

WONG Yiu-Pong



Profession

Geotechnical/Civil Engineer

Years of Experience

15

Nationality

Chinese (HKSAR)

Qualifications

2003 – BEng (CivE)

University of Southampton

2019 – Certificate of

Completion of Adjudicator

Accreditation Training

2021 – MSc in Civil

Infrastructural Engineering

and Management, The Hong

Kong University of Science

and Technology

Professional Associations

2018 – Chartered Surveyor,

MRICS, Royal Institution of

Chartered Surveyors

2019 – NEC 4 Accreditation

Project Manager

2020 – Chartered

Construction Manager,

MCIQB, Chartered Institute

of Building

2020 – Accredited

Adjudicator, MHKICAdj,

Member of Hong Kong

Institute of Construction

Adjudicators

Mr. WONG Yiu Pong has approximately 15-year practical experience in design, site supervision and project management for various private and government projects include but not limit to superstructure works, alterations and additions works, precast façade works, curtain wall works, aluminium & stone cladding works, steel/stainless steel frame works, ground investigation works, site formation works, slope upgrading works, foundation works, excavation and lateral support works, drainage works, road works, etc.

Mr. WONG has extensive design experience in the field of engineering in various geotechnical and structural project. He is strong in analyse the engineering problems and difficulties and providing feasible solutions and design scheme.

Mr. WONG has supervised the numerous sites as a T3 Resident Engineer, i.e. superstructure works, alterations and additions works, precast façade works, curtain wall works, aluminium & stone cladding works, steel/stainless steel frame works, ground investigation works, site formation works, slope upgrading works, foundation works, excavation and lateral support works, drainage works, road works, etc.

Mr. WONG has managed administrative works in various projects. His duties consist of tender drafting, preparation of documents for submitting to government departments, etc.

To Shek Residential Development

Residential development comprised 6 numbers of residential towers, 2,000 square meters of car park. Site area was approximately 1,000 square meters.

Resident Engineer for full-time site supervision to work independently on site. Supervision works includes superstructure works, superstructure works, curtain wall works, glass wall & balustrade works, aluminium & stone cladding works, precast façade works, aluminium grille works, steel air-condition platform works, steel railing/metal fencing works, road works, slope stabilization works at Green Hatch Black Area, superstructure works, site formation works and excavation and lateral support (ELS) works. Also responsible for review for various contractor submission including method statement, construction schedule and monitoring records, preparation for RGE's T5 Reports, Resident Engineer Reports, etc.

Sai Sha Residential and Recreational Development (Site B)

Composite development comprised 27 numbers of residential towers, 7 numbers of director houses, 92,600 square meters of car park and 3,500 square meters of transport interchange. Site area was approximately 157,500 square meters.

Oversee and report Ground Investigation works to client. Liaised with numerous parties, such as client, architects, landscape architects, structural engineers, E&M engineers to come up with design submissions. Prepared Temporary Site Formation Works Submission, Foundation works (Driven H-Piles, Bored Piles, Mini-Piles, Rock Socketed Steel H-Piles, Precast Prestressed Spun Concrete Pile), ELS works (Pipe Pile Wall, Sheet Pile Wall) to Buildings Department for approval. Prepared schematic design and tender drawings to client.

Agreement No. CE49/2017(GE) Landslip Prevention and Mitigation Programme, 2017, Package H, Investigation Design and Construction

Project was required to study 128 numbers of man-made slopes.

Prepares Data Collection Reports consisted of data collecting deck study, aerial photo interpretations, calculation of ranking score and total score computation sheets, submitting to Civil Engineering and Development Department.

Residential Development at TMTL No. 547, Castle Peak Road, Castle Peak Bay Area 48, Tuen Mun

Development comprised 6 numbers of residential towers and an underground car park basement. Site had high ground water table and weak zone identified underneath bedrock.

Assistant Engineer assists preparing documents for site formation works design, excavation and lateral support works design, piling design submission to the Buildings Department for approval, include preparing calculations for pipe pile wall, SLOPE/W model for soil nails design, ALP models for shear pile design, PIGLET models calculating rock cone for tension anchors, assessing socket length of tension anchors etc.

Proposed Commercial Development at KTiL 240, 98 How Ming Street, Kwun Tong

Assistant Engineer to check documents submitted by the Contractors for piling works, revise Excavation and Lateral Support works to facilitate the site conditions.

