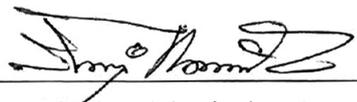


Nikhom Khongsuwan 2007: Development of Computer Program for Design and Draft of Morning Glory Outlet Works. Master of Engineering (Irrigation Engineering), Major Field: Irrigation Engineering, Department of Irrigation Engineering. Thesis Advisor: Associate Professor Santi Tongpumnuk, M.Eng. 147 pages.

To develop the Computer Program for the Design of Morning Glory Outlet Works by using Microsoft Excel and AutoCad that are written by Visual Basic for Application(VBA.). This program is used for calculating the hydraulic design , structure design , cost estimation and drawing picture of the Outlet Works. The purposes of this program are 1) to reduce the iteration of calculation which will lead to the time consumption, 2) interactive to the user which is easy to understand, 3) the program can show the output of each step of calculation through printer

Comparison of the results by these two methods, The ordinary Excel calculation and Computer Program have no significant differences. However, it shows that the design of outlet work by Visual Basic for Application(VBA.) Program can economize on time and be more convenient than the primitive design process.


Student's signature


Thesis Advisor's signature

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