

A STUDY OF THE DESIGN, CONSTRUCTION AND COST OF INFRASTRUCTURE TO THE SEWERAGE RETICULATION AT TMN. AYER TAWAR JAYA 1, AYER TAWAR, DAERAH MANJUNG, PERAK.

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ABSTRACT

As defined in the title of my project, a study of the design, construction and cost of infrastructure to the sewerage reticulation at Taman Ayer Tawar Jaya 1, Ayer Tawar, Daerah Manjung, Perak, I covered three topics which are simple, basic design concept in Chapter 1, the processes of construction for sewerage reticulation in Chapter 2, and discussion of the estimated cost in Chapter 3.

In chapter 1, I explained about the basic, simple design concept and importance of the design in determining the gradient of pipes, manholes and the materials used for the pipes.

In chapter 2, I explained the processes of construction for sewerage reticulation. The construction of sewerage reticulation separated into two which is construction of vitrified pipes and construction of the manholes. I also discussed the problems encountered in the construction.

I came out with the estimated cost of sewerage reticulation based on the as built drawings. I also compared the estimated cost between two materials used for the pipes, advantages and disadvantages used for the pipes in the construction. And I had come out with the discussion of these topics in the Chapter 3. Due to the limitation of the pages that can be included in the body of the report, so, bill of quantities for these two materials I put in appendices included quantities, unit rates and the estimated cost.

In conclusion, I summarized all the project's outcomes which are discussed in the Chapter 1, 2, and 3.