



Appendix 19-P4A-1: Part 4a Predicted Construction Noise Levels

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Appendix 19-P4A-1: Part 4a Predicted Construction Noise Levels H1

1. Introduction

- 1.1.1 This appendix lists the predicted construction noise levels for Part 4a of the Proposed Development.

2. Predicted Construction Noise Levels

- 2.1.1 **Table 1** presents the predicted noise levels from construction of Part 4a (abstraction, storage and treatment).

Table 1: Predicted Noise Levels from Construction of Abstraction, Storage and Treatment

Receptor ID	Receptor Type	Coordinates (British National Grid)		ABC Category	Criterion	Predicted Noise Level (dB LAeq,T)			Max. Noise Level (LAeq,10hr)	Magnitude of Impact
		X (Easting)	Y (Northing)			Water Storage Construction	Treatment Works	Access Road		
SouthWest_of_A4146_REF_01	Non-residential	488310	231668	A	65	54	68	52	68	Moderate
SouthWest_of_A4146_REF_02	Non-residential	488310	231619	A	65	54	63	51	63	Minor
SouthWest_of_A4146_REF_03	Non-residential	488311	231571	A	65	54	58	45	58	Negligible
SouthWest_of_A4146_REF_04	Non-residential	488275	231563	A	65	53	55	48	55	Negligible
SouthWest_of_A4146_REF_05	Non-residential	488299	231517	A	65	54	55	49	55	Negligible
SouthWest_of_A4146_REF_06	Non-residential	488319	231270	A	65	52	54	47	54	Negligible
SouthWest_of_A4146_REF_07	Non-residential	488294	231213	A	65	52	51	44	52	Negligible
NorthWest_of_A4146_REF_01	Residential	488176	231777	A	65	52	56	50	56	Negligible
NorthWest_of_A4146_REF_02	Residential	488159	231812	A	65	52	55	50	55	Negligible
NorthWest_of_A4146_REF_03	Residential	488122	231816	A	65	50	54	49	54	Negligible
NorthWest_of_A4146_REF_04	Residential	488121	231852	A	65	52	55	49	55	Negligible
NorthWest_of_A4146_REF_05	Residential	488149	231894	A	65	51	54	50	54	Negligible
NorthWest_of_A4146_REF_06	Residential	488133	231948	A	65	51	54	50	54	Negligible
NorthWest_of_A4146_REF_07	Residential	488120	231974	A	65	51	54	50	54	Negligible
NorthWest_of_A4146_REF_08	Residential	488101	232013	A	65	51	53	49	53	Negligible
NorthWest_of_A4146_REF_09	Residential	488114	231717	A	65	52	55	49	55	Negligible
NorthWest_of_A4146_REF_10	Residential	488124	231753	A	65	52	55	49	55	Negligible
NorthWest_of_A4146_REF_11	Residential	488083	231883	A	65	50	53	48	53	Negligible
NorthWest_of_A4146_REF_12	Residential	488062	231956	A	65	49	51	45	51	Negligible
NorthWest_of_A4146_REF_13	Residential	488054	232006	A	65	44	46	41	46	Negligible
NorthWest_of_A4146_REF_14	Residential	488090	231732	A	65	49	52	43	52	Negligible
NorthWest_of_A4146_REF_15	Residential	488084	231756	A	65	48	50	46	50	Negligible
NorthWest_of_A4146_REF_16	Residential	488098	231787	A	65	52	54	48	54	Negligible
NorthWest_of_A4146_REF_17	Residential	488037	231938	A	65	48	50	44	50	Negligible
NorthWest_of_A4146_REF_18	Residential	488019	232025	A	65	44	47	43	47	Negligible
NorthWest_of_A4146_REF_19	Residential	488018	232086	A	65	48	51	48	51	Negligible
NorthWest_of_A4146_REF_20	Residential	488015	232135	A	65	48	52	48	52	Negligible
SouthEast_of_A4146_REF_01	Non-residential	489198	232015	A	65	63	57	51	63	Minor
SouthEast_of_A4146_REF_02	Non-residential	489197	232048	A	65	61	57	51	61	Minor
SouthEast_of_A4146_REF_03	Non-residential	489211	232093	A	65	59	56	51	59	Negligible
SouthEast_of_A4146_REF_04	Non-residential	489154	232151	A	65	59	57	52	59	Negligible
SouthEast_of_A4146_REF_05	Non-residential	489173	232169	A	65	50	56	52	56	Negligible
SouthEast_of_A4146_REF_06	Non-residential	489200	232205	A	65	51	56	51	56	Negligible
SouthEast_of_A4146_REF_07	Non-residential	489281	232172	A	65	55	53	44	55	Negligible
SouthEast_of_A4146_REF_08	Non-residential	489492	232081	A	65	56	52	45	56	Negligible
SouthEast_of_A4146_REF_09	Non-residential	489513	232045	A	65	55	52	45	55	Negligible

Receptor ID	Receptor Type	Coordinates (British National Grid)		ABC Category	Criterion	Predicted Noise Level (dB LAeq,T)			Max. Noise Level (LAeq,10hr)	Magnitude of Impact
		X (Easting)	Y (Northing)			Water Storage Construction	Treatment Works	Access Road		
SouthEast_of_A4146_REF_10	Non-residential	489586	232023	A	65	55	49	41	55	Negligible
Willowbridge Marina - L4 Mooring	Residential	488338	231631	A	65	54	63	49	63	Minor
Explanations of each assessment scenario: a. Water Storage Construction: This scenario includes construction activities of site setup, excavation and spoil storage, spoil management, and embankment construction. b. Treatment Works: This scenario includes the construction of the water treatment work. c. Access Road: This scenario includes construction works required for the construction of the access road.										