

Appendix 19-P1A-1: Part 1a Predicted Construction Noise Levels

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Appendix 19-P1A-1: Part 1a Predicted Construction Noise Levels

- 1.1.1 This appendix lists the predicted construction noise levels for Part 1a of the Proposed Development (as shown in **Table 1**).

Table 1: Part 1a Predicted Construction Noise Levels

Receptor ID	Receptor Type	Coordinates (British National Grid)		ABC Category	Criterion	Predicted Noise Level (dB $L_{Aeq,T}$)								Max. Noise Level ($L_{Aeq,10hr}$)	Magnitude of Impact
		X (Easting)	Y (Northing)			Pipe-Laying	Piling	Earthworks	FRC Precast	Planting	MEICA fit out	Dry Wet Testing	Structural		
AWTP_001	Residential	415926	292403	B	70	35	40	36	38	35	38	30	33	40	Negligible
AWTP_002	Residential	415902	292312	B	70	33	38	35	36	34	35	28	32	38	Negligible
AWTP_003	Residential	415899	292305	B	70	33	37	35	37	34	35	28	32	37	Negligible
AWTP_004	Residential	415893	292282	B	70	35	38	34	36	33	34	27	31	38	Negligible
AWTP_005	Residential	415890	292274	B	70	32	34	34	35	33	34	27	31	35	Negligible
AWTP_006	Residential	415887	292250	B	70	35	39	36	37	35	36	29	33	39	Negligible
AWTP_007	Residential	415886	292244	B	70	35	40	35	37	34	35	28	32	40	Negligible
AWTP_008	Residential	415896	292175	B	70	35	39	37	39	36	38	31	34	39	Negligible
AWTP_009	Residential	415953	292070	B	70	36	40	37	39	36	39	31	35	40	Negligible
AWTP_010	Residential	415955	292019	B	70	36	40	37	38	35	38	30	34	40	Negligible
AWTP_011	Residential	415958	292010	B	70	36	40	37	39	36	38	30	34	40	Negligible
AWTP_012	Residential	415954	291992	B	70	35	40	35	37	34	35	28	32	40	Negligible
AWTP_013	Residential	416063	291863	B	70	31	35	33	35	32	33	26	30	35	Negligible
AWTP_014	Residential	416055	291864	B	70	31	35	35	37	34	36	28	32	37	Negligible
AWTP_015	Residential	416041	291872	B	70	31	35	36	37	34	36	29	33	37	Negligible
AWTP_016	Residential	416032	291872	B	70	30	35	34	35	32	34	26	31	35	Negligible
AWTP_017	Residential	416024	291879	B	70	31	36	33	35	32	33	26	30	36	Negligible
AWTP_018	Residential	416011	291880	B	70	30	35	32	33	30	31	24	29	35	Negligible
AWTP_019	Residential	415999	291884	B	70	30	35	30	31	28	29	22	27	35	Negligible
AWTP_020	Residential	415989	291887	B	70	30	35	34	35	33	34	27	31	35	Negligible
AWTP_021	Residential	415974	291891	B	70	31	36	35	36	33	35	28	32	36	Negligible
AWTP_022	Residential	415967	291893	B	70	31	36	32	34	31	32	25	29	36	Negligible
AWTP_023	Residential	415953	291901	B	70	30	36	32	34	31	32	25	29	36	Negligible
AWTP_024	Residential	415946	291905	B	70	31	36	34	36	33	34	27	31	36	Negligible
AWTP_025	Residential	415937	291915	B	70	30	37	33	35	32	33	26	30	37	Negligible
AWTP_026	Residential	415934	291920	B	70	31	38	32	34	31	32	25	29	38	Negligible
AWTP_027	Residential	415929	291927	B	70	29	35	30	32	29	30	23	27	35	Negligible
AWTP_028	Residential	415927	291931	B	70	30	35	30	32	29	30	22	27	35	Negligible
AWTP_029	Residential	415922	291937	B	70	31	38	32	33	30	31	24	29	38	Negligible
AWTP_030	Residential	415920	291941	B	70	31	40	31	33	30	31	24	28	40	Negligible
AWTP_031	Residential	415949	291987	B	70	35	40	33	35	32	33	26	30	40	Negligible
AWTP_032	Residential	415914	291952	B	70	32	39	33	34	31	32	25	30	39	Negligible
AWTP_033	Residential	416461	291614	B	70	38	43	39	41	38	40	33	37	43	Negligible
AWTP_034	Residential	416511	291586	B	70	36	41	38	39	36	38	31	35	41	Negligible
AWTP_035	Residential	416941	291170	A	65	38	43	38	39	36	39	31	35	43	Negligible
AWTP_036	Residential	416951	291173	A	65	39	43	40	42	39	41	34	37	43	Negligible
AWTP_037	Residential	416961	291176	A	65	39	44	40	42	39	41	34	37	44	Negligible

