59	59	59	59	59	59	59	59	Negligible
NL_PL_173	Residential	430488	297160	C	75	61	61	56	61	61	61	61	61	61	61	61	61	Negligible
NL_PL_174	Residential	430491	297164	C	75	60	60	55	60	60	60	60	60	60	60	60	60	Negligible
NL_PL_175	Residential	430521	297154	C	75	64	64	59	64	64	64	64	64	64	64	64	64	Negligible
NL_PL_176	Residential	430521	297159	C	75	59	59	54	59	59	59	59	59	59	59	59	59	Negligible
NL_PL_177	Residential	430524	297165	C	75	52	52	47	52	52	52	52	52	52	52	52	52	Negligible
NL_PL_178	Residential	430526	297170	C	75	49	49	44	49	49	49	49	49	49	49	49	49	Negligible
NL_PL_179	Residential	430529	297176	C	75	48	48	43	48	48	48	48	48	48	48	48	48	Negligible
NL_PL_180	Residential	430532	297182	C	75	49	49	44	49	49	49	49	49	49	49	49	49	Negligible
NL_PL_181	Residential	430499	297182	C	75	53	53	48	53	53	53	53	53	53	53	53	53	Negligible
NL_PL_182	Residential	430504	297193	C	75	50	50	45	50	50	50	50	50	50	50	50	50	Negligible
NL_PL_183	Residential	430507	297197	C	75	48	48	43	48	48	48	48	48	48	48	48	48	Negligible
NL_PL_184	Residential	430511	297201	C	75	48	48	43	48	48	48	48	48	48	48	48	48	Negligible
NL_PL_185	Residential	430512	297205	C	75	48	48	43	48	48	48	48	48	48	48	48	48	Negligible
NL_PL_186	Residential	430464	297196	C	75	49	49	44	49	49	49	49	49	49	49	49	49	Negligible
NL_PL_187	Residential	430457	297198	C	75	42	42	37	42	42	42	42	42	42	42	42	42	Negligible
NL_PL_188	Residential	430449	297200	C	75	44	44	39	44	44	44	44	44	44	44	44	44	Negligible
NL_PL_189	Residential	430441	297202	C	75	43	43	38	43	43	43	43	43	43	43	43	43	Negligible
NL_PL_190	Residential	430452	297171	C	75	48	48	43	48	48	48	48	48	48	48	48	48	Negligible
NL_PL_191	Residential	430446	297172	C	75	43	43	38	43	43	43	43	43	43	43	43	43	Negligible
NL_PL_192	Residential	430433	297172	C	75	43	43	38	43	43	43	43	43	43	43	43	43	Negligible
NL_PL_193	Residential	430426	297175	C	75	41	41	36	41	41	41	41	41	41	41	41	41	Negligible
NL_PL_194	Residential	430427	297129	C	75	48	48	43	48	48	48	48	48	48	48	48	48	Negligible
NL_PL_195	Residential	430416	297133	C	75	48	48	43	48	48	48	48	48	48	48	48	48	Negligible

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NL_PL_196	Residential	430401	297135	C	75	36	36	31	36	36	36	36	36	36	36	36	36	Negligible
NL_PL_197	Residential	430568	297161	C	75	53	53	48	53	53	53	53	53	53	53	53	53	Negligible
NL_PL_198	Residential	430572	297159	C	75	54	54	49	54	54	54	54	54	54	54	54	54	Negligible
NL_PL_199	Residential	430576	297157	C	75	54	54	49	54	54	54	54	54	54	54	54	54	Negligible
NL_PL_200	Residential	430579	297155	C	75	52	52	47	52	52	52	52	52	52	52	52	52	Negligible
NL_PL_201	Residential	430583	297153	C	75	51	51	46	51	51	51	51	51	51	51	51	51	Negligible
NL_PL_202	Residential	430587	297150	C	75	55	55	50	55	55	55	55	55	55	55	55	55	Negligible
NL_PL_203	Residential	430590	297149	C	75	54	54	49	54	54	54	54	54	54	54	54	54	Negligible
NL_PL_204	Residential	430593	297147	C	75	54	54	49	54	54	54	54	54	54	54	54	54	Negligible
NL_PL_205	Residential	430596	297145	C	75	54	54	49	54	54	54	54	54	54	54	54	54	Negligible
NL_PL_206	Residential	430601	297135	C	75	54	54	49	54	54	54	54	54	54	54	54	54	Negligible
NL_PL_207	Residential	430606	297132	C	75	54	54	49	54	54	54	54	54	54	54	54	54	Negligible
NL_PL_208	Residential	430623	297130	C	75	51	51	46	51	51	51	51	51	51	51	51	51	Negligible
NL_PL_209	Residential	430631	297130	C	75	50	50	45	50	50	50	50	50	50	50	50	50	Negligible
NL_PL_210	Residential	430647	297129	C	75	50	50	45	50	50	50	50	50	50	50	50	50	Negligible
NL_PL_211	Residential	430655	297130	C	75	49	49	44	49	49	49	49	49	49	49	49	49	Negligible
NL_PL_212	Residential	430661	297121	C	75	51	51	46	51	51	51	51	51	51	51	51	51	Negligible
NL_PL_213	Residential	430665	297115	C	75	52	52	47	52	52	52	52	52	52	52	52	52	Negligible
NL_PL_214	Residential	430668	297113	C	75	52	52	47	52	52	52	52	52	52	52	52	52	Negligible
NL_PL_215	Residential	430672	297110	C	75	52	52	47	52	52	52	52	52	52	52	52	52	Negligible
NL_PL_216	Residential	430677	297106	C	75	52	52	47	52	52	52	52	52	52	52	52	52	Negligible
NL_PL_217	Residential	430680	297084	C	75	53	53	48	53	53	53	53	53	53	53	53	53	Negligible
NL_PL_218	Residential	430681	297088	C	75	50	50	45	50	50	50	50	50	50	50	50	50	Negligible
NL_PL_219	Residential	430685	297091	C	75	49	49	44	49	49	49	49	49	49	49	49	49	Negligible
NL_PL_220	Residential	430688	297094	C	75	48	48	43	48	48	48	48	48	48	48	48	48	Negligible
NL_PL_221	Residential	430690	297098	C	75	48	48	43	48	48	48	48	48	48	48	48	48	Negligible
NL_PL_222	Residential	430541	297197	C	75	48	48	43	48	48	48	48	48	48	48	48	48	Negligible
NL_PL_223	Residential	430542	297200	C	75	44	44	39	44	44	44	44	44	44	44	44	44	Negligible
NL_PL_224	Residential	430579	297181	A	65	41	41	36	41	41	41	41	41	41	41	41	41	Negligible
NL_PL_225	Residential	430581	297180	A	65	42	42	37	42	42	42	42	42	42	42	42	42	Negligible
NL_PL_226	Residential	430585	297178	A	65	41	41	36	41	41	41	41	41	41	41	41	41	Negligible
NL_PL_227	Residential	430588	297176	A	65	41	41	36	41	41	41	41	41	41	41	41	41	Negligible
NL_PL_228	Residential	430591	297174	A	65	40	40	35	40	40	40	40	40	40	40	40	40	Negligible
NL_PL_229	Residential	430595	297172	A	65	41	41	36	41	41	41	41	41	41	41	41	41	Negligible
NL_PL_230	Residential	430597	297170	A	65	39	39	34	40	40	40	40	40	40	39	39	40	Negligible
NL_PL_231	Residential	430600	297169	A	65	40	40	35	40	40	40	40	40	40	40	40	40	Negligible
NL_PL_232	Residential	430605	297168	A	65	39	39	34	39	39	39	39	39	39	39	39	39	Negligible

