



Youth Wing of Malaysian Geotechnical Society (YMGS)

Webinar talk on

Design and Construction of Temporary Retaining and Support System of 16 m-deep Network Pumping Sump in Kinta Valley Limestone Formation

7 October 2021 (Thursday), 5.00 pm – 7.00 pm

BEM Approved CPD Hours: 2 Ref. No.: BEM/REG/12 Jld.8 (334)

SPEAKER'S PROFILE

Ir. Cheah Siew Wai obtained his Bachelor of Engineering (Civil) from University of Technology, Malaysia in 2002. He has been involved in the design and construction of various geotechnical specialist works over the past 19 years, including the foundation for high-rise buildings of more than 60 storey, deep excavation for sewerage pump station works, geotechnical assessment and temporary works design for KVMRT Line 2, KVLRT Line 3, East Coast Rail Link (ECRL), etc. He has published technical papers on geotechnical engineering in international and local conferences. His research interests include foundation, deep excavation, soft ground engineering and slope stabilisation. He was the committee members for Geotechnical Engineering Technical Division (GETD) of IEM for Session 2017/2018 and 2018/2019.



SYNOPSIS

For construction of sewerage pumping station involving deep excavation in an urban area, temporary retaining and support systems are normally adopted to control movement induced by the deep excavation. This presentation will share a case history study with the application of contiguous bored piles with secant deep soil mixing columns, and temporary steel struts as horizontal support system for excavation of a 16 m-deep sewerage network pumping sump in Kinta Valley Limestone Formation. Some unforeseen site incidents during the construction of the 16 m-deep sewerage network pumping sump due to the karst nature of the limestone formation will also be shared in this presentation.

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Registration Fee:

MGS / IEM / GeoSS / CTGS Members: **FREE**

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