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		X (Easting)	Y (Northing)			Pipe-Laying	Piling	Earthworks	FRC Precast	Planting	MEICA fit out	Dry Wet Testing	Structural		
AWTP_038	Residential	416970	291178	A	65	39	44	39	41	38	41	33	37	44	Negligible
AWTP_039	Residential	416980	291180	A	65	39	44	39	41	38	41	33	37	44	Negligible
AWTP_040	Residential	416991	291182	A	65	39	44	39	41	38	41	33	37	44	Negligible
AWTP_041	Residential	416999	291183	A	65	38	44	38	40	37	40	32	36	44	Negligible
AWTP_042	Residential	417022	291186	A	65	39	45	39	41	38	41	33	37	45	Negligible
AWTP_043	Residential	417045	291177	A	65	38	44	38	40	37	39	32	35	44	Negligible
AWTP_044	Residential	417059	291177	A	65	38	43	39	41	38	40	33	36	43	Negligible
AWTP_045	Residential	417066	291177	A	65	38	43	39	41	38	40	33	36	43	Negligible
AWTP_046	Residential	417076	291177	A	65	38	43	39	41	38	41	33	37	43	Negligible
AWTP_047	Residential	417087	291173	A	65	38	43	39	41	38	40	33	36	43	Negligible
AWTP_048	Residential	417095	291173	A	65	38	43	38	40	37	39	32	36	43	Negligible
AWTP_049	Residential	417107	291174	A	65	38	43	39	40	38	40	32	36	43	Negligible
AWTP_050	Residential	417116	291176	A	65	38	43	38	40	37	39	32	35	43	Negligible
AWTP_051	Residential	417125	291177	A	65	38	43	39	41	38	40	33	36	43	Negligible
AWTP_052	Residential	417136	291178	A	65	38	43	38	40	37	39	32	35	43	Negligible
AWTP_053	Residential	417147	291178	A	65	38	43	39	41	38	40	32	36	43	Negligible
AWTP_054	Residential	417154	291179	A	65	38	43	39	40	38	40	32	36	43	Negligible
AWTP_055	Residential	417163	291177	A	65	38	43	39	40	38	40	32	36	43	Negligible
AWTP_056	Residential	417175	291178	A	65	38	43	39	41	38	40	32	36	43	Negligible
AWTP_057	Residential	417216	291140	A	65	35	39	32	34	31	32	25	29	39	Negligible
AWTP_058	Residential	417207	291133	A	65	32	37	31	32	29	30	23	28	37	Negligible
AWTP_059	Residential	417249	291105	A	65	33	39	33	34	31	32	25	30	39	Negligible
AWTP_060	Residential	417256	291107	A	65	35	40	34	35	32	33	27	31	40	Negligible
AWTP_061	Residential	417264	291108	A	65	36	39	36	38	35	37	29	33	39	Negligible
AWTP_062	Residential	417271	291111	A	65	34	39	33	35	32	33	26	30	39	Negligible
AWTP_063	Residential	417280	291116	A	65	34	38	35	36	34	35	28	32	38	Negligible
AWTP_064	Residential	417287	291116	A	65	34	39	32	33	31	31	25	29	39	Negligible
AWTP_065	Residential	417294	291119	A	65	33	37	32	34	31	32	25	29	37	Negligible
AWTP_066	Residential	417302	291121	A	65	32	38	33	34	31	32	25	30	38	Negligible
AWTP_067	Residential	417309	291129	A	65	35	38	33	35	32	33	26	30	38	Negligible
AWTP_068	Residential	417313	291133	A	65	34	38	34	36	33	34	27	31	38	Negligible
AWTP_069	Residential	417322	291137	A	65	35	39	34	36	33	34	27	31	39	Negligible
AWTP_070	Residential	417327	291142	A	65	32	37	30	31	28	29	22	27	37	Negligible
AWTP_071	Residential	417336	291146	A	65	32	38	35	37	34	35	28	32	38	Negligible
AWTP_072	Residential	417341	291151	A	65	33	37	30	32	29	30	23	27	37	Negligible
AWTP_073	Residential	417349	291156	A	65	35	38	35	37	34	36	28	32	38	Negligible
AWTP_074	Residential	417354	291162	A	65	35	39	35	36	33	35	28	32	39	Negligible
AWTP_075	Residential	417363	291167	A	65	35	39	37	39	36	38	30	34	39	Negligible

