DEPARTMENT OF BUILDING

UNIVERSITI TEKNOLOGI MARA

(PERAK)

THE CONSTRUCTION OF AN UNDERGROUND ON-SITE STORMWATER DETENTION (OSD) SYSTEM

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JULY 2021

STUDENT'S DECLARATION

I hereby declare that this report is my own work, except for extract and summaries for which the original references stated herein, prepared during a practical training session that I underwent at Public Work Department (PWD) Wilayah Persekutuan Kuala Lumpur for duration of 18 weeks starting from 01 March 2021 and ended on 16 July 2021. It is submitted as one of the prerequisite requirements of BGN310 and accepted as a partial fulfillment of the requirements for obtaining the Diploma in Building.

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Date : 16th July 2021

ACKNOWLEDGEMENTS

With all gratitude towards Allah SWT the Gracious, the al-Mighty, Alhamdulillah.

I would like to wholeheartedly bestow recognition for all the training, supervision, and guidance that I experienced and gained throughout the span of the internship by the following association of incredible individuals in the department of the company. First and foremost, I would like to thank Public Work Department Wilayah Persekutuan Kuala Lumpur for the opportunity given to have my internship in one of the departments of the company, Building Department 2, which conducted by a Senior Civil Engineer, Madam Umi Adzmira Binti Zawawi. Her team were supported by three Civil Engineer and I was supervised by one of the Civil Engineer, Madam Dayana Binti Ahmad Mizani helped by two Assistant Civil Engineer, Mohd. Shahrizan Bin Mohd Suriddin and Annas Syukri Bin Ismawi. Their professionalism assessing me had enabled me to learn and develop my skills and understanding of a real time projects, and also improved more on theories involved in it such as analysing structures, building and civil works. It is a pleasure for me to had this opportunity to get to 'work' with all of them.

I would like to thank ALL of the UiTM lecturers who had taught and educated me in becoming an improve student and individuals. I would also like to expand my deepest gratitude to the lecturers who are directly involved during my training period. To Miss Nor Azizah Binti Talkis, Supervising Lecturer, Madam Nurhasyimah Binti Ahmad Zamri, Evaluation Lecturer, Sir Muhammad Naim Bin Mahyuddin, Practical Training Coordinator and Dr. Dzulkarnaen Bin Ismail, Programme Coordinator, I acknowledge all the time, resolution, encouragement and ideas that they poured towards the successful fulfilment of my training, this report and the precious knowledge that have been shared over the last few semesters.

Last but certainly not least, my special honour to my beloved parents for their sacrifices over the years. Thank you so much.

ABSTRACT

On-site Stormwater Detention (OSD) System is an important element to any structure or developed area. Therefore, this report will be elaborating about the construction of an Underground On-site Stormwater Detention (OSD) System for an on-going new developed project where this report was conducted on and are being referred in completing this report were Execution of Remaining Works of Ilaj Home in Mukim Bandar, Kuala Lumpur. The objective of this report is to elaborate more on the design guidelines of an Underground On-site Stormwater Detention (OSD) System, emphasizing on the operation and maintenance of an Underground On-site Stormwater Detention (OSD) System and not to forget how are the structure of the tanks itself. To elaborate more on the system to shows how it is important to have on a structure or facilities, and then inspecting how it is built so that it could fulfill the facility criteria as per described by the requirements in the guideline. This report would also be illustrating at how an Underground On-site Stormwater Detention (OSD) System should be construct starting from how it should be design, how it is to be constructed and what are the materials that are appropriate in order to create a workable and excellent Underground On-site Stormwater Detention (OSD) System.

CONTENTS **PAGE NO**