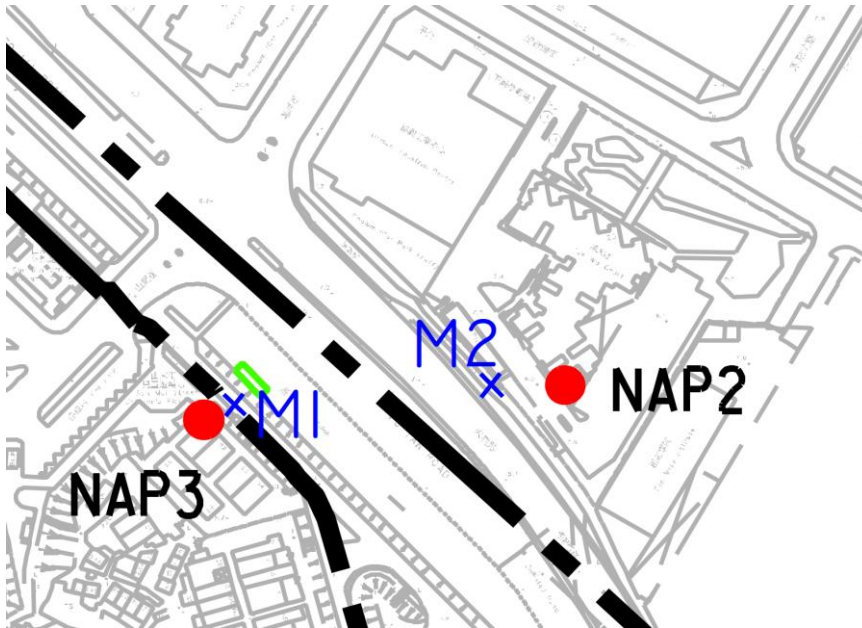


Appendix 4.1 Determination of Fixed Plant Noise Criteria

i. Measurement Results for Prevailing Background Noise Levels
 Locations of Prevailing Background Noise Measurement (M1 & M2)



Background Noise Survey Summary

Measurement Locations	Measurement Date	Time Period	Duration	Measurement Method
M1	8-Jul-22 & 9-Jul-22	Normal Working Day	Continuous 24 hours	Free-field
	10-Jul-22	Sunday / Public Holiday		
M2	8-Jul-22 & 9-Jul-22	Normal Working Day	Continuous 24 hours	Free-field
	10-Jul-22	Sunday / Public Holiday		

Background Noise Measurement Results

Measurement Location	Description	Time period	Dominant Noise Source	Measured Noise Levels ^{[1][2][3]}
				L ₉₀ (1 hour), dB(A)
M1	Fo Tan Village facing Fo Tan Nullah	Daytime (0700 - 1900 hours)	Noise from vehicles along Fo Tan Road.	59 - 67 (59)
		Evening (1900 - 2300 hours)		
M2	Yuk Wo Court facing Fo Tan Nullah	Daytime (0700 - 1900 hours)	Noise from construction site during normal working days and vehicles along Fo Tan Road.	60 - 69 (60)
		Evening (1900 - 2300 hours)		

Note:

[1] Figure in bracket is the minimum noise level measured during the respective time period.

[2] L₉₀(1 hour) is used as a measure of the background noise level.

[3] As the measurements were conducted in free-field condition, +2.5 dB(A) have been added to the measured noise levels to represent the measurement at 1m from a building façade.

Appendix 4.1 Determination of Fixed Plant Noise Criteria

ii. Fixed Plant Noise Criteria Adopted

NAP ID	Description	Type of Area Containing the Representative NSR	Within 100m from a zone designated as "Industrial" on Draft Sha Tin Outline Zoning Plan (OZP) No. S/ST/35	Area Sensitivity Rating	Time Period ^[1]	Planning Criteria (ANL-5), dB(A)	Fixed Plant Noise Criteria Adopted ^{[2][3]} , dB(A)
NAP2	Yuk Wo Court	Area other than urban, rural or low density residential area	Yes	C	Daytime & Evening	65	59
NAP3	51 Fo Tan Village	Rural area, including country parks or village type developments	Yes	C	Daytime & Evening	65	60

Notes:

[1] Daytime refers to 0700 to 1900 hours, while evening refers to 1900 to 2300 hours.

[2] The minimum background noise levels (in $L_{90(1\text{ hour})}$ measured in free-field condition) with the addition of +2.5 dB(A) façade correction would be adopted as fixed plant noise criteria if they are lower than the ANL-5 dB(A) planning criteria .

[3] There would be no night-time operation (2300 to 0700) for the proposed fixed plants. Only the noise criteria for day-time / evening (0700 to 2300 hrs) are therefore adopted.