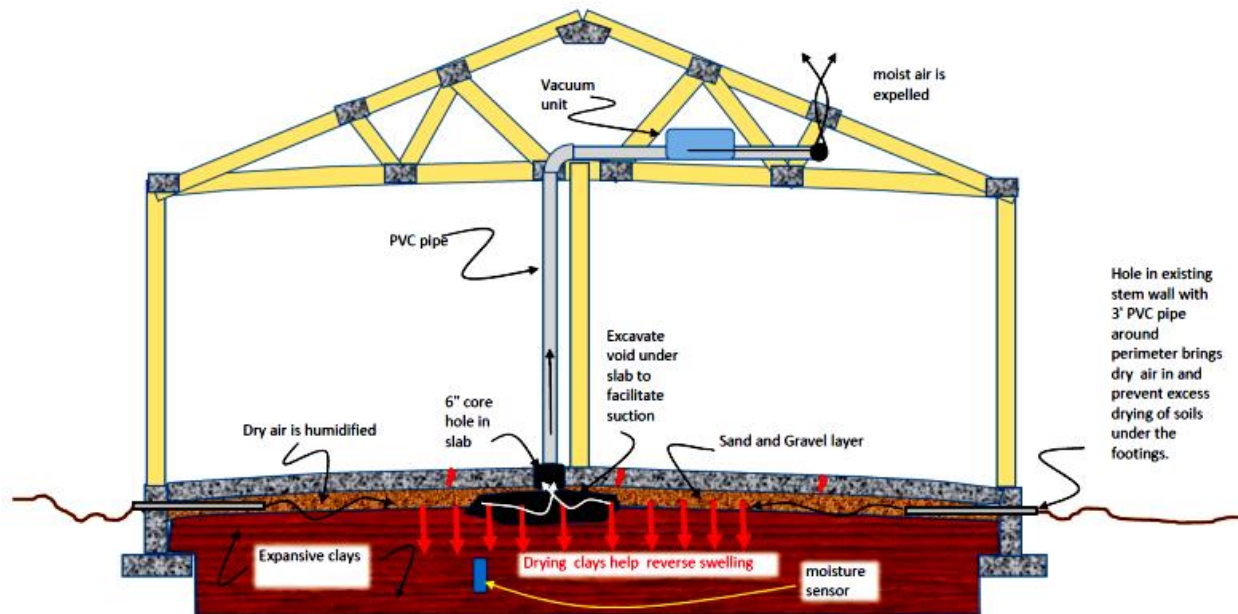


**NOVEMBER 13, 2019**

Wednesday, November 13, 2019

5:30 PM (1.0 PDH)



## PRESENTATION

5:30 PM (1.0 PDH)

Title : **Development and Engineering Aspects of the Arizona Foundation Solutions, Inc. Moisture Level System**

Speaker : [Mr. Bob Brown, CFRS, LEED AP](#) and [Mr. J. David Deatherage, P.E.](#) w/ [Arizona Foundation Solutions](#)

Bob Brown is the Owner and President of Arizona Foundation Solutions (AZFS) and developer of the Moisture Level System (MLS). Brown has a Bachelor of Design Science degree in Housing and Urban Development (1984) from the School of Architecture and a Bachelor of Science in Finance degree from the School of Business (1984), both at Arizona State University. AZFS has performed over 8,000 house foundation investigations and stabilized or repaired over 4,000 homes over the last 15 years. Brown has been working on the development of the MLS for more than 15 years, has patented the procedure and has installed the MLS in over 1,000 home sites since 2014 to help reduce and control soil expansion under home slabs. J. David Deatherage, P.E. is a senior geotechnical engineer and President of Copper State Engineering, Inc. Deatherage has a Bachelor of Science degree in Civil Engineering (1978) and a Master's of Science degree in Civil Engineering (1980), both from Arizona State University. Deatherage has worked with geotechnical remediation alongside Brown for more than 15 years and provided technical support to Brown during the multi-year development of the MLS.

**ABSTRACT** : The Moisture Level System (MLS) was developed in 2004 by inventor Mr. Bob Brown to control expansive soil heave under concrete slabs. Mr. Brown is the owner and president of Arizona

Foundation Solutions, Inc. The system uses a variation of sub-slab depressurization to induce surficial drying in expansive clays under slabs. This presentation covers the development, design and multi-year testing results of the Moisture Level System in the greater Phoenix Arizona area.

#### **WHO SHOULD ATTEND**

Foundation Design Engineers, Forensic Engineers, Geotechnical Engineers, Inspectors, Builders, Foundation Contractors, Architects, Attorneys, Building Owners, Home Owners, and others interested in a novel method for stabilizing expansive soil below foundations.

#### **PRESENTATION SUMMARY**

[Click here to view the presentation](#)