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NL_PL_233	Residential	430608	297165	A	65	43	43	38	43	43	43	43	43	43	43	43	43	Negligible
NL_PL_234	Residential	430614	297159	A	65	41	41	36	41	41	41	41	41	41	41	41	41	Negligible
NL_PL_235	Residential	430620	297155	A	65	42	42	37	42	42	42	42	42	42	42	42	42	Negligible
NL_PL_236	Residential	430629	297152	A	65	42	42	37	42	42	42	42	42	42	42	42	42	Negligible
NL_PL_237	Residential	430638	297151	A	65	43	43	38	43	43	43	43	43	43	43	43	43	Negligible
NL_PL_238	Residential	430665	297156	A	65	38	38	33	38	38	38	38	38	38	38	38	38	Negligible
NL_PL_239	Residential	430672	297152	A	65	38	38	33	38	38	38	38	38	38	38	38	38	Negligible
NL_PL_240	Residential	430698	297157	A	65	37	37	32	37	37	37	37	37	37	37	37	37	Negligible
NL_PL_241	Residential	430703	297155	A	65	35	35	30	35	35	35	35	35	35	35	35	35	Negligible
NL_PL_242	Residential	430708	297153	A	65	37	37	32	37	37	37	37	37	37	37	37	37	Negligible
NL_PL_243	Residential	430712	297150	A	65	39	39	34	39	39	39	39	39	39	39	39	39	Negligible
NL_PL_244	Residential	430722	297146	A	65	42	42	37	42	42	42	42	42	42	42	42	42	Negligible
NL_PL_245	Residential	430727	297142	A	65	40	40	35	40	40	40	40	40	40	40	40	40	Negligible
NL_PL_246	Residential	430730	297140	A	65	40	40	35	40	40	40	40	40	40	40	40	40	Negligible
NL_PL_247	Residential	430737	297138	A	65	40	40	35	40	40	40	40	40	40	40	40	40	Negligible
NL_PL_248	Residential	430697	297174	A	65	38	38	33	38	38	38	38	38	38	38	38	38	Negligible
NL_PL_249	Residential	430691	297176	A	65	37	37	32	37	37	37	37	37	37	37	37	37	Negligible
NL_PL_250	Residential	430683	297179	A	65	36	36	31	36	36	36	36	36	36	36	36	36	Negligible
NL_PL_251	Residential	430680	297183	A	65	36	36	31	36	36	36	36	36	36	36	36	36	Negligible
NL_PL_252	Residential	430671	297185	A	65	34	34	29	34	34	34	34	34	34	34	34	34	Negligible
NL_PL_253	Residential	430667	297189	A	65	35	35	30	35	35	35	35	35	35	35	35	35	Negligible
NL_PL_254	Residential	430732	297162	A	65	36	36	31	36	36	36	36	36	36	36	36	36	Negligible
NL_PL_255	Residential	430734	297166	A	65	36	36	31	36	36	36	36	36	36	36	36	36	Negligible
NL_PL_256	Residential	430736	297170	A	65	37	37	32	37	37	37	37	37	37	37	37	37	Negligible
NL_PL_257	Residential	430738	297175	A	65	38	38	33	38	38	38	38	38	38	38	38	38	Negligible
NL_PL_258	Residential	430746	297157	A	65	37	37	32	37	37	37	37	37	37	37	37	37	Negligible
NL_PL_259	Residential	430755	297153	A	65	40	40	35	40	40	40	40	40	40	40	40	40	Negligible
NL_PL_260	Residential	430759	297151	A	65	42	42	37	42	42	42	42	42	42	42	42	42	Negligible
NL_PL_261	Residential	430765	297147	A	65	43	43	38	43	43	43	43	43	43	43	43	43	Negligible
NL_PL_262	Residential	430770	297145	A	65	44	44	39	44	44	44	44	44	44	44	44	44	Negligible
NL_PL_263	Residential	430779	297141	A	65	44	44	39	44	44	44	44	44	44	44	44	44	Negligible
NL_PL_264	Residential	430783	297139	A	65	44	44	39	44	44	44	44	44	44	44	44	44	Negligible
NL_PL_265	Residential	430790	297135	A	65	44	44	39	44	44	44	44	44	44	44	44	44	Negligible
NL_PL_266	Residential	430800	297130	A	65	44	44	39	44	44	44	44	44	44	44	44	44	Negligible
BPT_001	Residential	428369	296503	A	65	67	69	59	53	60	54	56	56	56	48	48	69	Moderate
BPT_002	Residential	428390	296409	A	65	60	47	50	51	57	52	54	53	53	46	46	60	Negligible
BPT_003	Residential	428421	296368	A	65	46	49	38	52	58	53	55	54	54	47	47	58	Negligible

Receptor ID	Receptor Type	Coordinates (British National Grid)		ABC Category	Criterion	Predicted Daytime Noise Level (dB LAeq,T)											Max. Daytime Noise Level (LAeq,10hr)	Magnitude of Impact
		X (Easting)	Y (Northing)			Trenchless Crossings Drive Pit Piling	Trenchless Crossings Reception Pit Piling	Trenchless Crossings Pipe-jacking & Ground-works	AWTP or BPT Pipe-Laying	AWTP or BPT Piling	AWTP or BPT Earthworks	AWTP or BPT FRC Precast	AWTP or BPT Planting	AWTP or BPT MEICA fit out	AWTP or BPT Dry Wet Testing	AWTP Structural or BPT Reinstatement Earthworks		
BPT_004	Residential	428563	296171	A	65	43	44	34	42	49	44	45	43	43	36	36	49	Negligible
BPT_005	Residential	428917	296604	A	65	37	44	29	46	53	48	49	47	47	40	40	53	Negligible
BPT_006	Residential	428746	296579	A	65	43	60	34	69	75	70	72	72	72	64	64	75	Major
BPT_007	Residential	428944	297028	A	65	41	52	31	46	53	48	49	49	49	41	41	53	Negligible

Table 3: Part 1b Predicted Noise Levels from Construction of Trenchless Crossings – Evening Time

Receptor ID	Receptor Type	Coordinates (British National Grid)		ABC Category	Criterion	Predicted Evening Time Noise Level (dB LAeq,T)	Max. Evening Noise Level (LAeq,1hr)	Magnitude of Impact
		X (Easting)	Y (Northing)			Trenchless Crossings Pipe-jacking & Ground-works		
AWTP_125	Residential	418180	291471	A	55	34	34	Negligible
AWTP_126	Residential	418202	291481	A	55	34	34	Negligible
AWTP_127	Residential	418209	291480	A	55	34	34	Negligible
AWTP_128	Residential	418217	291479	A	55	34	34	Negligible
AWTP_129	Residential	418226	291482	A	55	36	36	Negligible
AWTP_130	Residential	418386	292281	A	55	70	70	Major
AWTP_131	Residential	418311	292279	A	55	63	63	Major
AWTP_132	Residential	418157	292371	A	55	43	43	Negligible
AWTP_133	Residential	418067	292366	A	55	42	42	Negligible
AWTP_134	Non-Residential	418058	292366	A	55	40	40	Negligible
AWTP_135	Residential	418049	292369	A	55	41	41	Negligible
AWTP_136	Residential	418038	292371	A	55	38	38	Negligible
AWTP_137	Residential	418025	292388	A	55	41	41	Negligible
AWTP_138	Non-Residential	417998	292374	A	55	38	38	Negligible
AWTP_139	Non-Residential	417920	292402	A	55	37	37	Negligible
AWTP_140	Residential	417879	292388	A	55	42	42	Negligible
NL_PL_001	Residential	418602	292166	A	55	44	44	Negligible
NL_PL_002	Non-Residential	419175	292312	A	55	51	51	Minor
NL_PL_003	Non-Residential	419223	292291	A	55	50	50	Negligible
NL_PL_004	Residential	418896	292737	A	55	59	59	Moderate
NL_PL_005	Residential	418895	292729	A	55	59	59	Moderate
NL_PL_006	Residential	420070	293271	A	55	51	51	Minor
NL_PL_007	Residential	420077	293268	A	55	41	41	Negligible
NL_PL_008	Non-Residential	420255	293153	A	55	46	46	Negligible

