

# DESIGN OF INFRASTRUCTURE WORKS FOR A HOUSING DEVELOPMENT

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## ABSTRACT

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The title of my project is Design of Infrastructure Works for a Housing Development. The infrastructure works design is entailing with earthwork, drainage, road, water and sewer piping. All the design should be in line with the current local authorities By-laws and requirements.

Firstly, I have to prepare an actual development plan and survey plan of original contour levels. The title of my actual plan is PROPOSED HOUSING DEVELOPMENT ON N.T. 7291 AND N.T. 7292 AT TAMPARULI, TUARAN, SABAH.

With this, I can start my earthwork design. This is the most important part in housing development and environmental impact should be taken into consideration.

After I had completed my earthwork design, I can proceed to my other design, the drainage design should meet the requirements set by the Department of Irrigation and Drainage (JPS, Jabatan Pengaliran dan Saliran). For the road design, it should fulfill the requirements set by the JKR (Jabatan Kerja Raya). At the same time, the water piping design should fulfill the standards set by the JBA (Jabatan Bekalan Air). While for the sewer piping design, it should follow the requirements set by the Sewerage Services Department.