

## 7<sup>th</sup> Community Liaison Group Meeting



7<sup>th</sup> Community Liaison Group Meeting was successfully held at Shun Lee Community Centre on 19 February 2019.

## Site Visits



Hong Kong Institution of Engineers visitors had a site visit on 16 February 2019.



Water Supplies Department and The Hong Kong University of Science and Technology had an interactive discussion with CEDD and the project team on 28 April 2019.

## Briefing on Temporary Bus Stop



The project team and Kwun Tong District Councillors took a site inspection at Hiu Kwong Street. The project team introduced the project progress and discussed the plan for the temporary relocation of a bus stop. The temporary bus stop is located at about 25 metres from the original one, and the operation of existing bus lines 1A, 13M, 13X, 93A, 601M, 601P and N293 is not affected. The temporary bus stop started service on 25 March 2019, and will last for a year.



Hiu Kwong Street

## Organizing Councillors to Inspect the Works near Lin Tak Road



The project team organized a site inspection for Legislative Councillors and Kwun Tong District Councillors on 24 April 2019 to introduce the road improvement works at Lin Tak Road and Sau Mau Ping Road and the plan and progress of Tseung Kwan O tunnel Bus-to-Bus interchange. They also listened and responded to the questions. The project team is always devoted to reduce the impact of works on the nearby community during the construction of transportation facilities.

## Coordinating Underground Water Pipe Diversion Plan near Hiu Wah Court



The project team held a discussion with the representatives from Hiu Wah Court, Kwun Tong District Councillors and the Contractor on 8 March 2019. Details of the underground water pipe diversion works were discussed. The project team listened and responded to the questions from the representatives and coordinated with Water Supplies Department for the project so as to build a better living environment for residents.

# Awards

## Occupational Health Award



The Contractor Kwan On Construction Co Ltd cares about workers' occupational safety and health, and tries to provide safe and healthy working environment. It has been awarded the "Joyful@Healthy Workplace Best Practices Award", "Prevention of Pneumoconiosis Best Practices Award" and "Hearing Conservation Best practices Award" of 14<sup>th</sup> Occupational Health Award issued by Occupational Safety and Health Council.

You are welcome to contact us with your suggestions:

24 hours Hotline/ Whatsapp: 9669 7120

Email: spro@arqaecom.com

For more information on the development of Anderson Road Quarry site, please visit the following website :

<http://www.arqs.hk/>

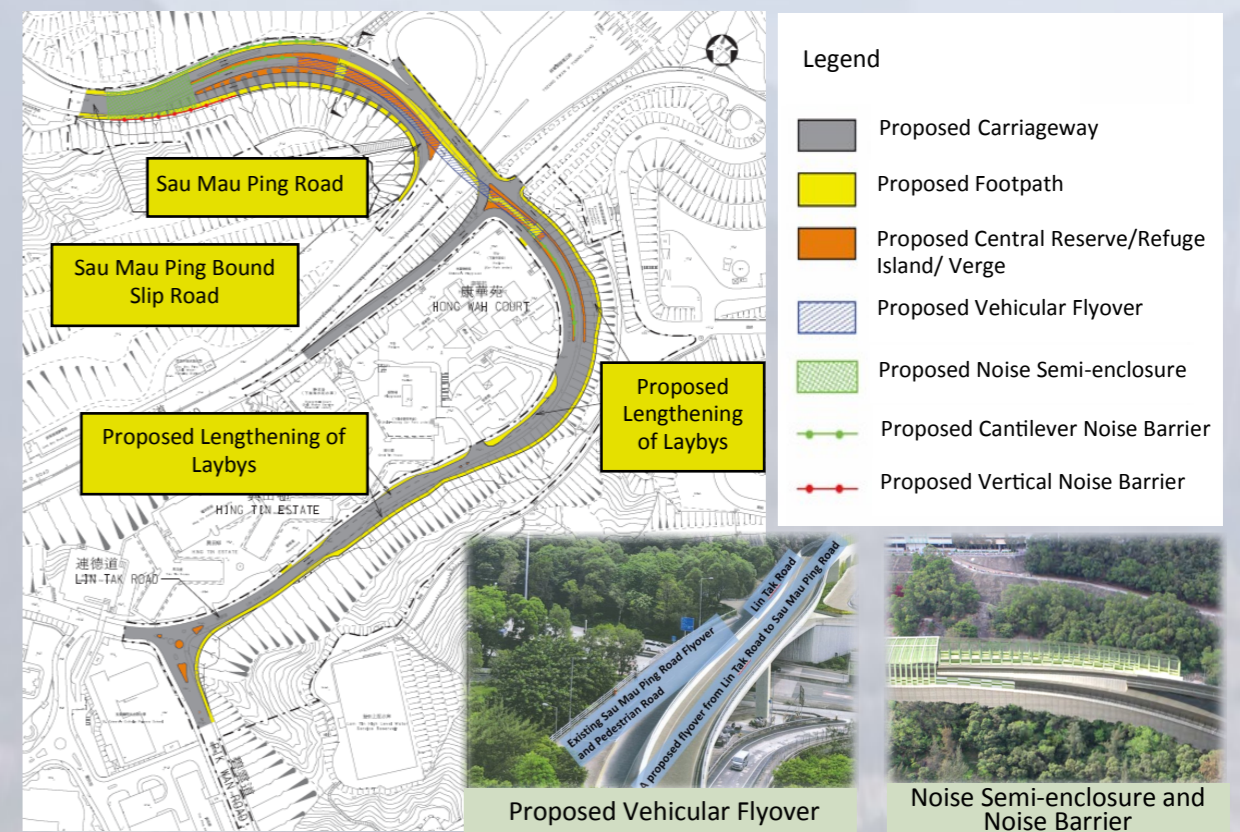
# Development of Anderson Road Quarry Site