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		X (Easting)	Y (Northing)			Pipe-Laying	Piling	Earthworks	FRC Precast	Planting	MEICA fit out	Dry Wet Testing	Structural		
AWTP_076	Residential	417374	291173	A	65	35	38	37	38	35	37	30	34	38	Negligible
AWTP_077	Residential	417383	291178	A	65	34	38	36	38	35	37	30	33	38	Negligible
AWTP_078	Residential	417390	291305	A	65	37	41	37	39	36	38	31	34	41	Negligible
AWTP_079	Residential	417388	291309	A	65	36	41	37	39	36	38	31	35	41	Negligible
AWTP_080	Residential	417387	291313	A	65	36	40	37	39	36	38	30	34	40	Negligible
AWTP_081	Residential	417384	291318	A	65	37	40	37	39	36	37	30	34	40	Negligible
AWTP_082	Residential	417383	291323	A	65	36	41	34	35	33	34	27	31	41	Negligible
AWTP_083	Residential	417398	291336	A	65	40	45	40	42	39	41	34	37	45	Negligible
AWTP_084	Residential	417402	291338	A	65	40	45	41	42	39	41	34	38	45	Negligible
AWTP_085	Residential	417406	291339	A	65	41	45	41	42	40	41	34	38	45	Negligible
AWTP_086	Residential	417411	291341	A	65	40	45	41	42	39	41	34	38	45	Negligible
AWTP_087	Residential	417417	291342	A	65	37	42	39	41	38	40	32	36	42	Negligible
AWTP_088	Residential	417421	291344	A	65	41	45	40	42	39	41	34	38	45	Negligible
AWTP_089	Residential	417424	291346	A	65	40	45	40	42	39	41	34	38	45	Negligible
AWTP_090	Residential	417432	291348	A	65	41	45	40	42	39	41	34	38	45	Negligible
AWTP_091	Residential	417437	291351	A	65	41	45	40	42	39	41	34	37	45	Negligible
AWTP_092	Residential	417442	291354	A	65	41	45	40	42	39	41	34	37	45	Negligible
AWTP_093	Residential	417445	291355	A	65	40	45	40	42	39	41	34	37	45	Negligible
AWTP_094	Residential	417450	291357	A	65	39	42	39	41	38	40	32	36	42	Negligible
AWTP_095	Residential	417454	291360	A	65	41	45	39	41	38	40	33	36	45	Negligible
AWTP_096	Residential	417452	291406	A	65	38	42	37	38	36	37	30	34	42	Negligible
AWTP_097	Residential	417457	291404	A	65	39	43	38	39	36	37	31	35	43	Negligible
AWTP_098	Residential	417475	291396	A	65	39	43	38	40	37	38	31	35	43	Negligible
AWTP_099	Residential	417510	291377	A	65	40	43	39	41	38	39	32	36	43	Negligible
AWTP_100	Residential	417516	291398	A	65	41	44	40	41	38	40	33	37	44	Negligible
AWTP_101	Residential	417535	291405	A	65	41	44	40	41	38	39	33	37	44	Negligible
AWTP_102	Residential	417552	291410	A	65	42	45	39	41	38	39	32	36	45	Negligible
AWTP_103	Residential	417617	291423	A	65	41	45	38	40	37	38	32	36	45	Negligible
AWTP_104	Residential	417626	291423	A	65	41	45	39	40	37	38	32	36	45	Negligible
AWTP_105	Residential	417630	291424	A	65	43	46	40	42	39	40	33	37	46	Negligible
AWTP_106	Residential	417634	291425	A	65	43	45	40	41	39	39	33	37	45	Negligible
AWTP_107	Residential	417638	291427	A	65	42	45	39	40	38	39	32	36	45	Negligible
AWTP_108	Residential	417641	291428	A	65	38	42	35	37	34	34	28	32	42	Negligible
AWTP_109	Residential	417642	291434	A	65	38	43	36	38	35	36	29	33	43	Negligible
AWTP_110	Residential	417648	291440	A	65	42	46	39	41	38	39	33	36	46	Negligible
AWTP_111	Residential	417652	291442	A	65	41	46	38	39	36	37	31	35	46	Negligible
AWTP_112	Residential	417659	291443	A	65	41	45	39	40	37	38	32	36	45	Negligible
AWTP_113	Residential	417665	291446	A	65	37	44	33	35	32	32	26	30	44	Negligible