Receptor ID	Receptor Type	Coordinates (British National Grid)		ABC Category	Criterion	Predicted Evening Time Noise Level (dB LAeq,T)	Max. Evening Noise Level (LAeq,1hr)	Magnitude of Impact
		X (Easting)	Y (Northing)			Trenchless Crossings Pipe-jacking & Ground-works		
NL_PL_009	Residential	419563	293723	A	55	45	45	Negligible
NL_PL_010	Residential	420280	293470	A	55	57	57	Moderate
NL_PL_011	Residential	420289	293467	A	55	57	57	Moderate
NL_PL_012	Non-Residential	420295	293464	A	55	57	57	Moderate
NL_PL_013	Residential	420280	293437	A	55	52	52	Minor
NL_PL_014	Residential	420287	293419	A	55	46	46	Negligible
NL_PL_015	Residential	420278	293401	A	55	50	50	Negligible
NL_PL_016	Residential	420277	293393	A	55	49	49	Negligible
NL_PL_017	Residential	420277	293386	A	55	51	51	Minor
NL_PL_018	Residential	420276	293379	A	55	49	49	Negligible
NL_PL_019	Residential	420266	293363	A	55	49	49	Negligible
NL_PL_020	Residential	420248	293339	A	55	48	48	Negligible
NL_PL_021	Residential	420333	293430	A	55	55	55	Minor
NL_PL_022	Non-Residential	420364	293422	A	55	45	45	Negligible
NL_PL_023	Residential	420375	293420	A	55	58	58	Moderate
NL_PL_024	Residential	420386	293420	A	55	61	61	Major
NL_PL_025	Residential	420400	293420	A	55	61	61	Major
NL_PL_026	Residential	420414	293424	A	55	62	62	Major
NL_PL_027	Residential	420427	293423	A	55	63	63	Major
NL_PL_028	Residential	420446	293427	A	55	59	59	Moderate
NL_PL_029	Residential	420460	293430	A	55	66	66	Major
NL_PL_030	Residential	420478	293435	A	55	66	66	Major
NL_PL_031	Residential	420541	293406	A	55	61	61	Major
NL_PL_032	Residential	420494	293402	A	55	58	58	Moderate
NL_PL_033	Residential	420467	293390	A	55	51	51	Minor
NL_PL_034	Residential	420426	293385	A	55	52	52	Minor
NL_PL_035	Residential	420443	293377	A	55	52	52	Minor
NL_PL_036	Residential	420411	293384	A	55	52	52	Minor
NL_PL_037	Residential	420374	293378	A	55	50	50	Negligible
NL_PL_038	Residential	420335	293379	A	55	49	49	Negligible
NL_PL_039	Residential	420323	293376	A	55	47	47	Negligible
NL_PL_040	Residential	420312	293372	A	55	45	45	Negligible
NL_PL_041	Residential	420299	293370	A	55	46	46	Negligible
NL_PL_042	Residential	420281	293349	A	55	43	43	Negligible
NL_PL_043	Residential	419821	293993	A	55	48	48	Negligible
NL_PL_044	Residential	420318	294063	A	55	48	48	Negligible
NL_PL_046	Residential	421258	292909	A	55	41	41	Negligible

Receptor ID	Receptor Type	Coordinates (British National Grid)		ABC Category	Criterion	Predicted Evening Time Noise Level (dB LAeq,T)	Max. Evening Noise Level (LAeq,1hr)	Magnitude of Impact
		X (Easting)	Y (Northing)			Trenchless Crossings Pipe-jacking & Ground-works		
NL_PL_047	Residential	421413	292919	A	55	38	38	Negligible
NL_PL_048	Residential	421431	292948	A	55	38	38	Negligible
NL_PL_049	Residential	421383	292928	A	55	38	38	Negligible
NL_PL_050	Residential	421863	293231	A	55	40	40	Negligible
NL_PL_059	Residential	421589	293411	A	55	47	47	Negligible
NL_PL_052	Residential	421792	293435	A	55	51	51	Minor
NL_PL_053	Residential	421798	293427	A	55	35	35	Negligible
NL_PL_054	Residential	421646	293674	A	55	37	37	Negligible
NL_PL_055	Residential	421637	293689	A	55	36	36	Negligible
NL_PL_056	Residential	421675	293719	A	55	42	42	Negligible
NL_PL_057	Residential	421669	293734	A	55	46	46	Negligible
NL_PL_058	Residential	421640	293785	A	55	47	47	Negligible
NL_PL_051	Residential	421627	293802	A	55	36	36	Negligible
NL_PL_060	Residential	422302	293598	A	55	41	41	Negligible
NL_PL_061	Residential	422658	293724	A	55	44	44	Negligible
NL_PL_062	Residential	422751	293782	A	55	37	37	Negligible
NL_PL_063	Residential	422326	294505	A	55	41	41	Negligible
NL_PL_064	Residential	423433	294369	A	55	40	40	Negligible
NL_PL_065	Residential	424157	293692	A	55	27	27	Negligible
NL_PL_066	Residential	423311	294882	A	55	37	37	Negligible
NL_PL_067	Residential	424416	294456	A	55	30	30	Negligible
NL_PL_068	Residential	424220	294676	A	55	35	35	Negligible
NL_PL_069	Residential	424137	294735	A	55	37	37	Negligible
NL_PL_070	Residential	424037	294733	A	55	47	47	Negligible
NL_PL_071	Residential	423985	294756	A	55	51	51	Minor
NL_PL_072	Residential	424037	294783	A	55	43	43	Negligible
NL_PL_073	Residential	423389	295062	A	55	35	35	Negligible
NL_PL_074	Non-Residential	424087	294765	A	55	36	36	Negligible
NL_PL_075	Residential	424882	294665	A	55	22	22	Negligible
NL_PL_076	Residential	424926	294730	A	55	20	20	Negligible
NL_PL_077	Residential	424904	294727	A	55	20	20	Negligible
NL_PL_078	Non-Residential	424926	294704	A	55	19	19	Negligible
NL_PL_079	Non-Residential	424943	294710	A	55	19	19	Negligible
NL_PL_080	Residential	424929	294697	A	55	21	21	Negligible
NL_PL_081	Non-Residential	424274	295073	A	55	31	31	Negligible
NL_PL_082	Residential	425147	294857	A	55	18	18	Negligible
NL_PL_083	Residential	425198	294849	A	55	18	18	Negligible

Receptor ID	Receptor Type	Coordinates (British National Grid)		ABC Category	Criterion	Predicted Evening Time Noise Level (dB LAeq,T)	Max. Evening Noise Level (LAeq,1hr)	Magnitude of Impact
		X (Easting)	Y (Northing)			Trenchless Crossings Pipe-jacking & Ground-works		
NL_PL_084	Residential	425230	294867	A	55	17	17	Negligible
NL_PL_085	Residential	425233	294894	A	55	19	19	Negligible
NL_PL_086	Residential	424875	295560	A	55	21	21	Negligible
NL_PL_087	Residential	426376	295431	A	55	39	39	Negligible
NL_PL_088	Non-Residential	426595	296072	A	55	39	39	Negligible
NL_PL_089	Non-Residential	426613	296054	A	55	39	39	Negligible
NL_PL_090	Residential	425103	295954	A	55	21	21	Negligible
NL_PL_091	Residential	427048	296252	A	55	41	41	Negligible
NL_PL_092	Residential	427079	296260	A	55	41	41	Negligible
NL_PL_093	Residential	427360	296318	A	55	41	41	Negligible
NL_PL_094	Residential	427444	296415	A	55	40	40	Negligible
NL_PL_095	Residential	427407	296452	A	55	42	42	Negligible
NL_PL_096	Residential	427542	296400	A	55	42	42	Negligible
NL_PL_097	Residential	427583	296413	A	55	44	44	Negligible
NL_PL_098	Residential	427615	296422	A	55	47	47	Negligible
NL_PL_099	Residential	427673	296453	A	55	48	48	Negligible
NL_PL_100	Residential	427679	296457	A	55	48	48	Negligible
NL_PL_101	Residential	427688	296462	A	55	48	48	Negligible
NL_PL_102	Residential	427694	296465	A	55	50	50	Negligible
NL_PL_103	Residential	427701	296467	A	55	49	49	Negligible
NL_PL_104	Residential	427772	296561	A	55	52	52	Minor
NL_PL_105	Residential	427661	296762	A	55	48	48	Negligible
NL_PL_106	Residential	427993	296722	A	55	55	55	Minor
NL_PL_107	Residential	427969	296717	A	55	53	53	Minor
NL_PL_108	Residential	428023	296796	A	55	54	54	Minor
NL_PL_109	Residential	428005	296811	A	55	52	52	Minor
NL_PL_110	Residential	427992	296825	A	55	52	52	Minor
NL_PL_111	Residential	427979	296835	A	55	52	52	Minor
NL_PL_112	Residential	427970	296849	A	55	52	52	Minor
NL_PL_113	Residential	428147	296863	A	55	41	41	Negligible
NL_PL_114	Residential	428146	296868	A	55	42	42	Negligible
NL_PL_115	Residential	428144	296873	A	55	42	42	Negligible
NL_PL_116	Residential	428143	296877	A	55	43	43	Negligible
NL_PL_117	Residential	428141	296883	A	55	42	42	Negligible
NL_PL_118	Residential	428140	296888	A	55	43	43	Negligible
NL_PL_119	Residential	428155	296940	A	55	40	40	Negligible
NL_PL_120	Residential	428164	296943	A	55	38	38	Negligible

