

Project: 25278 Agreement No. CE61/2007 (CE) North East New Territories New Development Areas Planning and Engineering Study
Tilte: Predicted Sound Pressure Level for Sewage Treatment Works Extension (FLN A2-3)

Predicted SPL at NSRs at Various Floor Levels - FN-18

NSR	AP	Floor	Floor Level, mpd	STW, dB(A)	Slant Distance, m	Distance Correction, dB(A)	Tonality, dB(A)	Facade, dB(A)	Noise Level, dB(A)	Cumulative Impact, dB(A)
FN-18 [1]	R9027	1	8	83	240	-56	3	3	33	48
		2	11	83	240	-56	3	3	33	48
		3	14	83	240	-56	3	3	33	48

Note:

[1] According to AEP-218/2005 "Expansion of Shek Wu Hui Sewage Treatment Works", the predicted noise level is 48dB(A).

To include the cumulative impacts from the existing STW, noise criterion for FN-18 is 45dB(A) to achieve the night time criteria of 50dB(A)

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Predicted SPL at NSRs at Various Floor Levels - FLN A1-4

NSR	AP	Floor	Floor Level, mpd	STW, dB(A)	Slant Distance, m	Distance Correction, dB(A)	Tonality, dB(A)	Facade, dB(A)	Noise Level, dB(A)	Cumulative Impact, dB(A)
FLN A1-4 [1]	R4802	1	6	83	125	-50	3	3	39	48

Note:

[1] According to AEP-218/2005 "Expansion of Shek Wu Hui Sewage Treatment Works", the predicted noise level is 48dB(A).

To include the cumulative impacts from the existing STW, noise criterion for FN-18 is 45dB(A) to achieve the night time criteria of 50dB(A)

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Predicted SPL at NSRs at Various Floor Levels - FLN A1-3

NSR	AP	Floor	Floor Level, mpd	STW, dB(A)	Slant Distance, m	Distance Correction, dB(A)	Tonality, dB(A)	Facade, dB(A)	Noise Level, dB(A)	PS, dB(A)	Slant Distance, m	Distance Correction, dB(A)	Tonality, dB(A)	Facade, dB(A)	Noise Level, dB(A)	Cumulative Impact, dB(A)
FLN A1-3 [1]	R9025	1	9	83	120	-50	3	3	39	67	14	-31	3	3	42	49

Note:

[1] According to AEP-218/2005 "Expansion of Shek Wu Hui Sewage Treatment Works", the predicted noise level is 48dB(A).

