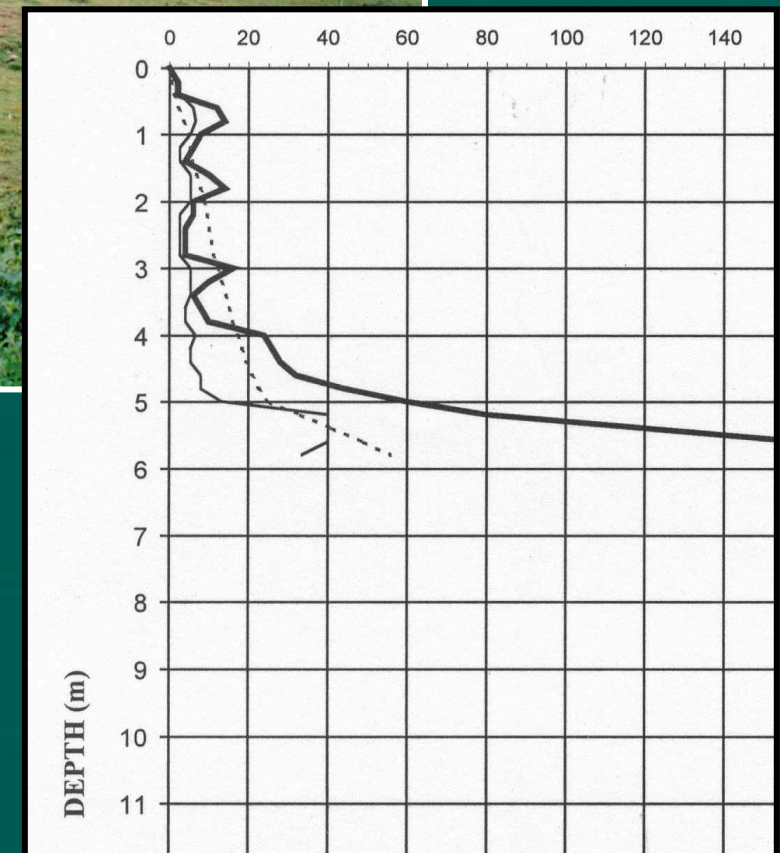
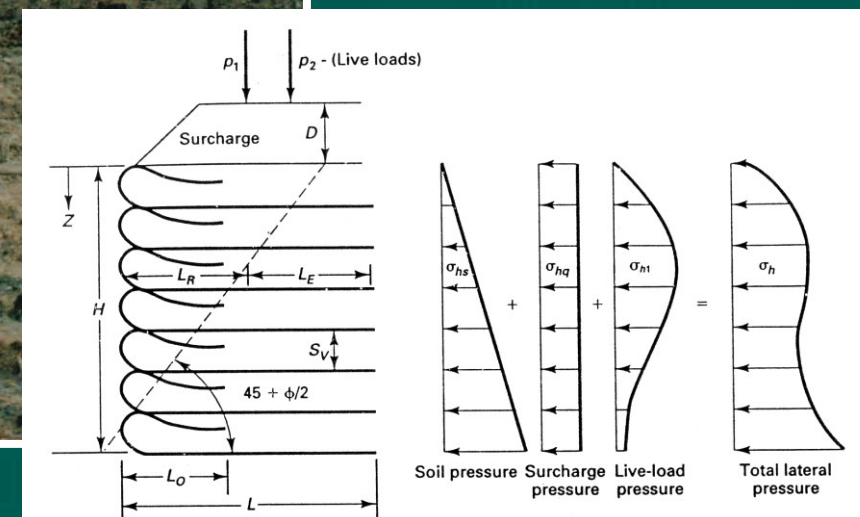


