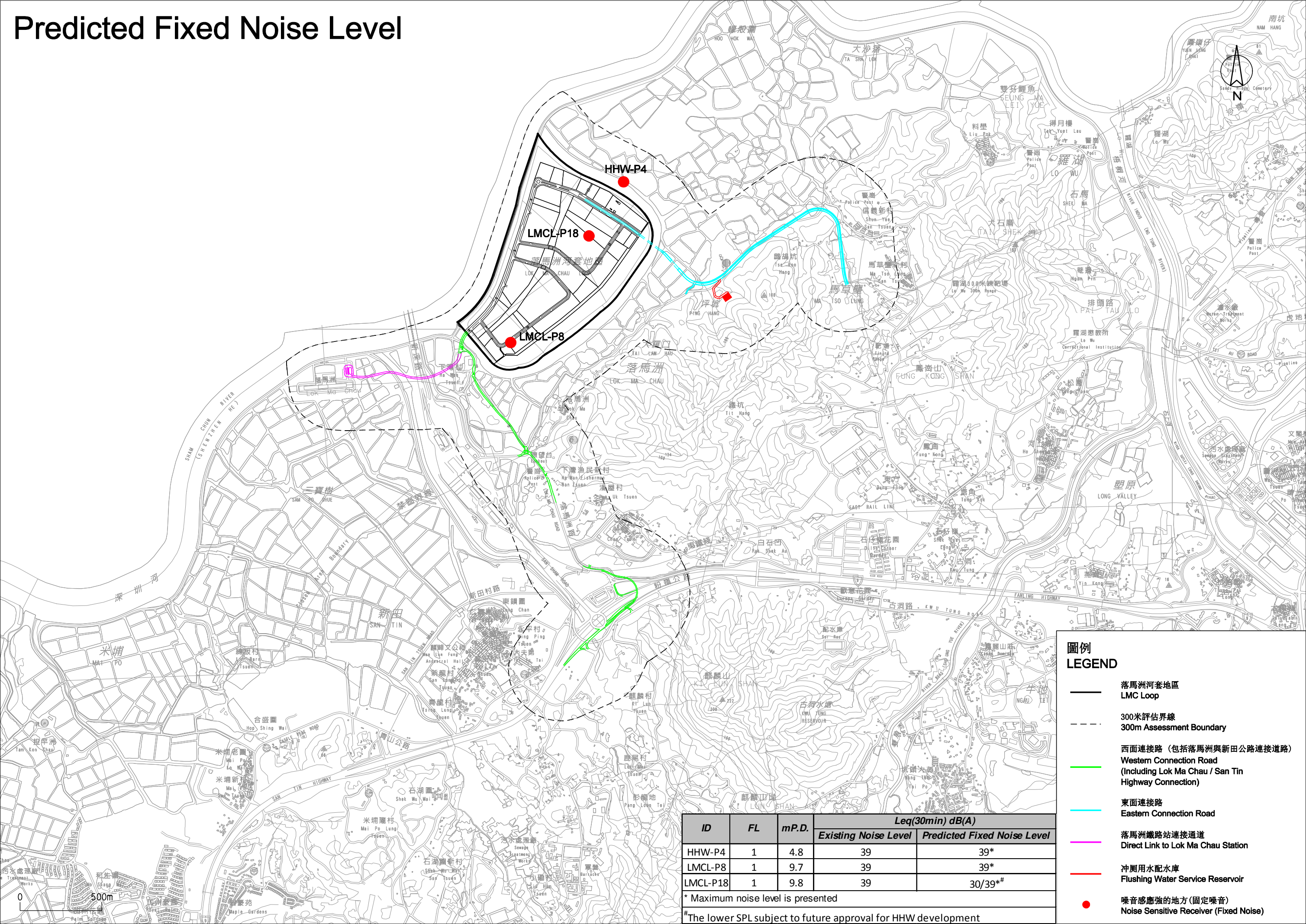


Predicted Fixed Noise Level



圖例
LEGEND

- 落馬洲河套地區
LMC Loop
- 300米評估界線
300m Assessment Boundary
- 西面連接路 (包括落馬洲與新田公路連接道路)
Western Connection Road
(Including Lok Ma Chau / San Tin Highway Connection)
- 東面連接路
Eastern Connection Road
- 落馬洲鐵路站連接通道
Direct Link to Lok Ma Chau Station
- 沖廁用水配水庫
Flushing Water Service Reservoir
- 噪音感應強的地方 (固定噪音)
Noise Sensitive Receiver (Fixed Noise)

ID	FL	mP.D.	Leq(30min) dB(A)	
			Existing Noise Level	Predicted Fixed Noise Level
HHW-P4	1	4.8	39	39*
LMCL-P8	1	9.7	39	39*
LMCL-P18	1	9.8	39	30/39*#

* Maximum noise level is presented
#The lower SPL subject to future approval for HHW development

Project: 209840-03 Agreement No. CE53/2008 (CE) Planning and Engineering Study on Development of Lok Ma Chau Loop - Investigation
Title: Fixed Noise Impacts at NSRs

Fixed Noise at NSR LMCL-P8

NSR	Noise Criteria dB(A) ^[1]	Floor	Floor Level (mP.D.) ^[2]	Fixed Noise Source	Maximum Allowable SWL dB(A)	Horizontal Distance to NSR (m)	Vertical Distance to NSR (m) ^[3]	Slant Distance to NSR (m)	Correction			Contribution from Noise Source dB(A)	Total SPL at NSR L _{eq} (30 min) dB(A)
									Distance dB(A)	Facade dB(A)	Tonality dB(A)		
LMCL-P8	39	1	9.8	District Cooling System (South)	78	70	0.0	70	45	3	3	39	39
		2	13.3	District Cooling System (South)	78	70	3.5	70	45	3	3	39	39
		3	16.8	District Cooling System (South)	78	70	7.0	70	45	3	3	39	39
		4	20.3	District Cooling System (South)	78	70	10.5	71	45	3	3	39	39
		5	23.8	District Cooling System (South)	78	70	14.0	71	45	3	3	39	39
		6	27.3	District Cooling System (South)	78	70	17.5	72	45	3	3	39	39

Note:

[1] Only night time criteria is assessed as worst case scenario.

