



**DEPARTMENT OF BUILDING
UNIVERSITI TEKNOLOGI MARA
(PERAK)**

SURFACE WATER DRAINAGE

**Prepared by:
NOR RASYIDAH BINTI ZULKEPLI
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ABSTRACT

Drainage is a very important as an artificial removal surface or sub-surface in the town, therefore this report will discuss about importance of surface water drainage for the pavement and building at the study case places. This report was conducted at Basco Sdn Bhd land in process of building a new office of Suruhanjaya Syarikat Malaysia (SSM). The objective of this report is to explore the methods and sequence of work for the construction of the Surface water drainage. It will focus on prevention the surface water disturbing safety and efficiency of the pavement for its users. To identify problems of the surface water drainage construction, in other to find the solution and give recommendation. This report cases also will investigate the sequences of surface water drainage.

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CHAPTER 1

INTRODUCTION

1.1 Background and Scope of Study

“Surface Water Drainage Construction”, consist of build one direction to the surface water to suitable collection points and conveying the collected water to suitable outfall. The surface water is encouraged to flow of the paved area by cross falls, which must be designed with sufficient gradient to cope with the volume of water likely come up during a climate changing such as heavy rain storm, to prevent vehicles skidding or aquaplaning.

Development of building sites also generally leads to increased impermeable areas that can significantly increase the amount of surface water run-off to be deal with. The approach to the disposal of surface water from buildings and hard surfaces clearly needs to be considered at the earliest stage in the design and development process. It is essential that the surface water from buildings is removed safely without damage to the building and safe for occupant. Further a head, we will go deeper to the scope of study which is the “Surface Water Drainage Construction”.



Figure 1.1: Under construction drain.