

## Site Visits with Peers

Members of the Hong Kong Institution of Engineers (HKIE) Geotechnical Division visited the Development of Anderson Road Quarry Site on 25 May, 27 July and 17 August 2019. Project background and latest progress of the site formation works, pedestrian connectivity facilities and road improvement works were introduced during the site visits.



AECOM summer interns and representatives from Bureau Public Works of Shenzhen Municipality visited the Development of Anderson Road Quarry Site on 24 August and 6 September 2019 respectively. Discussion regarding the project background and works progress was held among the participants and representatives of the engineering team.



18 October 2019



19 October 2019



Students from the University of Hong Kong visited the Development of Anderson Road Quarry Site on 18 and 19 October 2019. Latest project progress and the sustainable features of the project were introduced during the visits.

## Briefing on Slope-cutting Works at Lin Tak Road

Slope-cutting works, Temporary Traffic Management Scheme and environmental mitigation measures implemented at Lin Tak Road were introduced to Kwun Tong District Council members and representatives of Hong Wah Court and Hing Tin Estate on 21 May and 21 August 2019. The engineering team responded to the participants' concerns in the briefing. The slope-cutting works were part of the road improvement works under the project which would help to improve the traffic condition within the region.



## Temporary Traffic Arrangements at On Sau Road & On Chui Street



The engineering team introduced the Temporary Traffic Management Scheme, which was implemented at the junction of On Sau Road and On Chui Street, to the representatives of the nearby residents and school on 16 and 22 July 2019. Participants' views on the Temporary Traffic Management Scheme was collected in the briefing.



8th Community Liaison Group Meeting was held successfully at Shun Lee Community Centre on 13 June 2019.

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For more information on the Development of Anderson Road Quarry Site, please scan the QR Code or visit the following website: <http://www.arqs.hk/>



# Development of Anderson Road Quarry Site



Welcome to the 9th 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

### Site Formation and Infrastructure Works - An underpass connecting to Po Lam Road



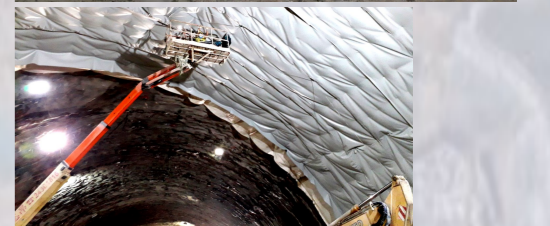
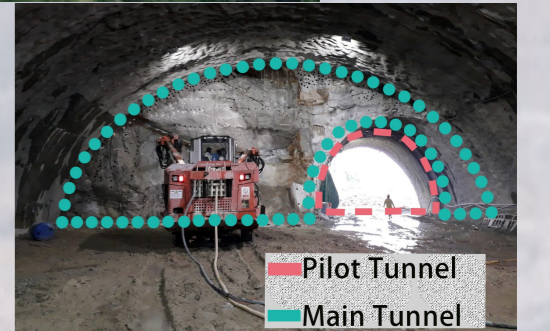
Under Contract No. NE/2016/01 of the Development of Anderson Road Quarry Site, a three-lane underpass with a total length of 130 meters and a width of 18 meters connecting the development zone to Po Lam Road is under construction. The underpass, being part of the vehicular access of the development zone, helps to cope with the future transportation needs in the region.

### Construction Method

When choosing the appropriate excavation method for the underpass construction, the engineering team examined various factors such as length and width of the underpass, underground geological conditions and the potential impacts on the nearby environment. Instead of the traditional blasting method, the engineering team adopted "Drill-and-Break" technology in order to minimize nuisance brought to the proximity. The engineering team firstly dug a 7-meter wide Pilot Tunnel for geological pilot exploration and to speed up the excavation rate. Full-face excavation was then carried out for the construction of the Main Tunnel (see image on the right).

The construction of Pilot Tunnel was completed in June. With the engineering team's continuous efforts, full-face excavation of the underpass was also completed on 4 September 2019.

The engineering team is installing the waterproof membrane and constructing the tunnel lining for the underpass. Drainage pipe laying and road pavement works will be commenced soon. The underpass construction is anticipated to be completed in late 2021.



