

Appendix 4.01 Measured Prevailing Background Noise Levels

MATERIALAB CONSULTANTS LIMITED

Room 723 & 725, 7/F, Block B,
Profit Industrial Building,
1-15 Kwai Fung Crescent,
Kwai Fong, N.T., Hong Kong.

Tel : (852)-24508238
Fax : (852)-24508032
Email : mcl@fugro.com.hk

MaterialLab

Contract No. SPW 07/2015 - Noise Survey for Sha Tin Cavern Sewage Treatment Works

Proposed Noise Monitoring Location on 30/8 (Sunday) and 31/8 (Monday)

M4 – Ma On Shan Tsung Tsin Secondary School



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Email : mcl@fugro.com.hk

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Contract No. SPW 07/2015 - Noise Survey for Sha Tin Cavern Sewage Treatment Works

Proposed Noise Monitoring Location on 23/8 (Sunday) and 24/8 (Monday)

M5 – SKH Ma On Shan Holy Spirit Primary School



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Email : mcl@fugro.com.hk

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Contract No. SPW 07/2015 - Noise Survey for Sha Tin Cavern Sewage Treatment Works

Proposed Noise Monitoring Location on 16/8 (Sunday) and 17/8 (Monday)

M6 – Ah Kung Kok Fisherman's Village



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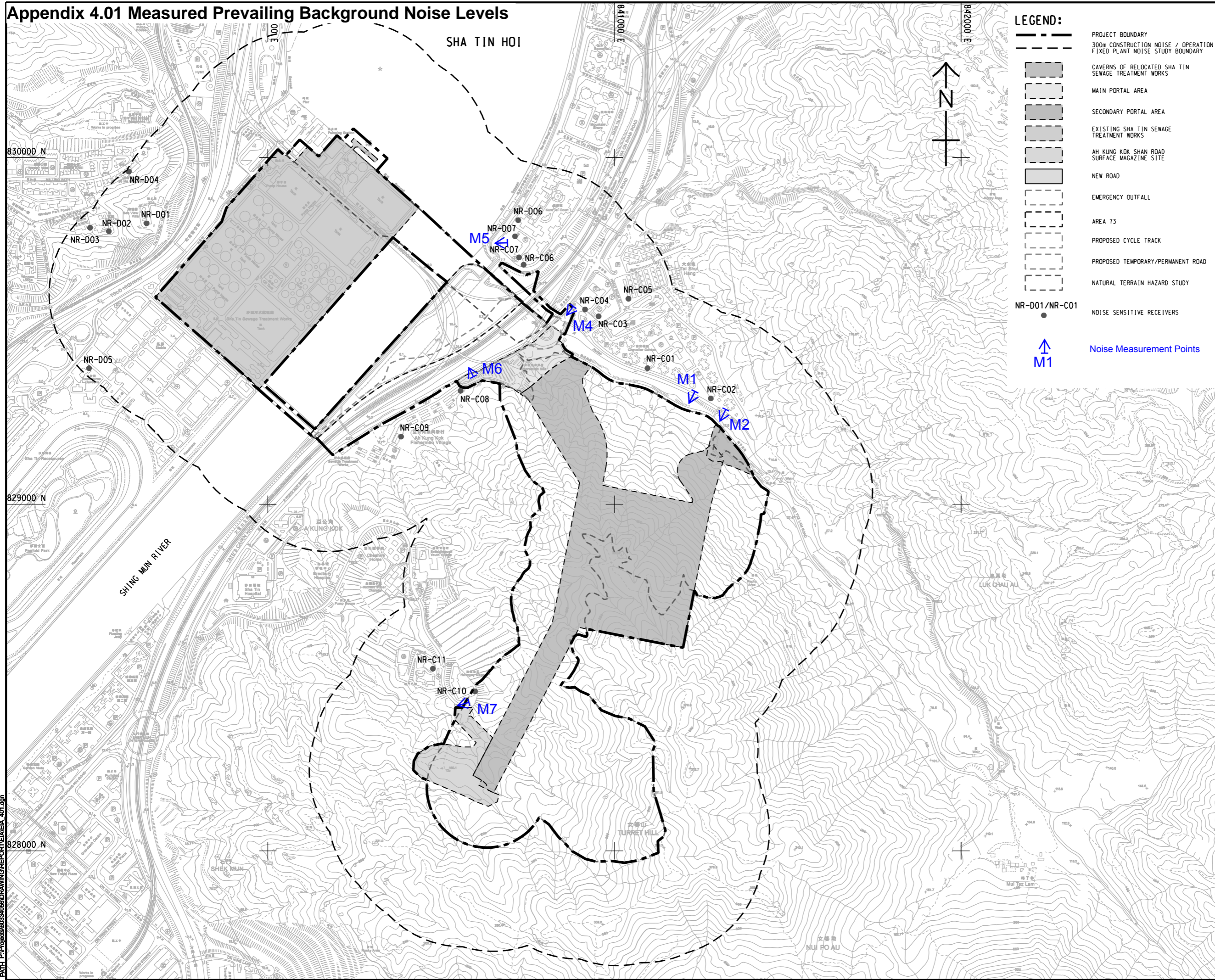
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M7 – The Neighbourhood Advice-Action Council Harmony Manor