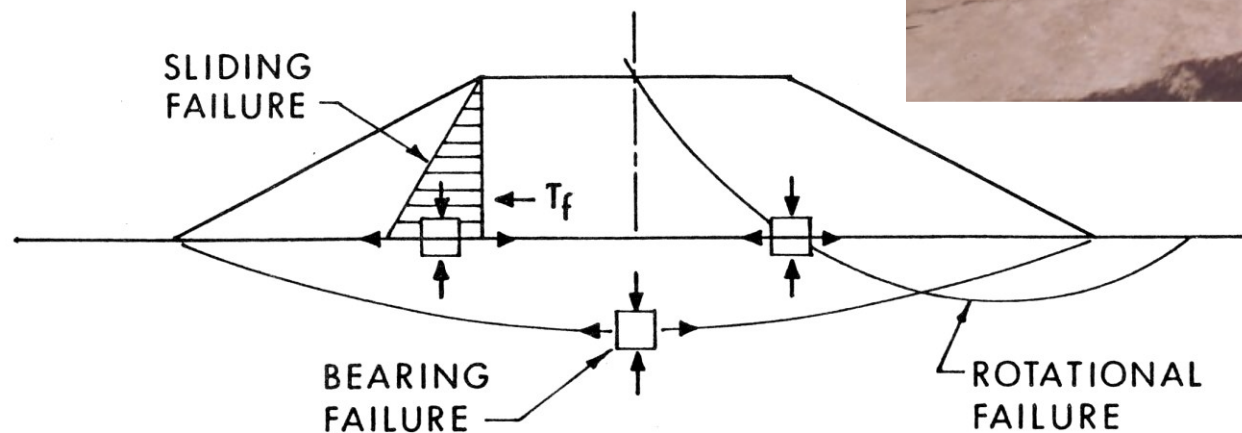
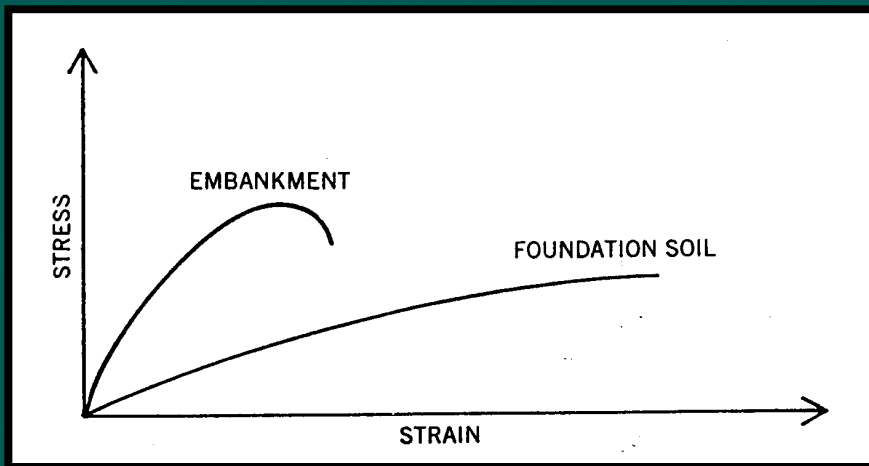
Failures of Uncontrolled Fill Embankment



