

PROJECT WRITE-UP

G5 13 – PARK REGENT R10@PARKCITY

This was a highly anticipated project in the prestigious Desa Parkcity after many years of absent working in this township. It was a joy to have successfully secured the project. The project is located beside Central Park's lake and facing the residences at South Lake.

The existing site looks like a flat land but upon further study on the soil investigation, it is a fill with granite boulders as deep as 12m and the bedrock as deep as 30m from the existing ground level. Constructing a bored pile on a ground filled with boulders this deep would be impossible with conventional method. The best method to overcome this boulder layer would be removing them manually before the commencement of bored pile. Carrying out the boulder removal would be a costly affair, easily amounting to a few million of extra cost. We would not secure the job adopting this method. In our effort to help the client to save cost and truly believing in our core value of 'Positive and Courageous', we heroically agreed to cut the platform 4m from the existing ground level for our bored pile work. By removing the 4m, now we created ourselves 2 enormous pits for our bored pile work. This is of no advantage to us because eventually these pits become a basin collecting rainwater during our construction period. The challenge remains – what is the best method (read as cost effective) to overcome the boulder zone.

Substituting different values of the variables and checking the equality of the LHS and RHS of the equation, also known as 'trial and error method' in mathematics is the only solution here. We spent nearly 2 entire months checking the equation and getting the right variables to overcome the boulders as well as the stabilizing fluid due to the acidic ground. We bored and extend casing and continued boring, we pre excavate using an excavator to install casing, we pour lean concrete into bored holes, we add lots of soda and admixture to the fluid, we tried every possible way. The success rate is not what we have anticipated at first, but slowly see some progression. Then we realize we took too much time during this learning curve. The project would be delayed if nothing drastic is to be done. Cantonese translates, "Drastic situation needs drastic measures", but here, decision is simple – we cannot fail the project. We need to do it the hard way. A couple of week later, 7 high series hydraulic bored pile machines were deployed to the project. Another milestone in our own Guinness book of record – largest fleet of BG in a single project. We continued investing on more rock coring tools, invited expertise from the oversea, employed various rock coring techniques, converted bored pile to micropiles. Many unconventional ideas and proposes were being explored aiming to speed up the progress of the piling work to meet the committed timeline. We cannot fail.

After several months of agonising works, we finally see some improvement on the progress. We get the project back on track. Section 1 and 2 of the works were handed over successfully on time. It was a small but comforting relieve to the whole project team. Easing off some pressure.

We continue to push harder to complete the remaining works at Section 3 & 4. Then, on 16th March 2020 we heard for the maiden time but now, a very familiar 3 letters word - MCO. Only God knows what to expect. We try to keep our sanity through ZOOM meeting. We planned every week for work resumption even we do not know when. However, all the preparation paid off. We got the MITI approval to resume work on 20th April 2020. We quickly arranged all our staff and workers tested. Ensure all SOP, rules and regulations are followed. We able to resume work faster than most contractors. It was no easy task. After 8 weeks of inactivity, 'roti canai' policy couple with the political turmoil, we had to double our effort to regain the previous momentum. No matter how grim the outlook is, we still have the contractual obligation to be fulfilled. Right foot pressing firmly on the fuel, both hands tightly on the wheel and both eyes focusing on the finish line. We must complete on time.

We felt blessed and thankful currently that MCO is a distance memory. The project was handed over successfully, proud of the team at Desa Parkcity. KUDOS!



Lai Chee Yong
Deputy General Manager,
Operation.

G513 - Park Regent R10 @ ParkCity