Proposed Development at No. 31 Fuk Tsun Street

Design Engineer provides advises to client and alternative design schemes for foundation works (piling, pile cap) and excavation and ELS work submissions to Buildings Department for approval.

The project is planning to develop the hotel to cope with increasing accommodation demand for tourist in Hong Kong. However, at stage of foundation construction, adjacent buildings were observed to be tilted and cracks were noted on the external wall. Construction works has to be pended. Site constraints include top soil became weak and extensive thick of Marine Deposit, and a number of boulders below ground. My duties are to provide feasible premeasure works and foundation design schemes. The foundation works design consists of 2m diameter bored piles socketed in rock, pile cap, etc. ELS works design consist of strutted pipe piles and ground strengthening works.

Ground Investigation (G.I.) Works at No. 14 Nam Cheong Street, Kowloon

RGE stream T3 Site Engineer supervises and oversee G. I. works, which consist of several drillholes, trial pits and field tests.

The project is proposed an additional lift shaft inside an over 70 years existing building and renovation works

Proposed New Hotel Development on K.I.L. 4046, 4167 s.A & 4167 R.P. at Nos. 103-107 Tam Kung Road, Kowloon

Design Engineer prepares Excavation and Lateral Support (ELS) work submission to Buildings Department for approval. ELS woks design consists of strutted pipe pile wall and strutted channel planking. My duties include preparing all submission documents (design report and drawings), liaison to Government Department etc.

Proposed New Hotel Development on on K.I.L. 1089 s.A. ss.4 & K.I.L. 1089 s.A. R.P. at Nos. 3-5 Temple Street

Design Engineer prepares Excavation and Lateral Support (ELS) work submission to Buildings Department for approval. ELS woks design consists of strutted pipe pile wall and strutted channel planking. My duties include preparing all submission documents (design report and drawings), liaison to Government Department etc.

Proposed Residential and Commercial Development at Tuen Mun Town, Lot No. 514 New Territories

Design Engineer prepares Excavation and Lateral Support (ELS) work submission to Buildings Department for approval. ELS woks design consists of strutted pipe pile wall and strutted channel planking. My duties include preparing all submission documents (design report and drawings), liaison to Government Department etc.

Proposed Site Formation Works at Lot No. 4823 in D.D. 104 Ngau Tam Mei, Yuen Long, New Territories.

RGE stream T3 Site Engineer supervise and oversee site formation works, which consist of soldier pile wall installation, retaining wall construction, footing construction and backfill works.

The project is proposed to develop a house in Yuen Long. The house is founded on higher hillside and car ramp is formed along site boundary by fence walls.

Proposed A&A Works at No. 2 Sun Chun Street T.H.I.L. 48

RGE stream T3 Site Engineer supervise and oversee foundation and excavation and lateral support works, which consist of strutted channel planking installation, raft footing construction with retaining walls.

The project is proposed an alternative and additional works to extend gross floor area and rebuild ground floor area for an over 70 years existing building. Site constrains construction area is extensive small, ensuring drilling rig working properly and minimizing complaints from neighbours.

Proposed Site Formation Works at Nan Wai, Sai Kung

RGE stream T3 Site Engineer supervises and oversees the site formation works, which consist of retaining wall construction and backfill.

Proposed Site Formation Works at Tai Mong Tsai, Sai Kung

RGE stream T3 Site Engineer supervises and oversees the site formation works, which consist of retaining wall construction and backfill.

Proposed Commercial Development at No 28, 28A & 28B Stanley, Central, Hong Kong

Design Engineer to prepare piling submission to Buildings Department for approval. Design piling works consist of driven H-Piles.

Proposed Development at Nos. 2-4 Yin Choung Street

Design Engineer prepares foundation work design includes piling, pile cap, and Excavation and Lateral Support Works submission to Buildings Department for approval. Design foundation works consist of socketed H-Piles and pile cap and design of ELS works consist of strutted sheet pile.

Proposed Development at No. 13 Ho Man Tin Street-K.I.L.2500

Design Engineer prepares foundation work design includes piling, pile cap, and Excavation and Lateral Support Works submission to Buildings Department for approval. Design foundation works consist of socketed H-Piles and pile cap and design of ELS works consist of strutted sheet pile.

Redevelopment of New Hong Kong Cross Headquarters at Hoi Ting Road, Kowloon, Kowloon Inland Lot No. 11213

Design Engineer prepares cladding design, grass balustrade and steel platform design for specialist contractor. My duties are to prepare construction method, and design report and drawing submitting to Building Department for approval.