Welcome to the 8<sup>th</sup> issue of the Newsletter for the Development of Anderson Road Quarry Site. In this newsletter, we will provide the project progress and the relevant information. We also welcome your feedback and suggestions on the project.

## Project Highlight

### Road Improvement Works and Pedestrian Connectivity Facilities - Phase 2A Road Improvement Works at Lin Tak Road and Sau Mau Ping Road



To facilitate the Development of Anderson Road Quarry Site, road improvement works at Lin Tak Road and Sau Mau Ping Road under Contract No. NE/2017/03 has commenced. Road improvement works include: 1) construction of a new vehicular flyover of about 390 metres long from Lin Tak Road to Sau Mau Ping Road; 2) extension of two existing laybys at Lin Tak Road near Hong Wah Court and Hing Tin Estate; 3) construction of slope drainage and widening of Lin Tak Road; 4) installation of temporary noise barriers and landscaping project.

Slope-cutting works at Lin Tak Road commenced in March 2019, and will be implemented progressively in phases. The objective of slope-cutting works is to widen the existing roads in order to house the future flyovers and extend the existing laybys for public use.

Since the site area of slope-cutting works is adjacent to the residents nearby, the project team adopts relatively low-noise construction method — drill-and-split method, to minimize the nuisance to the public. The works include using drilling machines to drill holes in the rock slope and then followed by using hydraulic splitters to split the rock, and using excavators and trucks to transport the rock debris. The project team installs temporary noise barriers and safety fences within the site and regularly conducts noise monitoring, to ensure the construction noise will not exceed the permissible limit.

To strengthen community understanding of the project, Civil Engineering and Development Department (CEDD), the Consultant and the Contractor held a briefing on slope-cutting works for District Councillors representatives from nearby housing estates and other stakeholders on 21 May 2019 to listen their concerns. A site visit was also held to deepen the stakeholders' understanding on slope-cutting works and to enhance the communication with them.

# Highlights of Main Construction Works

## Public Transport Terminus

The Public Transport Terminus is located at the northern part of the Anderson Road Quarry site and adjacent to the Artificial Stormwater Attenuation Lake. It will serve as the terminus for public transport services including bus, minibus and taxi services. Upon the completion of the Anderson Road Development Area, the Public Transport Terminus will become an important transportation hub for the entire region.



The foundation of the Public Transport Terminus will be completed soon. Currently, steel posts are being erected. Afterwards, drainage and underground pipelines will be installed and roads will be constructed.



Photomontage of the Public Transport Terminus

## Pedestrian Connectivity Facilities

At present, excavation and foundation works are being carried out for the construction of lift and pedestrian footbridge connecting Anderson Road Development Area and On Tat Estate.

## Pedestrian Connectivity Facilities near Oi Tat House of On Tat Estate are under construction



Photomontage showing the road connecting to On Sau Road and the noise barriers adjacent to the road



## Road Connecting to On Sau Road and Construction of foundation of Noise Barrier

There is a road connecting Anderson Road Development Area and On Sau Road which also connects to other areas such as On Tai Estate and New Clear Water Bay Road. To reduce the influence of traffic noise on the nearby residents, noise barriers are being constructed along the roadside.

# Environmental Mitigation Measures

## Installation of temporary noise barriers

During the construction period, our engineering team installed temporary noise barriers close to the residential areas to reduce noise transmission.