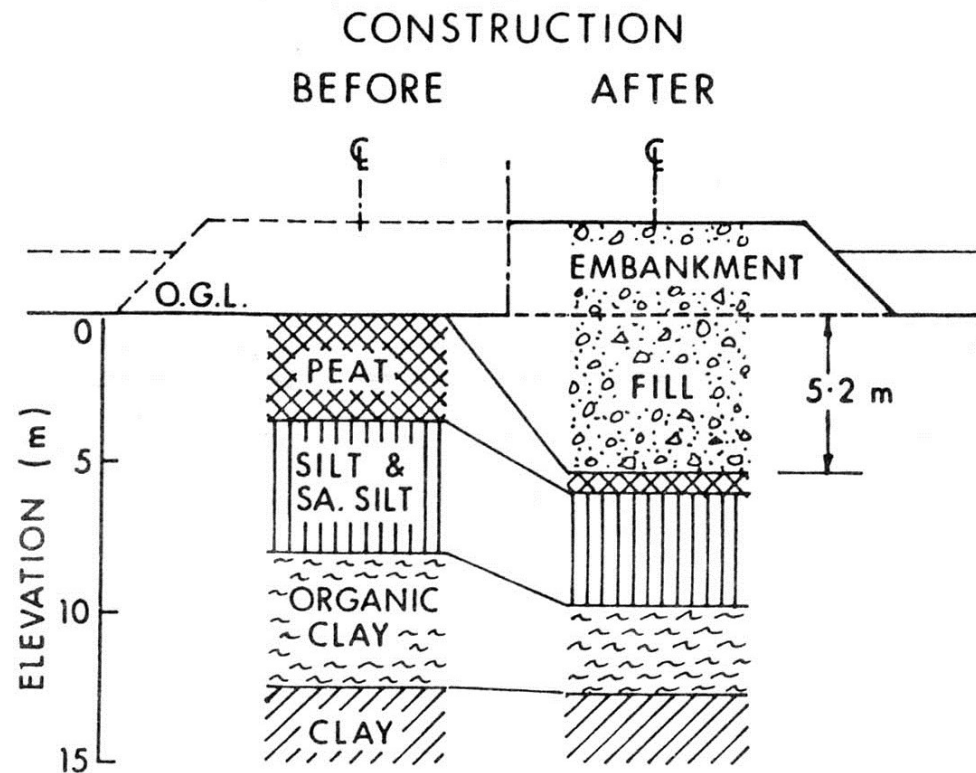
Failures of Embankment of Sandy Soils



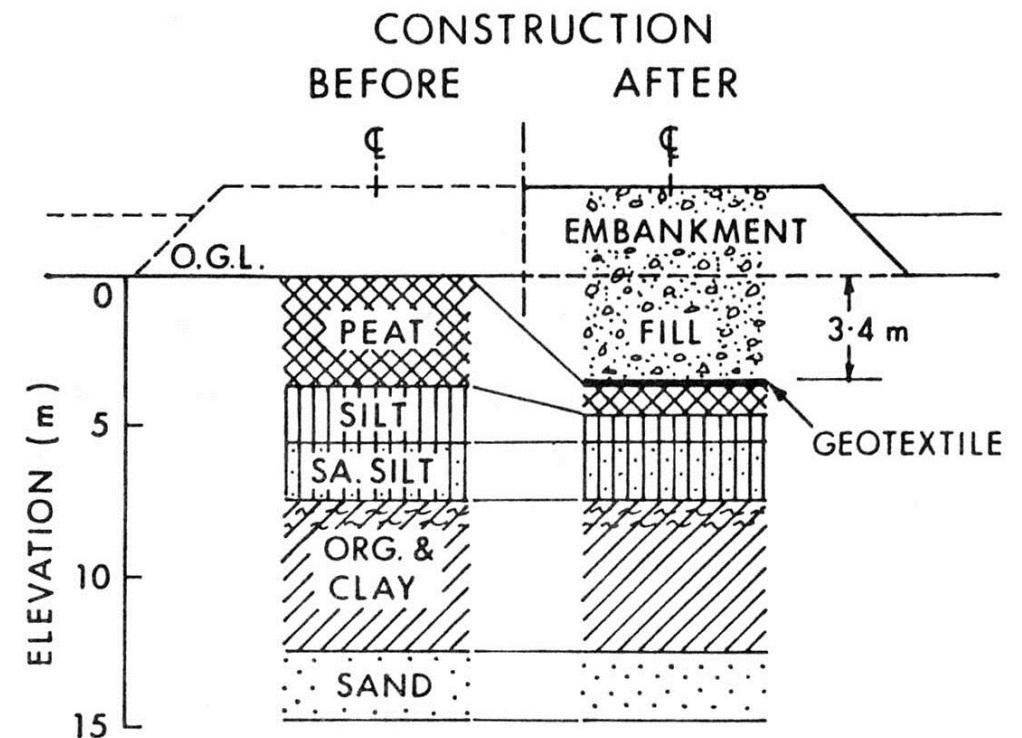
Failures of Embankment Constructed on Soft Soils