Renovation Works and Alternative and Additional Works at Miramar Shopping Centre.

Project Engineer oversees the design stage and liaison to Clients and Contractor and supervise the site activities and also prepare design submissions to Building Department for structural works, include 3 numbers of sign board, steel pedestrian bridge, cladding at external wall and new concrete structural framing at entrance corner.

Proposed Redevelopment at 16 Tsing Tai Road, Lot 754 in D.D.379

Design Engineer prepares site formation and ELS submission to Buildings Department for approval. Site formation works design consist of L shape retaining walls, mass concrete walls and etc. ELS works design consist of cantilevered and strutted pipe pile walls.

The project is proposed to develop 4 numbers of mansion in Tuen Mun. Site constrains are that it is required to construct 10m height the retaining wall to support the mansion foundation loading. Original foundation design scheme is proposed 2m diameter bored piles socketed on rock. My duties are to revise alternative design to adopt mass concrete retaining wall and L-shape retaining wall with strutted pipe pile scheme to minimize the construction cost.

Ground Investigation (G.I.) Works at 73 Perkins Road

RGE stream T3 Site Engineer for G.I. works, which consist of drillholes and trial pits.

ELS Design for Proposed Comprehensive Development at Oil Street North Point, Hong Kong

Design Engineer to prepare ELS submission for sewage drainage system to Buildings Department for approval. ELS works design consist of strutted sheet pile. My duties include preparing all submission documents (design report and drawings), liaison to Government Department etc.

ELS Design for Proposed Development at 32-38 La Salle Road, Kowloon Tong, Kowloon

Design Engineer prepares Excavation and Lateral Support submission to Buildings Department for approval. My duties include preparing all submission documents (design report and drawings), liaison to Government Department etc.

Ground Investigation (G.I.) Works at 26 Cumberland Road, Kowloon City

RGE stream T3 Site Engineer for G.I. works, which consist of drillholes and trial pits.

ELS Design for Development at 50 Mount Butler Drive, Jardine Lookout, Hong Kong

RGE stream T3 Site Engineer for G.I. works, which consist of drillholes and trial pits.

Design Engineer prepares Excavation and Lateral Support submission to Buildings Department for approval

The project is to revise the existing structure of mansion and extend building area. Site constrains are to design 6m height cantilevered structure.

ELS Design for Project of Proposed Residential Building at No. 12 Hereford Road, Kowloon Tong, Kowloon

Design Engineer prepares Excavation and Lateral Support submission to Buildings Department for approval. My duties include preparing all submission documents (design report and drawings), liaison to Government Department etc.

Site Formation Works at Ling Mei, Sai Kung, DD 213, Lot 40sB RP

RGE stream's T3 Site Engineer for site formation works. The site formation works consist of construction L shape retaining wall. My duties are to supervise and oversee the construction site.

Ground Investigation (G.I.) Works at Area Outside No. 43, 45, 47, Sha Tin Heights Road, Sha Tin – S.T.T. No. 1473 and Lots Nos. 1470 s.B ss.1, 1470 s.B RP & 1470 RP in DD189

Act as Design Engineer to prepare Slope Upgrading submission to Building Department for approval. The works consists of construction soldier pile wall at slope ground to stabilize unstable loose fill soil slope.

RGE stream T3 Site Engineer for G.I. works, which consist of drillholes and trial pits.

Driven H-Piles at 48-50 Junction Road

RSE stream's T3 Site Engineer for piling works. The foundation works consist of around 50 numbers of driven H piles.

Engineering Inspection (EI) for Maintenance and Maintenance Manuel (MM) of 12 No Features at Lung Ta Court, Stanley

The project was to carry out EI & MM reports for 12 numbers of features. The duties include identifying any sign of distress and recommending any urgent works and stability assessment if necessary.

Aerial Photograph Interpretation (API) for Feature No. 7SW-C/F156 at Hilltop Road, Tsuen Wan, Kowloon

The project was to interpret aerial photographs in order to figure out site history of the subject feature and any unauthorized works inside the subject feature.

DH Order No. DH0142/HK/09/C, Feature Nos. 15NW-B/F61 at Block G, Country Villa, No. 28 Shouson Hill Road, Hong Kong – R.B.L. 906.

The project was to discharge the DH order. An initial assessment report investigated any sign of distress and unauthorized works for the subject feature was submitted to the Buildings Department for review.

