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finished floor. A shallow foundation system generally used when (1) the soil close the ground surface has sufficient bearing capacity, and (2) underlying weaker strata do not result in undue settlement. The shallow foundations are commonly used most economical foundation systems.

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the foundations may be designed to carry the loads from the structure with an adequate margin of safety. In doing this, much use may be made of soil mechanics but to a large extent foundation engineering still remains an art. This chapter will be largely concerned with the contributions that may be made by soil mechanics to foundation engineering.

13. AN INTRODUCTION TO FOUNDATION ENGINEERING

SOIL MECHANICS AND FOUNDATION ENGINEERING Technical editors: I.R.BOYCE WR.MACKECHNIE K.SCHWARTZ VOLUME ONE 1., 1., , OFFPRINT Published on behalf of the Division of Soil Mechanics and Foundation Engineering of the Zimbabwe Institution of Engineers A.A.BALKEMA / ROTTERDAM / BOSTON

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