Receptor ID	Receptor Type	Coordinates (British National Grid)		ABC Category	Criterion	Predicted Evening Time Noise Level (dB LAeq,T)	Max. Evening Noise Level (LAeq,1hr)	Magnitude of Impact
		X (Easting)	Y (Northing)			Trenchless Crossings Pipe-jacking & Ground-works		
NL_PL_121	Residential	428171	296955	A	55	38	38	Negligible
NL_PL_122	Non-Residential	428173	296959	A	55	39	39	Negligible
NL_PL_123	Residential	427959	296858	A	55	50	50	Negligible
NL_PL_124	Residential	427943	296871	A	55	49	49	Negligible
NL_PL_125	Residential	427920	296889	A	55	49	49	Negligible
NL_PL_126	Residential	427897	296904	A	55	50	50	Negligible
NL_PL_127	Residential	427891	296904	A	55	41	41	Negligible
NL_PL_128	Residential	427886	296909	A	55	41	41	Negligible
NL_PL_129	Residential	427876	296913	A	55	35	35	Negligible
NL_PL_130	Residential	427872	296917	A	55	41	41	Negligible
NL_PL_131	Residential	427860	296923	A	55	42	42	Negligible
NL_PL_132	Residential	427852	296929	A	55	44	44	Negligible
NL_PL_133	Residential	427688	296930	A	55	46	46	Negligible
NL_PL_134	Residential	427713	296966	A	55	47	47	Negligible
NL_PL_136	Non-Residential	428210	296453	A	55	67	67	Major
NL_PL_137	Residential	428242	296428	A	55	63	63	Major
NL_PL_138	Residential	428247	296421	A	55	59	59	Moderate
NL_PL_139	Residential	428249	296416	A	55	61	61	Major
NL_PL_140	Non-Residential	428230	296409	A	55	62	62	Major
NL_PL_141	Non-Residential	428212	296416	A	55	63	63	Major
NL_PL_142	Residential	428232	296363	A	55	46	46	Negligible
NL_PL_143	Residential	428258	296365	A	55	43	43	Negligible
NL_PL_144	Residential	428264	296365	A	55	43	43	Negligible
NL_PL_145	Residential	428371	296391	A	55	49	49	Negligible
NL_PL_146	Residential	428377	296389	A	55	49	49	Negligible
NL_PL_147	Residential	428384	296387	A	55	46	46	Negligible
NL_PL_148	Residential	428415	296362	A	55	39	39	Negligible
NL_PL_149	Residential	429196	296479	A	55	23	23	Negligible
NL_PL_150	Residential	429210	296479	A	55	22	22	Negligible
NL_PL_151	Residential	429215	296476	A	55	21	21	Negligible
NL_PL_152	Residential	429263	296451	A	55	22	22	Negligible
NL_PL_153	Residential	429269	296448	A	55	20	20	Negligible
NL_PL_154	Residential	429700	296579	A	55	20	20	Negligible
NL_PL_155	Residential	430080	296452	A	55	19	19	Negligible
NL_PL_156	Residential	430085	296444	A	55	18	18	Negligible
NL_PL_157	Residential	430091	296416	A	55	19	19	Negligible
NL_PL_158	Residential	430228	296325	A	55	16	16	Negligible

Receptor ID	Receptor Type	Coordinates (British National Grid)		ABC Category	Criterion	Predicted Evening Time Noise Level (dB LAeq,T)	Max. Evening Noise Level (LAeq,1hr)	Magnitude of Impact
		X (Easting)	Y (Northing)			Trenchless Crossings Pipe-jacking & Ground-works		
NL_PL_159	Residential	430396	297000	A	55	36	36	Negligible
NL_PL_160	Residential	430420	297060	A	55	41	41	Negligible
NL_PL_161	Residential	430442	297087	A	55	42	42	Negligible
NL_PL_162	Residential	430409	297099	A	55	37	37	Negligible
NL_PL_163	Residential	430391	297100	A	55	32	32	Negligible
NL_PL_164	Residential	430391	297114	A	55	37	37	Negligible
NL_PL_165	Residential	430448	297101	A	55	45	45	Negligible
NL_PL_166	Residential	430453	297113	A	55	46	46	Negligible
NL_PL_167	Residential	430458	297121	A	55	47	47	Negligible
NL_PL_168	Residential	430478	297139	A	55	51	51	Minor
NL_PL_169	Residential	430481	297142	A	55	52	52	Minor
NL_PL_170	Residential	430482	297147	A	55	53	53	Minor
NL_PL_171	Residential	430485	297151	A	55	53	53	Minor
NL_PL_172	Residential	430486	297155	A	55	54	54	Minor
NL_PL_173	Residential	430488	297160	A	55	56	56	Moderate
NL_PL_174	Residential	430491	297164	A	55	55	55	Minor
NL_PL_175	Residential	430521	297154	A	55	59	59	Moderate
NL_PL_176	Residential	430521	297159	A	55	54	54	Minor
NL_PL_177	Residential	430524	297165	A	55	47	47	Negligible
NL_PL_178	Residential	430526	297170	A	55	44	44	Negligible
NL_PL_179	Residential	430529	297176	A	55	43	43	Negligible
NL_PL_180	Residential	430532	297182	A	55	44	44	Negligible
NL_PL_181	Residential	430499	297182	A	55	48	48	Negligible
NL_PL_182	Residential	430504	297193	A	55	45	45	Negligible
NL_PL_183	Residential	430507	297197	A	55	43	43	Negligible
NL_PL_184	Residential	430511	297201	A	55	43	43	Negligible
NL_PL_185	Residential	430512	297205	A	55	43	43	Negligible
NL_PL_186	Residential	430464	297196	A	55	44	44	Negligible
NL_PL_187	Residential	430457	297198	A	55	37	37	Negligible
NL_PL_188	Residential	430449	297200	A	55	39	39	Negligible
NL_PL_189	Residential	430441	297202	A	55	38	38	Negligible
NL_PL_190	Residential	430452	297171	A	55	43	43	Negligible
NL_PL_191	Residential	430446	297172	A	55	38	38	Negligible
NL_PL_192	Residential	430433	297172	A	55	38	38	Negligible
NL_PL_193	Residential	430426	297175	A	55	36	36	Negligible
NL_PL_194	Residential	430427	297129	A	55	43	43	Negligible
NL_PL_195	Residential	430416	297133	A	55	43	43	Negligible

