

# Pile Foundation Analysis And Design Poulos Davis

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**Design of Pile Foundations**

The main components of the foundation are the pile cap and the piles. Piles are long and slender members which transfer the load to deeper soil or rock of high bearing capacity avoiding shallow

soil of low bearing capacity The main types of materials used for piles are Wood, steel and concrete.

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Geotechnical engineers are expected to hand over soil investigation report to structural engineers, who will proceed to provide the longitudinal reinforcements needed for the piles and also design the pile cap. Pile cap design is an important aspect of pile foundation construction, and has been presented in this post.

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