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		X (Easting)	Y (Northing)			Pipe-Laying	Piling	Earthworks	FRC Precast	Planting	MEICA fit out	Dry Wet Testing	Structural		
AWTP_114	Residential	417669	291451	A	65	37	44	33	35	32	32	26	30	44	Negligible
AWTP_115	Residential	417677	291454	A	65	43	47	39	41	38	39	32	37	47	Negligible
AWTP_116	Residential	417685	291456	A	65	40	43	37	39	36	37	30	34	43	Negligible
AWTP_117	Residential	417701	291466	A	65	43	48	40	42	39	40	34	37	48	Negligible
AWTP_118	Residential	417706	291467	A	65	43	48	40	41	39	39	33	37	48	Negligible
AWTP_119	Residential	417716	291469	A	65	41	46	38	40	37	38	31	36	46	Negligible
AWTP_120	Residential	417722	291473	A	65	42	47	39	40	38	39	33	36	47	Negligible
AWTP_121	Residential	417734	291476	A	65	42	47	39	41	38	39	33	37	47	Negligible
AWTP_122	Residential	417865	291368	A	65	40	45	37	38	36	37	32	35	45	Negligible
AWTP_123	Residential	417858	291365	A	65	40	44	37	39	36	37	32	35	44	Negligible
AWTP_124	Residential	417847	291360	A	65	41	45	38	39	37	37	32	35	45	Negligible
AWTP_125	Residential	418180	291471	A	65	37	44	34	35	33	33	29	32	44	Negligible
AWTP_126	Residential	418202	291481	A	65	39	44	37	38	35	36	31	34	44	Negligible
AWTP_127	Residential	418209	291480	A	65	39	44	37	38	35	36	31	34	44	Negligible
AWTP_128	Residential	418217	291479	A	65	39	44	36	38	35	36	31	34	44	Negligible
AWTP_129	Residential	418226	291482	A	65	39	44	36	38	35	36	31	34	44	Negligible
AWTP_130	Residential	418386	292281	A	65	61	70	60	61	60	61	60	60	70	Moderate
AWTP_131	Residential	418311	292279	A	65	64	70	64	64	64	64	64	64	70	Moderate
AWTP_132	Residential	418157	292371	A	65	60	65	56	57	55	57	51	53	65	Minor
AWTP_133	Residential	418067	292366	A	65	61	62	55	57	54	57	50	53	62	Minor
AWTP_134	Residential	418058	292366	A	65	51	55	46	47	44	47	39	43	55	Negligible
AWTP_135	Residential	418049	292369	A	65	60	62	54	56	53	56	49	52	62	Minor
AWTP_136	Residential	418038	292371	A	65	59	57	53	55	52	55	47	51	59	Negligible
AWTP_137	Residential	418025	292388	A	65	53	53	49	51	48	50	44	47	53	Negligible
AWTP_138	Residential	417998	292374	A	65	60	59	54	56	53	56	48	52	60	Negligible
AWTP_139	Residential	417920	292402	A	65	57	58	52	54	51	54	46	49	58	Negligible
AWTP_140	Residential	417879	292388	A	65	57	57	52	54	51	54	46	49	57	Negligible
AWTP_141	Residential	417859	292379	A	65	60	59	54	56	53	56	48	51	60	Negligible
AWTP_142	Residential	417809	292379	A	65	62	56	55	57	54	56	49	52	62	Minor
AWTP_143	Residential	417772	292385	A	65	65	57	57	59	56	59	51	54	65	Minor
AWTP_144	Residential	417232	292671	B	70	53	59	52	54	51	53	46	49	59	Negligible
AWTP_145	Residential	416684	292570	B	70	44	50	43	45	42	44	37	40	50	Negligible
AWTP_146	Residential	416673	292560	B	70	44	46	48	50	47	50	42	46	50	Negligible
AWTP_147	Residential	416666	292554	B	70	44	50	48	50	48	50	43	46	50	Negligible
AWTP_148	Residential	416655	292546	B	70	44	50	48	50	47	50	42	45	50	Negligible
AWTP_149	Residential	416640	292541	B	70	45	51	48	50	47	50	42	45	51	Negligible
AWTP_150	Residential	416630	292537	B	70	45	50	48	50	47	50	42	46	50	Negligible
AWTP_151	Residential	416622	292533	B	70	45	51	48	50	48	50	42	46	51	Negligible

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AWTP_152	Residential	416616	292531	B	70	44	51	48	50	47	50	42	46	51	Negligible
AWTP_153	Residential	416485	292489	B	70	43	50	45	47	44	47	39	43	50	Negligible
AWTP_154	Residential	416451	292476	B	70	42	48	47	49	46	49	41	44	49	Negligible
AWTP_155	Residential	416428	292472	B	70	42	48	46	48	45	48	40	43	48	Negligible
AWTP_156	Residential	416192	292420	B	70	35	36	42	44	41	44	36	39	44	Negligible
AWTP_157	Residential	416188	292420	B	70	38	41	42	44	41	44	36	40	44	Negligible