Receptor ID	Receptor Type	Coordinates (British National Grid)		ABC Category	Criterion	Predicted Evening Time Noise Level (dB LAeq,T)	Max. Evening Noise Level (LAeq,1hr)	Magnitude of Impact
		X (Easting)	Y (Northing)			Trenchless Crossings Pipe-jacking & Ground-works		
NL_PL_196	Residential	430401	297135	A	55	31	31	Negligible
NL_PL_197	Residential	430568	297161	A	55	48	48	Negligible
NL_PL_198	Residential	430572	297159	A	55	49	49	Negligible
NL_PL_199	Residential	430576	297157	A	55	49	49	Negligible
NL_PL_200	Residential	430579	297155	A	55	47	47	Negligible
NL_PL_201	Residential	430583	297153	A	55	46	46	Negligible
NL_PL_202	Residential	430587	297150	A	55	50	50	Negligible
NL_PL_203	Residential	430590	297149	A	55	49	49	Negligible
NL_PL_204	Residential	430593	297147	A	55	49	49	Negligible
NL_PL_205	Residential	430596	297145	A	55	49	49	Negligible
NL_PL_206	Residential	430601	297135	A	55	49	49	Negligible
NL_PL_207	Residential	430606	297132	A	55	49	49	Negligible
NL_PL_208	Residential	430623	297130	A	55	46	46	Negligible
NL_PL_209	Residential	430631	297130	A	55	45	45	Negligible
NL_PL_210	Residential	430647	297129	A	55	45	45	Negligible
NL_PL_211	Residential	430655	297130	A	55	44	44	Negligible
NL_PL_212	Residential	430661	297121	A	55	46	46	Negligible
NL_PL_213	Residential	430665	297115	A	55	47	47	Negligible
NL_PL_214	Residential	430668	297113	A	55	47	47	Negligible
NL_PL_215	Residential	430672	297110	A	55	47	47	Negligible
NL_PL_216	Residential	430677	297106	A	55	47	47	Negligible
NL_PL_217	Residential	430680	297084	A	55	48	48	Negligible
NL_PL_218	Residential	430681	297088	A	55	45	45	Negligible
NL_PL_219	Residential	430685	297091	A	55	44	44	Negligible
NL_PL_220	Residential	430688	297094	A	55	43	43	Negligible
NL_PL_221	Residential	430690	297098	A	55	43	43	Negligible
NL_PL_222	Residential	430541	297197	A	55	43	43	Negligible
NL_PL_223	Residential	430542	297200	A	55	39	39	Negligible
NL_PL_224	Residential	430579	297181	A	55	36	36	Negligible
NL_PL_225	Residential	430581	297180	A	55	37	37	Negligible
NL_PL_226	Residential	430585	297178	A	55	36	36	Negligible
NL_PL_227	Residential	430588	297176	A	55	36	36	Negligible
NL_PL_228	Residential	430591	297174	A	55	35	35	Negligible
NL_PL_229	Residential	430595	297172	A	55	36	36	Negligible
NL_PL_230	Residential	430597	297170	A	55	34	34	Negligible
NL_PL_231	Residential	430600	297169	A	55	35	35	Negligible
NL_PL_232	Residential	430605	297168	A	55	34	34	Negligible

Receptor ID	Receptor Type	Coordinates (British National Grid)		ABC Category	Criterion	Predicted Evening Time Noise Level (dB LAeq,T)	Max. Evening Noise Level (LAeq,1hr)	Magnitude of Impact
		X (Easting)	Y (Northing)			Trenchless Crossings Pipe-jacking & Ground-works		
NL_PL_233	Residential	430608	297165	A	55	38	38	Negligible
NL_PL_234	Residential	430614	297159	A	55	36	36	Negligible
NL_PL_235	Residential	430620	297155	A	55	37	37	Negligible
NL_PL_236	Residential	430629	297152	A	55	37	37	Negligible
NL_PL_237	Residential	430638	297151	A	55	38	38	Negligible
NL_PL_238	Residential	430665	297156	A	55	33	33	Negligible
NL_PL_239	Residential	430672	297152	A	55	33	33	Negligible
NL_PL_240	Residential	430698	297157	A	55	32	32	Negligible
NL_PL_241	Residential	430703	297155	A	55	30	30	Negligible
NL_PL_242	Residential	430708	297153	A	55	32	32	Negligible
NL_PL_243	Residential	430712	297150	A	55	34	34	Negligible
NL_PL_244	Residential	430722	297146	A	55	37	37	Negligible
NL_PL_245	Residential	430727	297142	A	55	35	35	Negligible
NL_PL_246	Residential	430730	297140	A	55	35	35	Negligible
NL_PL_247	Residential	430737	297138	A	55	35	35	Negligible
NL_PL_248	Residential	430697	297174	A	55	33	33	Negligible
NL_PL_249	Residential	430691	297176	A	55	32	32	Negligible
NL_PL_250	Residential	430683	297179	A	55	31	31	Negligible
NL_PL_251	Residential	430680	297183	A	55	31	31	Negligible
NL_PL_252	Residential	430671	297185	A	55	29	29	Negligible
NL_PL_253	Residential	430667	297189	A	55	30	30	Negligible
NL_PL_254	Residential	430732	297162	A	55	31	31	Negligible
NL_PL_255	Residential	430734	297166	A	55	31	31	Negligible
NL_PL_256	Residential	430736	297170	A	55	32	32	Negligible
NL_PL_257	Residential	430738	297175	A	55	33	33	Negligible
NL_PL_258	Residential	430746	297157	A	55	32	32	Negligible
NL_PL_259	Residential	430755	297153	A	55	35	35	Negligible
NL_PL_260	Residential	430759	297151	A	55	37	37	Negligible
NL_PL_261	Residential	430765	297147	A	55	38	38	Negligible
NL_PL_262	Residential	430770	297145	A	55	39	39	Negligible
NL_PL_263	Residential	430779	297141	A	55	39	39	Negligible
NL_PL_264	Residential	430783	297139	A	55	39	39	Negligible
NL_PL_265	Residential	430790	297135	A	55	39	39	Negligible
NL_PL_266	Residential	430800	297130	A	55	39	39	Negligible
BPT_001	Residential	428369	296503	A	55	59	59	Moderate
BPT_002	Residential	428390	296409	A	55	50	50	Negligible
BPT_003	Residential	428421	296368	A	55	38	38	Negligible

Receptor ID	Receptor Type	Coordinates (British National Grid)		ABC Category	Criterion	Predicted Evening Time Noise Level (dB LAeq,T)	Max. Evening Noise Level (LAeq,1hr)	Magnitude of Impact
		X (Easting)	Y (Northing)			Trenchless Crossings Pipe-jacking & Ground-works		
BPT_004	Residential	428563	296171	A	55	34	34	Negligible
BPT_005	Residential	428917	296604	A	55	29	29	Negligible
BPT_006	Residential	428746	296579	A	55	34	34	Negligible
BPT_007	Residential	428944	297028	A	55	31	31	Negligible

Table 4: Part 1b Predicted Noise Levels from Construction of Trenchless Crossings – Night-time

Receptor ID	Receptor Type	Coordinates (British National Grid)		ABC Category	Criterion	Predicted Evening Time Noise Level (dB LAeq,T)	Max. Night-time Noise Level (LAeq,10hr)	Magnitude of Impact
		X (Easting)	Y (Northing)			Trenchless Crossings Pipe-jacking & Ground-works		
AWTP_125	Residential	418180	291471	A	45	34	34	Negligible
AWTP_126	Residential	418202	291481	A	45	34	34	Negligible
AWTP_127	Residential	418209	291480	A	45	34	34	Negligible
AWTP_128	Residential	418217	291479	A	45	34	34	Negligible
AWTP_129	Residential	418226	291482	A	45	36	36	Negligible
AWTP_130	Residential	418386	292281	A	45	70	70	Major
AWTP_131	Residential	418311	292279	A	45	63	63	Major
AWTP_132	Residential	418157	292371	A	45	43	43	Minor
AWTP_133	Residential	418067	292366	A	45	42	42	Minor
AWTP_134	Non-Residential	418058	292366	A	45	40	40	Negligible
AWTP_135	Residential	418049	292369	A	45	41	41	Minor
AWTP_136	Residential	418038	292371	A	45	38	38	Negligible
AWTP_137	Residential	418025	292388	A	45	41	41	Minor
AWTP_138	Non-Residential	417998	292374	A	45	38	38	Negligible
AWTP_139	Non-Residential	417920	292402	A	45	37	37	Negligible
AWTP_140	Residential	417879	292388	A	45	42	42	Minor
NL_PL_001	Residential	418602	292166	A	45	44	44	Minor
NL_PL_002	Non-Residential	419175	292312	A	45	51	51	Major
NL_PL_003	Non-Residential	419223	292291	A	45	50	50	Moderate
NL_PL_004	Residential	418896	292737	A	45	59	59	Major
NL_PL_005	Residential	418895	292729	A	45	59	59	Major
NL_PL_006	Residential	420070	293271	A	45	51	51	Major
NL_PL_007	Residential	420077	293268	A	45	41	41	Minor
NL_PL_008	Non-Residential	420255	293153	A	45	46	46	Moderate
NL_PL_009	Residential	419563	293723	A	45	45	45	Minor
NL_PL_010	Residential	420280	293470	A	45	57	57	Major

