

JULY 2016 MEETING

Wednesday, June 13, 2016 (1.0 PDH)

TECHNICAL PROGRAM

Geotechnical Considerations for Soil Stability, Ditches, Embankment and Detention Ponds

Speaker: [David Eastwood](#), P.E., C.A.P.M., founder and Principal Engineer with [Geotechnical Engineering and Testing](#), and Co-founder of the Foundation Performance Association. Tel. 713-699-4000

PRESENTATION SUMMARY

Mr. David A. Eastwood, P.E., C.A.P.M., discussed "Geotechnical Considerations for Soil Stability, Ditches, Embankment and Detention Ponds". Cities around Houston are involved in design and construction of many types of facilities. These facilities consist of channels, detention ponds, embankments, etc. The purpose of this seminar was to provide an overview of geotechnical issues on these projects.

Mr. Eastwood discussed slope failures, erosion protection, slope stabilization, embankments, detention ponds, ditches, retaining walls, etc. He also discussed the City of Houston Chapter 11 of the Design Manual for Geotechnical Services. His presentation covered the Harris County Flood Control Geotechnical Guidelines for design of these facilities, as well as potential design and construction considerations for channels and detention ponds associated with the Houston soils.



To read summaries of previous FPA presentations by David Eastwood, please click:

[February 2014](#) - Simplified Method for Design of Shallow Drilled Shafts Subject to Light Loading in Expansive Soils

[September 2007](#) - Recommended Practices for Design and Construction of Swimming Pools in Houston

[January 2003](#) ASCE Paper Presentation - "Recommended Practice for the Design of Residential Foundations."

[June 2001](#) - State of Practice of Geotechnical Engineering Design of Custom Homes in the Houston Area between 1990 and 2001