Short Term Tenancy Application, Lot No. 258 in DD354, Yau Kam Tau. 02/2011-02/2011

The project was to carry out stability assessment of feature no. 6SE-D/R87 to apply for short-term tenancy for subject government land.

Site Formation Works at 19 Middle Gap Road (Spruce)

RGE stream's T3 Site Engineer for site formation works for the captioned. The works consists of additional ground investigation, re-compacted soil cement fill by trail pit method, soil nail installation and drainage construction.

Proposed Church Development for Homantin Swatow Baptist Church, N.K.I.L 6463, Po Kong Village Road, Diamond Hill, Kowloon.

The project was to develop church for subject site. The duties were to prepare stability assessment of existing slope features within or adjacent to subject site for Geotechnical Engineering Office review and prepare ELS design for the Buildings Department approval.

Piling Design at 703-705 Nathan Road.

Design Engineer prepares the foundation design for commercial building at 703-705 Nathan Road includes 5 no. 2.5 diameter bore pile.

Excavation and Lateral Support (ELS) at Lot 1200 IN D.D. 217, Pak Sha Wan, Sai Kung.

RGE and RSE stream's T3 Site Engineer for additional drillhole to verify rockhead level and channel planking installation.

Parkview Phase II, Malaysia

The project is to develop a fifth-floor residential building in Malaysia. The foundation design includes 250 no. bore piles and 25 no. pile caps.

Design Engineer prepares Excavation and Lateral Support works design and bored piles design.

Act as Residential Engineer monitored pre-drilling, contiguous bored pile works, and jet grounding works for bulk excavation.

DH Order No. DH0139/HK/09/C, Feature Nos. 11SW-D/C1026 at No. 2 Welfare Road, Hong Kong, Lot No. A.I.L.171R.P. (06/2010-07/2010)

Assistance residential engineer supervised ground investigation of Feature No. 11SW-D/C1026.

The project was to design Slope Upgrading Works for Feature No. 11SW-D/C1026. The duties included presenting a Proposal of Slope Upgrading Works responding to DH order DH0139/HK/09/C to Buildings Department (BD). The proposal consisted of stability assessment for soil cut slope and rock slope, and soil nails & fill slope design.

Excavation and Lateral Support (ELS) Design for Proposed Commercial Development at 17-19 Ashley Road, Tsimshatsui Kowloon

The duty was to prepare ELS design and construction drawings to Buildings Department for approval.

DH Order No. DH0155/HK/07/C, Feature Nos. 11SE-C/FR113 at Cooper Villa, Nos. 23-29 Wilson Road, Hong Kong, IL. 8726 (01/2010-03/2010)

Assistance residential engineer supervised ground investigation of Feature No. 11SW-D/C1026. (Site Supervision 1 Month)

RGE stream's T3 Site Engineer. The slope upgrading works consist of re-compacted soil cement fill and drainage construction (Site Supervision 4 Month)

Act as assistant project engineer liaised with Geotechnical Engineering Office's and BD's representative and prepared administrative documents such as tender, construction program, BD's forms, material approval and etc.

DH Order No. DH0090-91/HK/07/C, Feature Nos. 15NE-A/CR597 and 15NE-A/F10 at Burnside Estate, No. 9 South Bay Road, Hong Kong

Project was to design slope upgrading works for Feature No. 15NE-A/CR597 and 15NE-A/F10. The duties included presenting a Proposal of Slope Upgrading Works responding to DH order DH0090/HK/06/C to Buildings Department and preparing a tender for the captioned project. The proposed works consisted of installing soil nail, retaining wall construction, remove and recompacted loose fill with cement and constructing drainage system.

Assistance residential engineer supervised additional ground investigation of Feature No. 15NE-A/CR597 to verify fill extent. (Site Supervision 1 Month)

RGE stream's T3 Site Engineer for Feature No. 15NE-A/F10. The slope upgrading works consists of re-compacted soil cement fill by trail pit method and drainage construction.

Proposed Short Term Tenancy No. EHX-405 Government Land for Private Garden Adjoining Inland Lot No. 7350, No. 350 Tai Hang Road, Hong Kong

The project was to prepare stability assessment within or adjacent to subject site for Geotechnical Engineering Office review.

Proposed A & A Works at Healthy Village Site III

RSE stream's T3 Site Engineer. The project was proposed to guard houses and transformer room for captioned site.

Proposed Commercial Building at No. 6-8A Austin Avenue, Tsim Sha Tsui, Kowloon

The project was proposed to develop a high-rise building for captioned site. The duty was to prepare Geotechnical Assessment Report to Buildings Department for approval.