Receptor ID	Receptor Type	Coordinates (British National Grid)		ABC Category	Criterion	Predicted Evening Time Noise Level (dB LAeq,T)	Max. Night-time Noise Level (LAeq,10hr)	Magnitude of Impact
		X (Easting)	Y (Northing)			Trenchless Crossings Pipe-jacking & Ground-works		
NL_PL_011	Residential	420289	293467	A	45	57	57	Major
NL_PL_012	Non-Residential	420295	293464	A	45	57	57	Major
NL_PL_013	Residential	420280	293437	A	45	52	52	Major
NL_PL_014	Residential	420287	293419	A	45	46	46	Moderate
NL_PL_015	Residential	420278	293401	A	45	50	50	Moderate
NL_PL_016	Residential	420277	293393	A	45	49	49	Moderate
NL_PL_017	Residential	420277	293386	A	45	51	51	Major
NL_PL_018	Residential	420276	293379	A	45	49	49	Moderate
NL_PL_019	Residential	420266	293363	A	45	49	49	Moderate
NL_PL_020	Residential	420248	293339	A	45	48	48	Moderate
NL_PL_021	Residential	420333	293430	A	45	55	55	Major
NL_PL_022	Non-Residential	420364	293422	A	45	45	45	Minor
NL_PL_023	Residential	420375	293420	A	45	58	58	Major
NL_PL_024	Residential	420386	293420	A	45	61	61	Major
NL_PL_025	Residential	420400	293420	A	45	61	61	Major
NL_PL_026	Residential	420414	293424	A	45	62	62	Major
NL_PL_027	Residential	420427	293423	A	45	63	63	Major
NL_PL_028	Residential	420446	293427	A	45	59	59	Major
NL_PL_029	Residential	420460	293430	A	45	66	66	Major
NL_PL_030	Residential	420478	293435	A	45	66	66	Major
NL_PL_031	Residential	420541	293406	A	45	61	61	Major
NL_PL_032	Residential	420494	293402	A	45	58	58	Major
NL_PL_033	Residential	420467	293390	A	45	51	51	Major
NL_PL_034	Residential	420426	293385	A	45	52	52	Major
NL_PL_035	Residential	420443	293377	A	45	52	52	Major
NL_PL_036	Residential	420411	293384	A	45	52	52	Major
NL_PL_037	Residential	420374	293378	A	45	50	50	Moderate
NL_PL_038	Residential	420335	293379	A	45	49	49	Moderate
NL_PL_039	Residential	420323	293376	A	45	47	47	Moderate
NL_PL_040	Residential	420312	293372	A	45	45	45	Minor
NL_PL_041	Residential	420299	293370	A	45	46	46	Moderate
NL_PL_042	Residential	420281	293349	A	45	43	43	Minor
NL_PL_043	Residential	419821	293993	A	45	48	48	Moderate
NL_PL_044	Residential	420318	294063	A	45	48	48	Moderate
NL_PL_046	Residential	421258	292909	A	45	41	41	Minor
NL_PL_047	Residential	421413	292919	A	45	38	38	Negligible
NL_PL_048	Residential	421431	292948	A	45	38	38	Negligible

Receptor ID	Receptor Type	Coordinates (British National Grid)		ABC Category	Criterion	Predicted Evening Time Noise Level (dB LAeq,T)	Max. Night-time Noise Level (LAeq,10hr)	Magnitude of Impact
		X (Easting)	Y (Northing)			Trenchless Crossings Pipe-jacking & Ground-works		
NL_PL_049	Residential	421383	292928	A	45	38	38	Negligible
NL_PL_050	Residential	421863	293231	A	45	40	40	Negligible
NL_PL_059	Residential	421589	293411	A	45	47	47	Moderate
NL_PL_052	Residential	421792	293435	A	45	51	51	Major
NL_PL_053	Residential	421798	293427	A	45	35	35	Negligible
NL_PL_054	Residential	421646	293674	A	45	37	37	Negligible
NL_PL_055	Residential	421637	293689	A	45	36	36	Negligible
NL_PL_056	Residential	421675	293719	A	45	42	42	Minor
NL_PL_057	Residential	421669	293734	A	45	46	46	Moderate
NL_PL_058	Residential	421640	293785	A	45	47	47	Moderate
NL_PL_051	Residential	421627	293802	A	45	36	36	Negligible
NL_PL_060	Residential	422302	293598	A	45	41	41	Minor
NL_PL_061	Residential	422658	293724	A	45	44	44	Minor
NL_PL_062	Residential	422751	293782	A	45	37	37	Negligible
NL_PL_063	Residential	422326	294505	A	45	41	41	Minor
NL_PL_064	Residential	423433	294369	A	45	40	40	Negligible
NL_PL_065	Residential	424157	293692	A	45	27	27	Negligible
NL_PL_066	Residential	423311	294882	A	45	37	37	Negligible
NL_PL_067	Residential	424416	294456	A	45	30	30	Negligible
NL_PL_068	Residential	424220	294676	A	45	35	35	Negligible
NL_PL_069	Residential	424137	294735	A	45	37	37	Negligible
NL_PL_070	Residential	424037	294733	A	45	47	47	Moderate
NL_PL_071	Residential	423985	294756	A	45	51	51	Major
NL_PL_072	Residential	424037	294783	A	45	43	43	Minor
NL_PL_073	Residential	423389	295062	A	45	35	35	Negligible
NL_PL_074	Non-Residential	424087	294765	A	45	36	36	Negligible
NL_PL_075	Residential	424882	294665	A	45	22	22	Negligible
NL_PL_076	Residential	424926	294730	A	45	20	20	Negligible
NL_PL_077	Residential	424904	294727	A	45	20	20	Negligible
NL_PL_078	Non-Residential	424926	294704	A	45	19	19	Negligible
NL_PL_079	Non-Residential	424943	294710	A	45	19	19	Negligible
NL_PL_080	Residential	424929	294697	A	45	21	21	Negligible
NL_PL_081	Non-Residential	424274	295073	A	45	31	31	Negligible
NL_PL_082	Residential	425147	294857	A	45	18	18	Negligible
NL_PL_083	Residential	425198	294849	A	45	18	18	Negligible
NL_PL_084	Residential	425230	294867	A	45	17	17	Negligible
NL_PL_085	Residential	425233	294894	A	45	19	19	Negligible