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ISO A1 594mm x 841mm
 Approved:
 Checked:
 Designer:
 Project Management Initials:
 Pld File by: ZHILZ 20150920
 PATH: P:\Project\60334056\DRAWING\REPORT\EA\EA_401.dgn



LEGEND:

- PROJECT BOUNDARY
- 300m CONSTRUCTION NOISE / OPERATION FIXED PLANT NOISE STUDY BOUNDARY
- CAVERNS OF RELOCATED SHA TIN SEWAGE TREATMENT WORKS
- MAIN PORTAL AREA
- SECONDARY PORTAL AREA
- EXISTING SHA TIN SEWAGE TREATMENT WORKS
- AH KUNG KOK SHAN ROAD SURFACE MAGAZINE SITE
- NEW ROAD
- EMERGENCY OUTFALL
- AREA 73
- PROPOSED CYCLE TRACK
- PROPOSED TEMPORARY/PERMANENT ROAD
- NATURAL TERRAIN HAZARD STUDY
- NR-D01/NR-C01
- Noise Measurement Points

AECOM

PROJECT
 項目
RELOCATION OF SHA TIN SEWAGE TREATMENT WORKS TO CAVERNS: CAVERNS AND SEWAGE TREATMENT WORKS - INVESTIGATION, DESIGN AND CONSTRUCTION

CLIENT
 業主
 渠務署
 Drainage Services Department

CONSULTANT
 工程顧問公司
 AECOM Asia Company Ltd.
 www.aecom.com

SUB-CONSULTANTS
 分判工程顧問公司

ISSUE/REVISION
 修訂

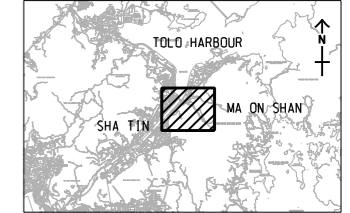
NO.	DATE	DESCRIPTION	CHK.

STATUS
 階段

SCALE
 比例
 A1 1 : 5000

DIMENSION UNIT
 尺寸單位
 METRES

KEY PLAN A1 1 : 250000
 索引圖



PROJECT NO.
 項目編號
 60334056

CONTRACT NO.
 合約編號
 CE 30/2014 (DS)

SHEET TITLE
 圖紙名稱

SHEET NUMBER
 圖紙編號

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Appendix 4.01 Measured Prevailing Background Noise Levels

Noise Measurement Results

Measurement Location	Description	Measured Min SPL, dB(A)		Measurement Method
		Day	Night	
M1	Chevalier Garden	44	42	Façade
M2	Wellborn Kindergarten	46	45	Façade
M4	Ma On Shan Tsung Tsin Secondary School	61	53	Free-field ^[1]
M5	SKH Ma On Shan Holy Spirit Primary School	59	52	Free-field ^[1]
M6	Ah Kung Kok Fisherman's Village	56	49	Façade
M7	The Neighbourhood Advice-Action Council Harmony Manor	49	44	Façade

Assumed Fixed Plant Noise Criteria

NSR	Description	Area Sensitive Rating	Acceptable Noise Level (ANL), dB(A)		ANL-5, dB(A)		Measurement Location	Measured Min SPL, dB(A)		Fixed Plant Noise Criterion, dB(A)
			Day	Night	Day	Night		Day	Night	
NR-C01	Chevalier Garden	A	60	50	55	45	M1	44	42	42
NR-C02	Wellborn Kindergarten	A	60	-	55	-	M2	46	-	46
NR-C03	Hay Nien Primary School	C	70	-	65	-	M4	61	-	61
NR-C04	Ma On Shan Tsung Tsin Secondary School	B	65	-	60	-	M4	61	-	60
NR-C05	Low rise residential buildings on Tai Shui Hang South Street	B	65	55	60	50	M4	61	53	50
NR-C06	Kam Tai Court	C	70	60	65	55	M5	59	52	52
NR-C07	S.K.H. Ma On Shan Holy Spirit Primary School	C	70	-	65	-	M5	59	52	52
NR-C08	Ah Kung Kok Fishermen Village	B	65	55	60	50	M6	56	49	49
NR-C10	The Neighbourhood Advice-Action Council Harmony Manor	A	60	50	55	45	M7	49	44	44

Remarks:

[1] Façade corrections of 3 dB(A) have been added to free-field measurements.