Geotextile for Embankment Constructed on Soft Soils

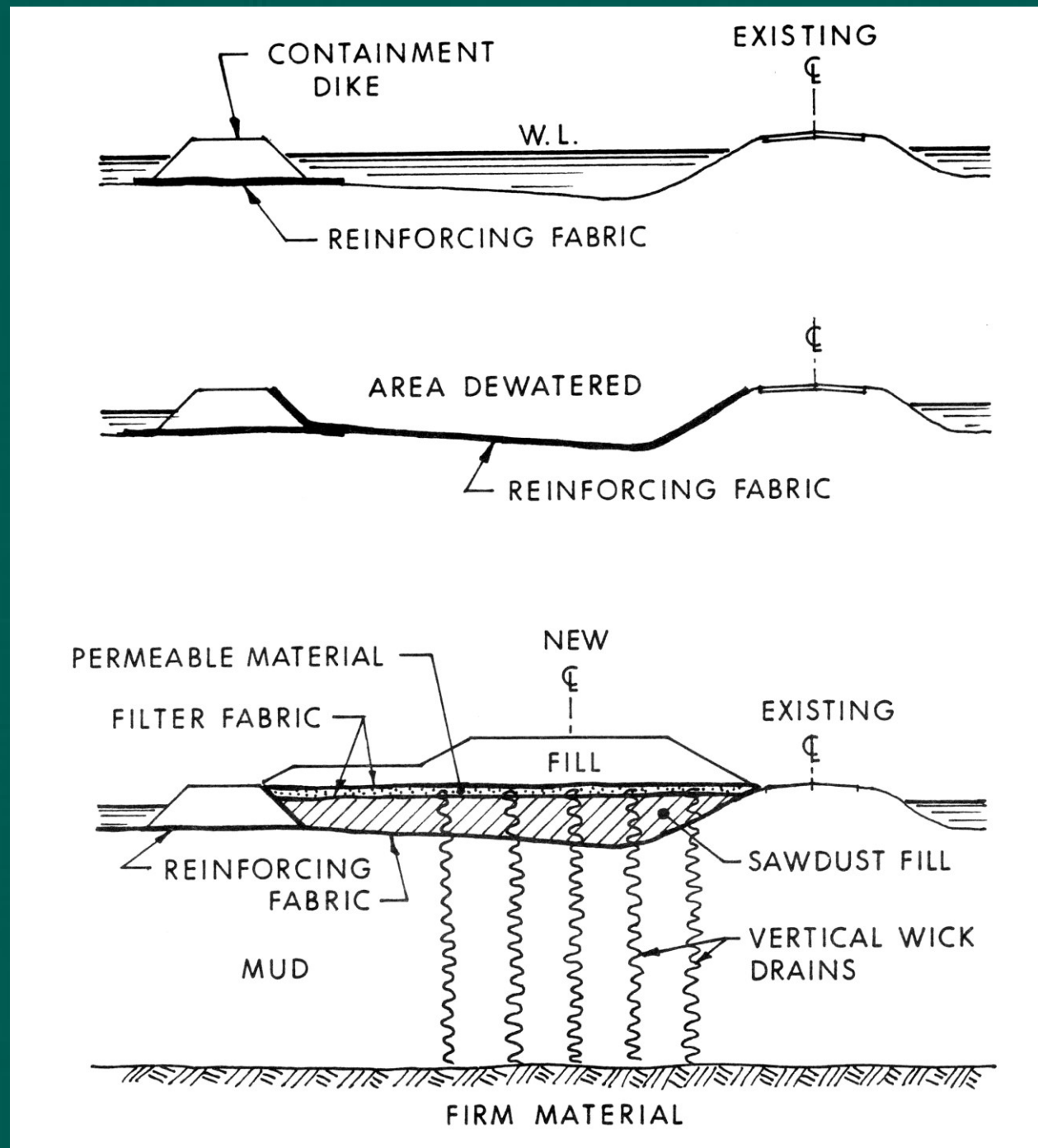


EMBANKMENT WITHOUT GEOTEXTILE