Proposed Alteration & Addition Work at No. 52 Wyndham Street, Hong Kong.

The duty was to prepare Geotechnical Assessment Report to Buildings Department for approval.

Proposed Development for Lot No. 1848 in D.D. Cheung Chau, Shui Hang, Cheung Chau

The project consisted of developing two storey house for captioned site. The duties consisted of design the spread footings for the proposed houses and design resubmission temporary site formation and ELS works.

DH Order No. DH0087-89/HK/05/C, Feature Nos. 11SW-D/CR848, 11SW-D/CR852 and 15NW-B/C381 at Ocean Park, Aberdeen, Hong Kong

RGE stream's T3 site engineer. The slope upgrading works consisted of installation of soil nails, remove and re-compaction of loose fill, hydroseeding slope surface and additional ground investigation (G.I.) works.

The other duty for the project included preparing amendment submission for BD approval.

Excavation and Lateral Support (ELS) Design at No. 9 Conduit Road

The duty was to design ELS for the proposed footing for the lift and prepare construction drawings to Buildings Department for approval.

Slope Upgrading Works for Feature No. 15NW-B/F11 Ocean Park, Aberdeen, Hong Kong, R.B.L. 1020 & Ext.

The project was to design slope upgrading works for Feature No. 15NW-B/F11. The duties included presenting a Proposal of Slope Upgrading Works responding to DH order DH0090/HK/06/C to Building Department and preparing a tender for the captioned project. The proposed works consisted of installing soldier piles with lagging wall, remove and recompacted loose fill soil, constructing drainage system. (Geotechnical Design 02/2008-03/2008 2 Months)

RGE stream's T3 Site Engineer. The slope upgrading works consist of soldier pile installation and additional ground investigation.

Act as assistant project engineer liaised with Geotechnical Engineering Office's and BD's representative and prepared administrative documents such as tender, construction program, BD's forms, material approval, Maintenance Manual, slope registration, etc.

Proposed Residential Development at Yau Kam Tau

The project was to design and plan the residential development at Yau Kam Tau. The duties were to design a site formation works and prepare Geotechnical Assessment Report for the captioned project, present a Maintenance Manual report for Feature No. 6SE-D/C26, 6SE-D/C27, 6SE-D/FR141, 6SE-D/FR142 and 6SE-D/C339 to Buildings Department.

The University of Hong Kong – Site Formation Works between Kadoorie Science Building and Haking Wong Building

Assistant residential engineer supervised additional ground investigation of trial pits to verify the existing fill extent to carry out recompaction.

Slope Upgrading Works for Feature No. 11SW-D/C1024 No.2 Welfare Road Hong Kong, A.I.L. 171 R.P.

The project was to design Slope Upgrading Works for Feature No. 11SW-D/C1024. The duties included presenting a Proposal of Slope Upgrading Works responding to DH order DH0169/HK/06/C to Buildings Department (BD). The proposal consisted of stability assessment for soil cut slope and rock slope, and soil nails & fill slope design.

Act as assistant project engineer liaised with Geotechnical Engineering Office's and BD's representative and prepared administrative documents such as tender, construction program, BD's forms, material approval, Maintenance Manual, slope registration, etc.

Maintenance of Lands Department Slopes in the Southern Regions Design and Construction

The project was to present Engineer Inspections to Lands Department. The duties included slope & retaining wall inspections, desk study, recalculating CNPCS, design Preventive Maintenance Works (PMW) for slopes, and cost estimation for PMW.

Slope Works for Feature No. 11NW-D/C580 Pui Ching Primary School 80 Waterloo Road

The duties were to present and prepare a Tender Assessment Report to client, Pui Ching Primary School. The report was to analyze tender costs. The report would help client to decide contractor and oversee the costs of works.

Harbor Area Treatment Scheme Stage 2A Sewage Conveyance

The duties are to supervise groundwater monitoring and analyse the water monitoring data submitting to Drainage Services Department.

Landslide Preventive Works at Po Shan Road, Mid-Level

Category III site supervision for Ground Investigation (G.I.) including in-situ field tests, i.e. response test and flow rate measurement for water tunnel.

Recurrent Engineer Inspection to Slopes Maintained by ArchSD (Package)

The project was to present Engineer Inspections to ArchSD Department. The duties included slope & retaining wall inspections, desk study, recalculating CNPCS, and design Preventive Maintenance Works for slopes.