AIN SHAMS UNIVERSITY
FACULTY OF ENGINEERING

BEHAVIOR OF LARGE CIRCULAR SYPHONS BORED IN SOFT SOILS UNDER DIFFERENT LOADING CONDITIONS

BY

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بسم الله الرحمن الرحيم

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STATEMENT

This dissertation is submitted to Ain Shams University for the degree of DOCTOR OF PHILOSOPHY in Civil Engineering

The work included in this thesis was carried out by the author in the Department of Irrigation &Hydraulics, Ain Shams University from October 1995 to 1997.

No part of this thesis has been submitted for a degree or a qualification at any other University or Institution.

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