EMBANKMENT WITH GEOTEXTILE

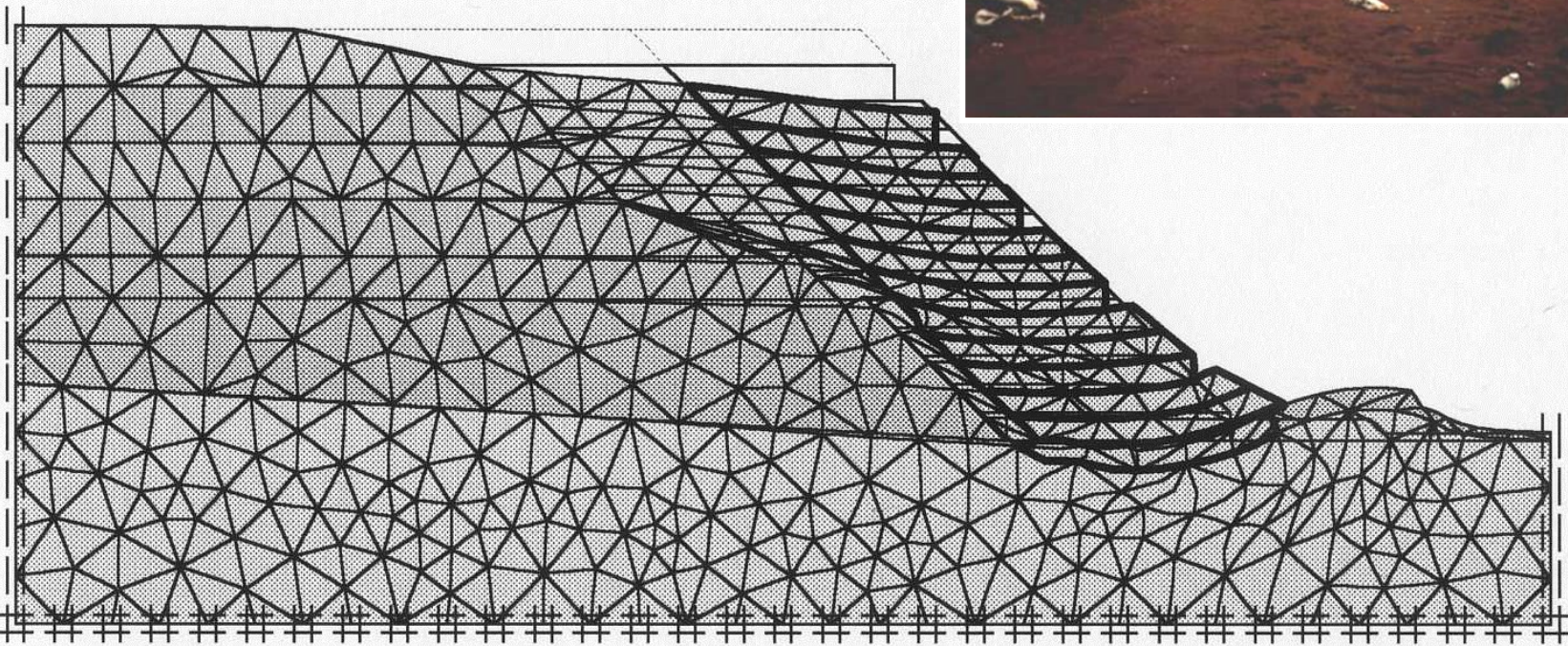
Use of Geotextile for Embankment on Soft Soil



