HKHA Term Engineering Consultancy Services 2016-2018
Public Housing Development at Tsing Hung Road, Tsing Yi – Environmental Assessment Study

ANEWR
Environmental & I.T. Consultants

CLIENT: MANNINGS (ASIA) CONSULTANTS LIMITED

LOCATION: HONG KONG

DATE: SEPTEMBER 2015 - JUNE 2018

TAGS: HOUSING DEVELOPMENT, HONG KONG PLANNING STANDARDS & GUIDELINES (HKPSG)

USE OF TECHNOLOGY: ROAD TRAFFIC NOISE MODELLING, FIXED NOISE SOURCE IMPACT ASSESSMENT, NOISE MEASUREMENTS, DESKTOP REVIEW, SITE SURVEYS

Background

ANewR has been commissioned by the Hong Kong Housing Authority (HKHA) to undertake an Environmental Assessment Study (EAS) for the proposed Public Housing Development at Tsing Yi Area 22B, which is bounded by Tsing Hung Road, Tsing Yi Road and Tsing Sha Highway. This proposed development consists of two 40-storey residential blocks with a total of 2,868 flats. The target population intake of the proposed development is anticipated to take place in year 2021/22.

Our Roles

With extensive experience in environmental assessment, our team identifies potential environmental impacts on the proposed development and determines the environmental acceptability of the proposed development with respect to guidelines for environmental considerations provided in the HKPSG. The concerned environmental issues are mainly traffic noise from the nearby Tsing Sha Highway and Tsing Hung Road, and noise emitted from the fixed sources during the operation of Container Terminal (CT) 9 and associated back-up areas.

Key Values to Client

We have recommended innovative mitigation measures such as acoustic windows to the client to achieve 100% compliance of the road traffic noise criterion of 70 dB(A) in $L_{10(1\text{-hour})}$. Concerning the enormous number of mechanical equipment operating within CT 9, we have carried out site surveys, acoustic measurements and analyses in order to prepare a detailed fixed noise sources impact assessment. Our ultimate goal is to ensure a high-quality living environment for the future residents.