



## Geo-Tech



TheCaseSolution.Com

Adapted from Sivakugan & Das (2010) & Sivakugan (2009)

## Where are we at?

Shallow Foundations

Deep Foundations

Slope Failure

Shallow foundation

- Cenerally fall via general shear failure

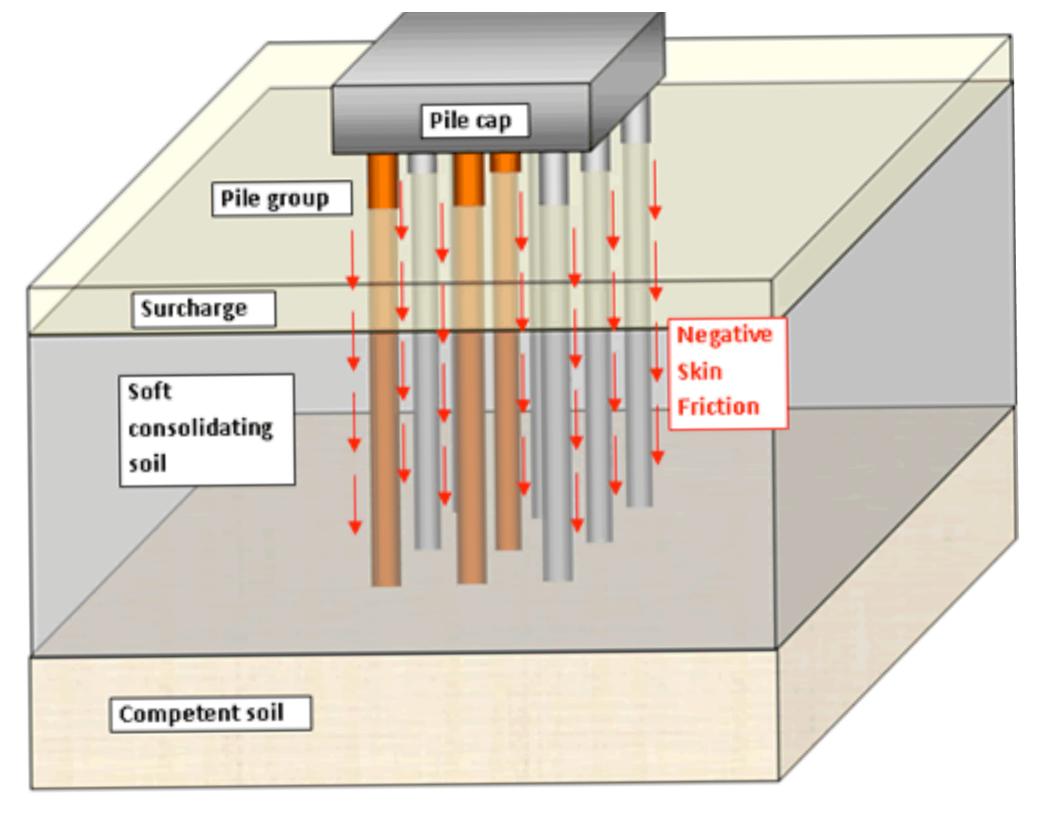
BC can be accurated via BC or (generally three components) Settlements vary on soil type

## Shallow foundations...

- Generally fail via general shear failure
- BC can be assessed via BC eqns (generally three components)
- Settlements vary on soil type equations/tables are used.

## This week's questions:

What types of deep foundations are there? How do piles 'work'? How do we calculate the bearing capacity of deep foundations?



What is a pile?

What might they be made of?

How might they be made?

What loads might they have to resist?