Temporary noise barriers installed at footpaths near Ma Yau Tong Village

## Regular water quality monitoring

Our environmental team regularly draws water samples at the drains near the site to ensure the water which is discharged from the site to the public drains, meets the requirements of the Environmental Protection Department.



Collecting water samples at the water diversion channel near Sau Mau Ping Estate

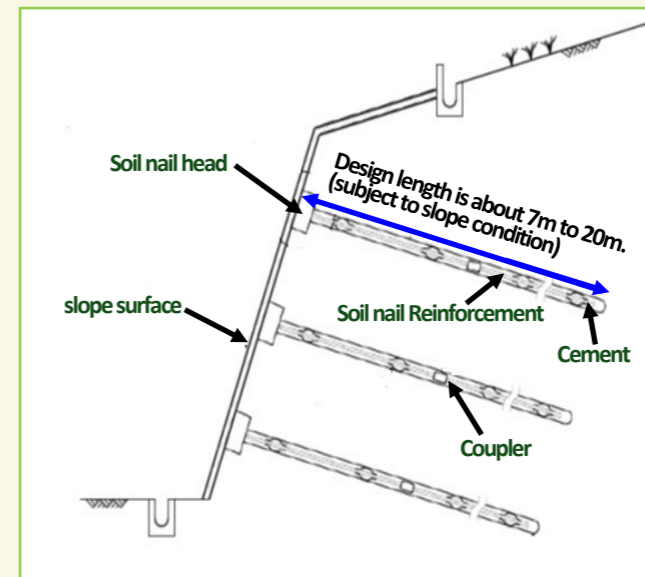
# Engineering Know-hows



## What is Soil Nail ?

Installing soil nails is a way to stabilize slopes. Soil nails are steel bars that are installed into a slope and fixed by cement grouting. The method of installing soil nails includes firstly drill holes at the slope according to the designed nail length, insert the steel bars into the pre-drilled holes, and finally grout the holes with cement under gravity or low pressure. Our engineering team will select the appropriate drilling method such as spiral drilling, rotary percussive drilling and vibratory driving for various soil conditions. One end of the steel bar is fixed to the surface of the slope via a soil nail head.

The advantage of installing soil nail over other slope stabilization methods is that it is not limited by underground soil condition such as hard rock condition. In addition, the ground surface condition can be used to determine the appropriate length for soil nail installation. Besides, soil nail installation requires only light equipment and can therefore be done in different slope environments.



Cross-section of Soil Nail



Install soil nails on the slopes of Lin Tak Road and Hiu Kwong Street for slope stabilization. (The picture on the left shows the soil nailing machine)



# Major Temporary Traffic Arrangements



Po Lam Road near Ma Yau Tong Village



Hiu Ming Street near Tsui Yeung House



Junction of Lin Tak Road and Sau Mau Ping Road

## Contract No. NE/2016/01

1. Temporary closure at the Northbound slow lane towards Tseung Kwan O direction near Ma Yau Tong Village. The pavement next to the section is temporarily rerouted for the construction of underpass's east portal.
2. Temporary closure at a section of the Eastbound slow lane towards On Tat Estate direction for the installation of underground utilities and construction of the road connecting the development area and On Sau Road.
3. Temporary closure at a section of pavement adjacent to Po Tat Estate (near Temple of Guan Yin) for laying water pipes to improve the water supply system in the district.

## Contract No. NE/2016/05

4. Temporary closure at the pavement opposite to Tsui Yeung House. Temporary crossing is set up at the pavement outside the tennis court for the construction of lift.
5. Temporary closure at the pavement outside Hiu Kwong Street Rest Garden for the construction of escalator.
6. Temporary closure of the road towards Kowloon for the construction of Bus-to-bus Interchange.

## Contract No. NE/2017/03

7. Temporary closure at the subway outside Shun Lee Estate near New Clear Water Bay Road for the construction of barrier-free facilities in pedestrian tunnel. Citizens may use the pavement in Shun Ching Street.
8. Temporary closure at a section of pavement on Hiu Yuk Path near the staircase on Hiu Yuk Path for the construction of an escalator.
9. Temporary diversion on a section of pavement at the junction of Lin Tak Road and Sau Mau Ping Road for slope works.
10. Temporary closure at the hatched marking located at the junction of Clear Water Bay Road near On Sau Road for road-widening works.



On Sau Road near Yung Tai House



Pavement outside Hiu Kwong Street Rest Garden



Junction of Clear Water Bay Road near On Sau Road