[2] The first noise sensitive floor is assumed to be 4m above ground level. The height per floor is 3.5m.

[3] As worst case scenario, the height of noise source is assumed at 1.2m above the first floor of NSR.

Project: 209840-03 Agreement No. CE53/2008 (CE) Planning and Engineering Study on Development of Lok Ma Chau Loop - Investigation
Title: Fixed Noise Impacts at NSRs

Fixed Noise at NSR LMCL-P18

NSR	Noise Criteria dB(A) ^[1]	Floor	Floor Level (mP.D.) ^[2]	Fixed Noise Source	Maximum Allowable SWL dB(A) ^[3]	Horizontal Distance to NSR (m)	Vertical Distance to NSR (m) ^[4]	Slant Distance to NSR (m)	Correction			Contribution from Noise Source dB(A)	Total SPL at NSR L _{eq} (30 min) dB(A)
									Distance dB(A)	Facade dB(A)	Tonality dB(A)		
LMCL-P18	39	1	9.7	District Cooling System (North)	75 / 84	195	0.0	195	54	3	3	27 / 36	30 / 39
				Sewage Treatment Works	75 / 84	195	0.0	195	54	3	3	27 / 36	
		2	13.2	District Cooling System (North)	75 / 84	195	3.5	195	54	3	3	27 / 36	30 / 39
				Sewage Treatment Works	75 / 84	195	3.5	195	54	3	3	27 / 36	
		3	16.7	District Cooling System (North)	75 / 84	195	7.0	195	54	3	3	27 / 36	30 / 39
				Sewage Treatment Works	75 / 84	195	7.0	195	54	3	3	27 / 36	
		4	20.2	District Cooling System (North)	75 / 84	195	10.5	195	54	3	3	27 / 36	30 / 39
				Sewage Treatment Works	75 / 84	195	10.5	195	54	3	3	27 / 36	
		5	23.7	District Cooling System (North)	75 / 84	195	14.0	196	54	3	3	27 / 36	30 / 39
				Sewage Treatment Works	75 / 84	195	14.0	196	54	3	3	27 / 36	
		6	27.2	District Cooling System (North)	75 / 84	195	17.5	196	54	3	3	27 / 36	30 / 39
				Sewage Treatment Works	75 / 84	195	17.5	196	54	3	3	27 / 36	
		7	30.7	District Cooling System (North)	75 / 84	195	21.0	196	54	3	3	27 / 36	30 / 39
				Sewage Treatment Works	75 / 84	195	21.0	196	54	3	3	27 / 36	
		8	34.2	District Cooling System (North)	75 / 84	195	24.5	197	54	3	3	27 / 36	30 / 39
				Sewage Treatment Works	75 / 84	195	24.5	197	54	3	3	27 / 36	
		9	37.7	District Cooling System (North)	75 / 84	195	28.0	197	54	3	3	27 / 36	30 / 39
				Sewage Treatment Works	75 / 84	195	28.0	197	54	3	3	27 / 36	

Note:

- [1] Only night time criteria is assessed as worst case scenario.
- [2] The first noise sensitive floor is assumed to be 4m above ground level. The height per floor is 3.5m.
- [3] The lower SWL is subject to future approval for HHW development.
- [4] As worst case scenario, the height of noise source is assumed at 1.2m above the first floor of NSR.

Project: 209840-03 Agreement No. CE53/2008 (CE) Planning and Engineering Study on Development of Lok Ma Chau Loop - Investigation
Title: Fixed Noise Impacts at NSRs

Fixed Noise at NSR HHW-P4

NSR	Noise Criteria dB(A) ^[1]	Floor	Floor Level (mP.D.) ^[2]	Fixed Noise Source	Maximum Allowable SWL dB(A)	Horizontal Distance to NSR (m)	Vertical Distance to NSR (m) ^[3]	Slant Distance to NSR (m)	Correction			Contribution from Noise Source dB(A)	Total SPL at NSR L _{eq} (30 min) dB(A)
									Distance dB(A)	Facade dB(A)	Tonality dB(A)		
HHW-P4 ^[4]	39	1	4.8	District Cooling System (North)	75	70	0	70	45	3	3	36	39
				Sewage Treatment Works	75	70	0	70	45	3	3	36	
		2	7.8	District Cooling System (North)	75	70	3	70	45	3	3	36	39
				Sewage Treatment Works	75	70	3	70	45	3	3	36	
		3	10.8	District Cooling System (North)	75	70	6	70	45	3	3	36	39
				Sewage Treatment Works	75	70	6	70	45	3	3	36	

Note:

[1] Only night time criteria is assessed as worst case scenario.

[2] The first noise sensitive floor is assumed at ground level. The height per floor is 3m.

[3] As worst case scenario, the height of noise source is assumed at 1.2m above the first floor of NSR.

[4] HHW is subject to future approval for development.