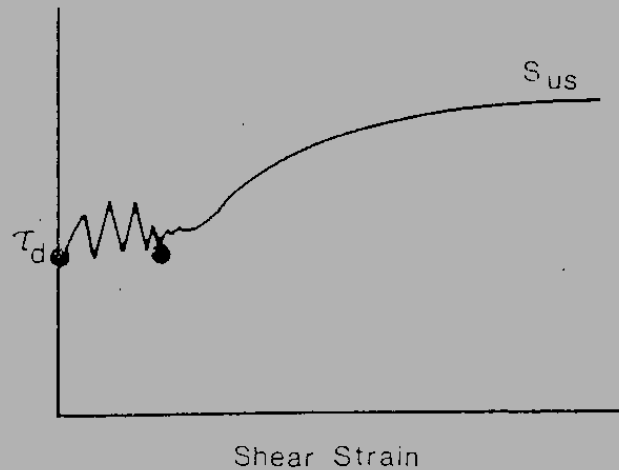
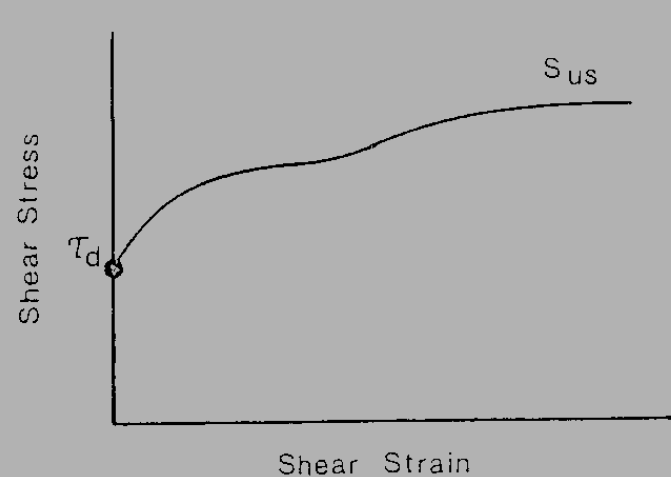
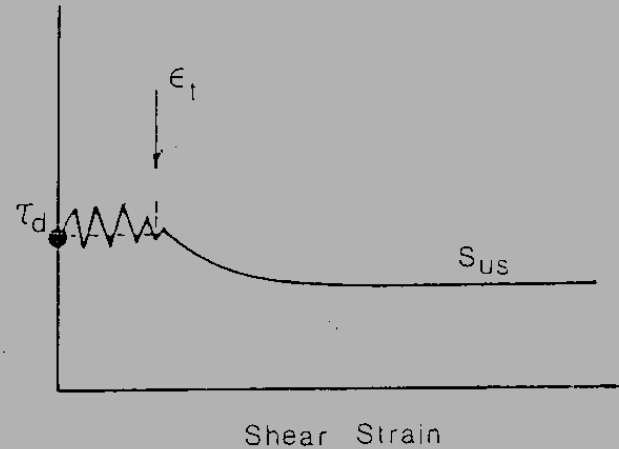
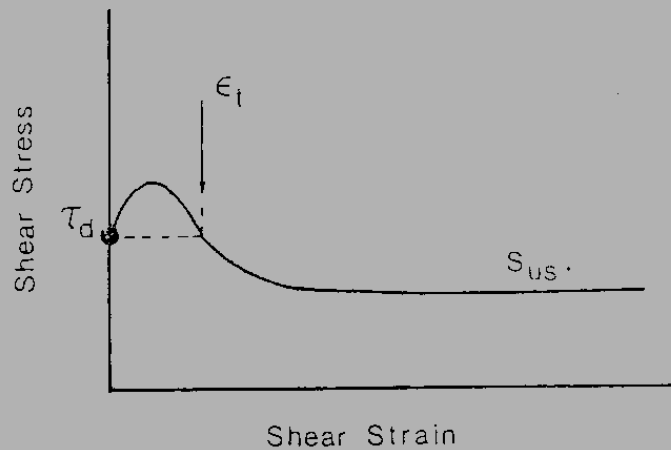
Failures of Reinforced Embankments in expansive clay



Failures of Reinforced Embankments



Slopes Failures due to Flow Liquefaction



Lanslides of Waste Material killling 104 people in Bandung



22 2 2005

Conclusions Summary

- Natural slopes possess hazard of landslides. Lack of attention
- Many slope failures occurred in man made slope especially in uncontrolled fill.
- Slope corrective methods involve specialty construction techniques that must be understood by all parties involved and shall be modeled in realistic ways. An understanding of geology, ground water and effect of water in soils, and soil properties is of central importance to applying slope stability principles properly.
- The analysis of slopes shall take into account a variety of factors relating to topography, geology, and material properties, often relating to whether the slope was naturally formed or engineered.
- The use of geosynthetic should not neglect the principle of geotechnical engineering and understanding of the soil properties

End of Presentation