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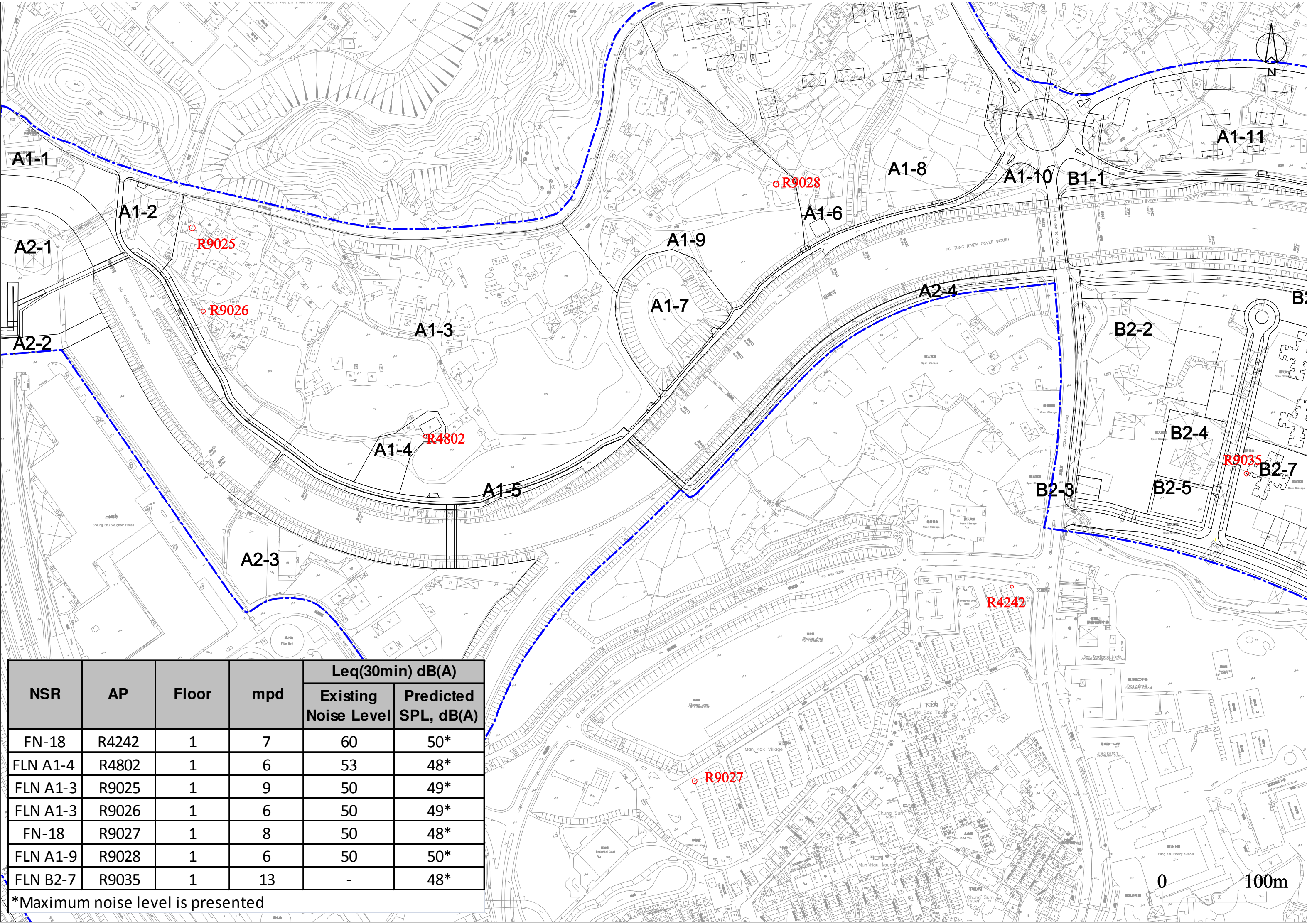
Predicted SPL at NSRs at Various Floor Levels - FLN A1-3

NSR	AP	Floor	Floor Level, mpd	STW, dB(A)	Slant Distance, m	Distance Correction, dB(A)	Tonality, dB(A)	Facade, dB(A)	Noise Level, dB(A)	PS, dB(A)	Slant Distance, m	Distance Correction, dB(A)	Tonality, dB(A)	Facade, dB(A)	Noise Level, dB(A)	Cumulative Impact, dB(A)
FLN A1-3 [1]	R9026	1	6	83	85	-47	3	3	42	67	55	-43	3	3	30	49

Note:

[1] According to AEP-218/2005 "Expansion of Shek Wu Hui Sewage Treatment Works", the predicted noise level is 48dB(A).

To include the cumulative impacts from the existing STW, noise criterion for FN-18 is 45dB(A) to achieve the night time criteria of 50dB(A)



NSR	AP	Floor	mpd	Leq(30min) dB(A)	
				Existing Noise Level	Predicted SPL, dB(A)
FN-18	R4242	1	7	60	50*
FLN A1-4	R4802	1	6	53	48*
FLN A1-3	R9025	1	9	50	49*
FLN A1-3	R9026	1	6	50	49*
FN-18	R9027	1	8	50	48*
FLN A1-9	R9028	1	6	50	50*
FLN B2-7	R9035	1	13	-	48*

*Maximum noise level is presented