# Highlights of Main Construction Works

## NE/2016/01: Public Transport Terminus



Photomontage of Public Transport Terminus



Public Transport Terminus under construction

Foundation works for the construction of Public Transport Terminus were substantially completed. Erection of steel members and installation of solar panels are in progress.

## NE/2016/05: The Pedestrian Connectivity Facilities near Sau Mau Ping Memorial Park



Photomontage of Escalator

Excavation and foundation works for the construction of pedestrian connectivity facilities linking Hiu Kwong Street and Tsui Ping Road are in progress.



The Pedestrian Connectivity Facilities near Sau Mau Ping Memorial Park under construction

## NE/2017/03: Lin Tak Road Vehicular Flyover



Photomontage of Lin Tak Road Vehicular Flyover

Slope-cutting works at Lin Tak Road are in progress. The works help to widen the existing road and to provide sufficient space for constructing a flyover linking Sau Mau Ping Road and Lin Tak Road.



Slope-cutting works at Lin Tak Road

# Engineering Know-hows

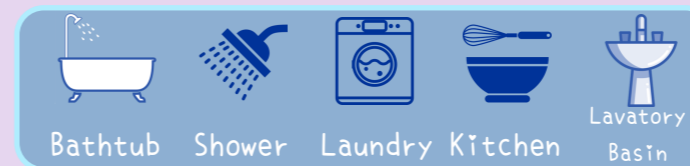
## WHAT IS GREY WATER?

Grey water refers to the water collected from wash basins, showers and kitchen sinks. These supplies can be treated and reused for non-potable purposes.

A centralized grey water recycling system will be built to treat the grey water collected from inhabitants at the Anderson Road Quarry Development region for toilet-flushing use. The system comprises a grey water treatment plant with associated pumping system, and pipes for grey water collection and distribution of the treated grey water to consumers.



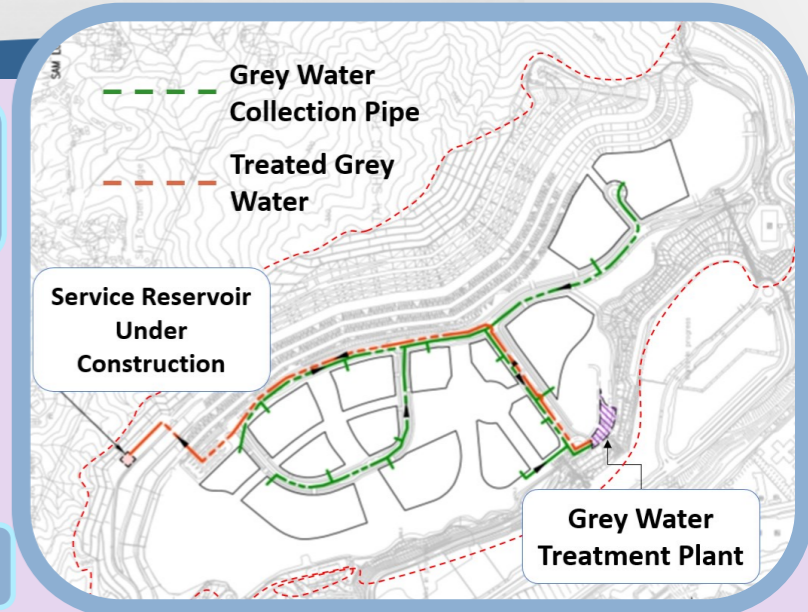
Service Reservoir under construction



Grey Water Treatment System

(After treatment)

For Other non-potable uses / Toilet Flushing



# Temporary Traffic Arrangements

Temporary closure of a section of the footpath located at the roundabout between On Sau Road and On Chui Street

To facilitate the construction works of Pedestrian Connectivity Facilities, a Temporary Traffic Management Scheme has been implemented at the roundabout between On Sau Road and On Chui Street:

i) Part of the footpath is temporarily closed (see blue area on the left figure). Please use the footpath along On Sau Road and On Chui Street (see orange route on the left figure).

ii) Part of the carriageway and the roundabout are temporarily narrowed (see pink area on the left figure). The width of the carriageway is now about 4 to 5 meters.

