

**DESIGN STUDY OF FLOOD CONTROL SYSTEM OF THE
ROMBLON STATE UNIVERSITY – MAIN CAMPUS**

**A Thesis Presented to the
Faculty of the College of Engineering and Technology
Romblon State University
Odiongan, Romblon**

**In Partial fulfilment of the Requirements for the Degree of
BACHELOR OF SCIENCE IN CIVIL ENGINEERING**

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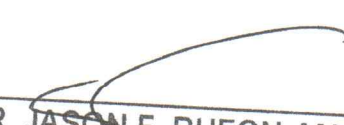
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The thesis entitled, "DESIGN STUDY OF FLOOD CONTROL SYSTEM OF THE ROMBLON STATE UNIVERSITY – MAIN CAMPUS," prepared and submitted by DE ROXAS, M.B., FABABEIR, A.L., FABELLON, P.F. FORCADO, M.M., RELOX, M.M., in partial fulfillment of the requirements for the degree of Bachelor of Science in Civil Engineering is hereby accepted for oral examination.

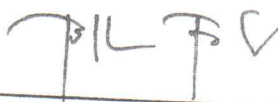

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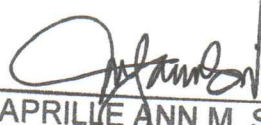

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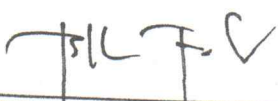

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ABSTRACT

The study was conducted in order to present an alternative solution to avert flooding at the Romblon State University using the principle of collect, store and drain.

The purpose of the study is to redirect the flow of floodwater from the proposed academic oval utilizing the existing storage dam going to Bungoy River.

The drainage system will collect floodwater through the drainage canal that will be constructed around the proposed oval. The canal will have a total length of 2170 m with 1 m width. The floodwater will then be stored in a catch basin with a dimension of 4.5 x 5 x 3. Using a 7.5 hp water pump, the stored water from the catch basin will be transfer to the existing dam. From the dam, a 1.2 m in diameter spillway culvert will be constructed so that the water will flow by gravity going to the Bungoy River.

The estimated cost of the project is Php 25,000,000.00.