Receptor ID	Receptor Type	Coordinates (British National Grid)		ABC Category	Criterion	Predicted Evening Time Noise Level (dB LAeq,T)	Max. Night-time Noise Level (LAeq,10hr)	Magnitude of Impact
		X (Easting)	Y (Northing)			Trenchless Crossings Pipe-jacking & Ground-works		
NL_PL_086	Residential	424875	295560	A	45	21	21	Negligible
NL_PL_087	Residential	426376	295431	A	45	39	39	Negligible
NL_PL_088	Non-Residential	426595	296072	A	45	39	39	Negligible
NL_PL_089	Non-Residential	426613	296054	A	45	39	39	Negligible
NL_PL_090	Residential	425103	295954	A	45	21	21	Negligible
NL_PL_091	Residential	427048	296252	A	45	41	41	Minor
NL_PL_092	Residential	427079	296260	A	45	41	41	Minor
NL_PL_093	Residential	427360	296318	A	45	41	41	Minor
NL_PL_094	Residential	427444	296415	A	45	40	40	Negligible
NL_PL_095	Residential	427407	296452	A	45	42	42	Minor
NL_PL_096	Residential	427542	296400	A	45	42	42	Minor
NL_PL_097	Residential	427583	296413	A	45	44	44	Minor
NL_PL_098	Residential	427615	296422	A	45	47	47	Moderate
NL_PL_099	Residential	427673	296453	A	45	48	48	Moderate
NL_PL_100	Residential	427679	296457	A	45	48	48	Moderate
NL_PL_101	Residential	427688	296462	A	45	48	48	Moderate
NL_PL_102	Residential	427694	296465	A	45	50	50	Moderate
NL_PL_103	Residential	427701	296467	A	45	49	49	Moderate
NL_PL_104	Residential	427772	296561	A	45	52	52	Major
NL_PL_105	Residential	427661	296762	A	45	48	48	Moderate
NL_PL_106	Residential	427993	296722	A	45	55	55	Major
NL_PL_107	Residential	427969	296717	A	45	53	53	Major
NL_PL_108	Residential	428023	296796	A	45	54	54	Major
NL_PL_109	Residential	428005	296811	A	45	52	52	Major
NL_PL_110	Residential	427992	296825	A	45	52	52	Major
NL_PL_111	Residential	427979	296835	A	45	52	52	Major
NL_PL_112	Residential	427970	296849	A	45	52	52	Major
NL_PL_113	Residential	428147	296863	A	45	41	41	Minor
NL_PL_114	Residential	428146	296868	A	45	42	42	Minor
NL_PL_115	Residential	428144	296873	A	45	42	42	Minor
NL_PL_116	Residential	428143	296877	A	45	43	43	Minor
NL_PL_117	Residential	428141	296883	A	45	42	42	Minor
NL_PL_118	Residential	428140	296888	A	45	43	43	Minor
NL_PL_119	Residential	428155	296940	A	45	40	40	Negligible
NL_PL_120	Residential	428164	296943	A	45	38	38	Negligible
NL_PL_121	Residential	428171	296955	A	45	38	38	Negligible
NL_PL_122	Non-Residential	428173	296959	A	45	39	39	Negligible

Receptor ID	Receptor Type	Coordinates (British National Grid)		ABC Category	Criterion	Predicted Evening Time Noise Level (dB LAeq,T)	Max. Night-time Noise Level (LAeq,10hr)	Magnitude of Impact
		X (Easting)	Y (Northing)			Trenchless Crossings Pipe-jacking & Ground-works		
NL_PL_123	Residential	427959	296858	A	45	50	50	Moderate
NL_PL_124	Residential	427943	296871	A	45	49	49	Moderate
NL_PL_125	Residential	427920	296889	A	45	49	49	Moderate
NL_PL_126	Residential	427897	296904	A	45	50	50	Moderate
NL_PL_127	Residential	427891	296904	A	45	41	41	Minor
NL_PL_128	Residential	427886	296909	A	45	41	41	Minor
NL_PL_129	Residential	427876	296913	A	45	35	35	Negligible
NL_PL_130	Residential	427872	296917	A	45	41	41	Minor
NL_PL_131	Residential	427860	296923	A	45	42	42	Minor
NL_PL_132	Residential	427852	296929	A	45	44	44	Minor
NL_PL_133	Residential	427688	296930	A	45	46	46	Moderate
NL_PL_134	Residential	427713	296966	A	45	47	47	Moderate
NL_PL_136	Non-Residential	428210	296453	A	45	67	67	Major
NL_PL_137	Residential	428242	296428	A	45	63	63	Major
NL_PL_138	Residential	428247	296421	A	45	59	59	Major
NL_PL_139	Residential	428249	296416	A	45	61	61	Major
NL_PL_140	Non-Residential	428230	296409	A	45	62	62	Major
NL_PL_141	Non-Residential	428212	296416	A	45	63	63	Major
NL_PL_142	Residential	428232	296363	A	45	46	46	Moderate
NL_PL_143	Residential	428258	296365	A	45	43	43	Minor
NL_PL_144	Residential	428264	296365	A	45	43	43	Minor
NL_PL_145	Residential	428371	296391	A	45	49	49	Moderate
NL_PL_146	Residential	428377	296389	A	45	49	49	Moderate
NL_PL_147	Residential	428384	296387	A	45	46	46	Moderate
NL_PL_148	Residential	428415	296362	A	45	39	39	Negligible
NL_PL_149	Residential	429196	296479	A	45	23	23	Negligible
NL_PL_150	Residential	429210	296479	A	45	22	22	Negligible
NL_PL_151	Residential	429215	296476	A	45	21	21	Negligible
NL_PL_152	Residential	429263	296451	A	45	22	22	Negligible
NL_PL_153	Residential	429269	296448	A	45	20	20	Negligible
NL_PL_154	Residential	429700	296579	A	45	20	20	Negligible
NL_PL_155	Residential	430080	296452	A	45	19	19	Negligible
NL_PL_156	Residential	430085	296444	A	45	18	18	Negligible
NL_PL_157	Residential	430091	296416	A	45	19	19	Negligible
NL_PL_158	Residential	430228	296325	A	45	16	16	Negligible
NL_PL_159	Residential	430396	297000	A	45	36	36	Negligible
NL_PL_160	Residential	430420	297060	A	45	41	41	Minor

Receptor ID	Receptor Type	Coordinates (British National Grid)		ABC Category	Criterion	Predicted Evening Time Noise Level (dB LAeq,T)	Max. Night-time Noise Level (LAeq,10hr)	Magnitude of Impact
		X (Easting)	Y (Northing)			Trenchless Crossings Pipe-jacking & Ground-works		
NL_PL_161	Residential	430442	297087	A	45	42	42	Minor
NL_PL_162	Residential	430409	297099	A	45	37	37	Negligible
NL_PL_163	Residential	430391	297100	A	45	32	32	Negligible
NL_PL_164	Residential	430391	297114	A	45	37	37	Negligible
NL_PL_165	Residential	430448	297101	A	45	45	45	Minor
NL_PL_166	Residential	430453	297113	A	45	46	46	Moderate
NL_PL_167	Residential	430458	297121	A	45	47	47	Moderate
NL_PL_168	Residential	430478	297139	A	45	51	51	Major
NL_PL_169	Residential	430481	297142	A	45	52	52	Major
NL_PL_170	Residential	430482	297147	A	45	53	53	Major
NL_PL_171	Residential	430485	297151	A	45	53	53	Major
NL_PL_172	Residential	430486	297155	A	45	54	54	Major
NL_PL_173	Residential	430488	297160	A	45	56	56	Major
NL_PL_174	Residential	430491	297164	A	45	55	55	Major
NL_PL_175	Residential	430521	297154	A	45	59	59	Major
NL_PL_176	Residential	430521	297159	A	45	54	54	Major
NL_PL_177	Residential	430524	297165	A	45	47	47	Moderate
NL_PL_178	Residential	430526	297170	A	45	44	44	Minor
NL_PL_179	Residential	430529	297176	A	45	43	43	Minor
NL_PL_180	Residential	430532	297182	A	45	44	44	Minor
NL_PL_181	Residential	430499	297182	A	45	48	48	Moderate
NL_PL_182	Residential	430504	297193	A	45	45	45	Minor
NL_PL_183	Residential	430507	297197	A	45	43	43	Minor
NL_PL_184	Residential	430511	297201	A	45	43	43	Minor
NL_PL_185	Residential	430512	297205	A	45	43	43	Minor
NL_PL_186	Residential	430464	297196	A	45	44	44	Minor
NL_PL_187	Residential	430457	297198	A	45	37	37	Negligible
NL_PL_188	Residential	430449	297200	A	45	39	39	Negligible
NL_PL_189	Residential	430441	297202	A	45	38	38	Negligible
NL_PL_190	Residential	430452	297171	A	45	43	43	Minor
NL_PL_191	Residential	430446	297172	A	45	38	38	Negligible
NL_PL_192	Residential	430433	297172	A	45	38	38	Negligible
NL_PL_193	Residential	430426	297175	A	45	36	36	Negligible
NL_PL_194	Residential	430427	297129	A	45	43	43	Minor
NL_PL_195	Residential	430416	297133	A	45	43	43	Minor
NL_PL_196	Residential	430401	297135	A	45	31	31	Negligible
NL_PL_197	Residential	430568	297161	A	45	48	48	Moderate

Receptor ID	Receptor Type	Coordinates (British National Grid)		ABC Category	Criterion	Predicted Evening Time Noise Level (dB LAeq,T)	Max. Night-time Noise Level (LAeq,10hr)	Magnitude of Impact
		X (Easting)	Y (Northing)			Trenchless Crossings Pipe-jacking & Ground-works		
NL_PL_198	Residential	430572	297159	A	45	49	49	Moderate
NL_PL_199	Residential	430576	297157	A	45	49	49	Moderate
NL_PL_200	Residential	430579	297155	A	45	47	47	Moderate
NL_PL_201	Residential	430583	297153	A	45	46	46	Moderate
NL_PL_202	Residential	430587	297150	A	45	50	50	Moderate
NL_PL_203	Residential	430590	297149	A	45	49	49	Moderate
NL_PL_204	Residential	430593	297147	A	45	49	49	Moderate
NL_PL_205	Residential	430596	297145	A	45	49	49	Moderate
NL_PL_206	Residential	430601	297135	A	45	49	49	Moderate
NL_PL_207	Residential	430606	297132	A	45	49	49	Moderate
NL_PL_208	Residential	430623	297130	A	45	46	46	Moderate
NL_PL_209	Residential	430631	297130	A	45	45	45	Minor
NL_PL_210	Residential	430647	297129	A	45	45	45	Minor
NL_PL_211	Residential	430655	297130	A	45	44	44	Minor
NL_PL_212	Residential	430661	297121	A	45	46	46	Moderate
NL_PL_213	Residential	430665	297115	A	45	47	47	Moderate
NL_PL_214	Residential	430668	297113	A	45	47	47	Moderate
NL_PL_215	Residential	430672	297110	A	45	47	47	Moderate
NL_PL_216	Residential	430677	297106	A	45	47	47	Moderate
NL_PL_217	Residential	430680	297084	A	45	48	48	Moderate
NL_PL_218	Residential	430681	297088	A	45	45	45	Minor
NL_PL_219	Residential	430685	297091	A	45	44	44	Minor
NL_PL_220	Residential	430688	297094	A	45	43	43	Minor
NL_PL_221	Residential	430690	297098	A	45	43	43	Minor
NL_PL_222	Residential	430541	297197	A	45	43	43	Minor
NL_PL_223	Residential	430542	297200	A	45	39	39	Negligible
NL_PL_224	Residential	430579	297181	A	45	36	36	Negligible
NL_PL_225	Residential	430581	297180	A	45	37	37	Negligible
NL_PL_226	Residential	430585	297178	A	45	36	36	Negligible
NL_PL_227	Residential	430588	297176	A	45	36	36	Negligible
NL_PL_228	Residential	430591	297174	A	45	35	35	Negligible
NL_PL_229	Residential	430595	297172	A	45	36	36	Negligible
NL_PL_230	Residential	430597	297170	A	45	34	34	Negligible
NL_PL_231	Residential	430600	297169	A	45	35	35	Negligible
NL_PL_232	Residential	430605	297168	A	45	34	34	Negligible
NL_PL_233	Residential	430608	297165	A	45	38	38	Negligible
NL_PL_234	Residential	430614	297159	A	45	36	36	Negligible

Receptor ID	Receptor Type	Coordinates (British National Grid)		ABC Category	Criterion	Predicted Evening Time Noise Level (dB LAeq,T)	Max. Night-time Noise Level (LAeq,10hr)	Magnitude of Impact
		X (Easting)	Y (Northing)			Trenchless Crossings Pipe-jacking & Ground-works		
NL_PL_235	Residential	430620	297155	A	45	37	37	Negligible
NL_PL_236	Residential	430629	297152	A	45	37	37	Negligible
NL_PL_237	Residential	430638	297151	A	45	38	38	Negligible
NL_PL_238	Residential	430665	297156	A	45	33	33	Negligible
NL_PL_239	Residential	430672	297152	A	45	33	33	Negligible
NL_PL_240	Residential	430698	297157	A	45	32	32	Negligible
NL_PL_241	Residential	430703	297155	A	45	30	30	Negligible
NL_PL_242	Residential	430708	297153	A	45	32	32	Negligible
NL_PL_243	Residential	430712	297150	A	45	34	34	Negligible
NL_PL_244	Residential	430722	297146	A	45	37	37	Negligible
NL_PL_245	Residential	430727	297142	A	45	35	35	Negligible
NL_PL_246	Residential	430730	297140	A	45	35	35	Negligible
NL_PL_247	Residential	430737	297138	A	45	35	35	Negligible
NL_PL_248	Residential	430697	297174	A	45	33	33	Negligible
NL_PL_249	Residential	430691	297176	A	45	32	32	Negligible
NL_PL_250	Residential	430683	297179	A	45	31	31	Negligible
NL_PL_251	Residential	430680	297183	A	45	31	31	Negligible
NL_PL_252	Residential	430671	297185	A	45	29	29	Negligible
NL_PL_253	Residential	430667	297189	A	45	30	30	Negligible
NL_PL_254	Residential	430732	297162	A	45	31	31	Negligible
NL_PL_255	Residential	430734	297166	A	45	31	31	Negligible
NL_PL_256	Residential	430736	297170	A	45	32	32	Negligible
NL_PL_257	Residential	430738	297175	A	45	33	33	Negligible
NL_PL_258	Residential	430746	297157	A	45	32	32	Negligible
NL_PL_259	Residential	430755	297153	A	45	35	35	Negligible
NL_PL_260	Residential	430759	297151	A	45	37	37	Negligible
NL_PL_261	Residential	430765	297147	A	45	38	38	Negligible
NL_PL_262	Residential	430770	297145	A	45	39	39	Negligible
NL_PL_263	Residential	430779	297141	A	45	39	39	Negligible
NL_PL_264	Residential	430783	297139	A	45	39	39	Negligible
NL_PL_265	Residential	430790	297135	A	45	39	39	Negligible
NL_PL_266	Residential	430800	297130	A	45	39	39	Negligible
BPT_001	Residential	428369	296503	A	45	59	59	Major
BPT_002	Residential	428390	296409	A	45	50	50	Moderate
BPT_003	Residential	428421	296368	A	45	38	38	Negligible
BPT_004	Residential	428563	296171	A	45	34	34	Negligible
BPT_005	Residential	428917	296604	A	45	29	29	Negligible

Receptor ID	Receptor Type	Coordinates (British National Grid)		ABC Category	Criterion	Predicted Evening Time Noise Level (dB LAeq,T)	Max. Night-time Noise Level (LAeq,10hr)	Magnitude of Impact
		X (Easting)	Y (Northing)			Trenchless Crossings Pipe-jacking & Ground-works		
BPT_006	Residential	428746	296579	A	45	34	34	Negligible
BPT_007	Residential	428944	297028	A	45	31	31	Negligible

Table 5: Part 1b Predicted Noise Levels from Construction of Break Pressure Tank

Receptor ID	Receptor Type	Coordinates (British National Grid)		ABC Category	Criterion	Predicted Noise Level (dB LAeq,T)								Max. Daytime Noise Level (LAeq,10hr)	Magnitude of Impact
		X (Easting)	Y (Northing)			BPT Pipe-Laying	BPT Piling	BPT Earthworks	BPT FRC Precast	BPT Planting	BPT MEICA fit out	BPT Dry Wet Testing	BPT Reinstatement Earthworks		
BPT_001	Residential	428369	296503	A	65	53	60	54	56	56	56	48	48	69	Moderate
BPT_002	Residential	428390	296409	A	65	51	57	52	54	53	53	46	46	60	Negligible
BPT_003	Residential	428421	296368	A	65	52	58	53	55	54	54	47	47	58	Negligible
BPT_004	Residential	428563	296171	A	65	42	49	44	45	43	43	36	36	49	Negligible
BPT_005	Residential	428917	296604	A	65	46	53	48	49	47	47	40	40	53	Negligible
BPT_006	Residential	428746	296579	A	65	69	75	70	72	72	72	64	64	75	Major
BPT_007	Residential	428944	297028	A	65	46	53	48	49	49	49	41	41	53	Negligible