



Ground Improvement and Specialty Piling Contractors

# Project Summary

NBCUniversal Area 71  
Universal City, California

*The Premier Design-Build Geotechnical Contractor™*

## Deep Soil Mixing



### Project Description:

Construction of four sound stages and two production buildings at NBCUniversal Studios. AGI installed discrete and overlapping panels of DSM columns of 4-, 6- and 8-foot diameter to more than 60 feet deep. Column tip elevations were determined by drilling resistance to verify bedrock embedment ensuring adequate bearing capacity. A DSM buttress was installed with limited access between a roadway and slope.

### Application:

- ❖ Provide improved bearing capacity
- ❖ Mitigate liquefaction Settlement
- ❖ Construct lateral spread buttress

### Geotechnical Conditions:

- ❖ Artificial fill and obstructions
- ❖ Silty sands, gravels and Topanga Formation bedrock embedment
- ❖ Loose, liquefiable silty sands
- ❖ Free face lateral spread to LA river

#### Design-Build Contractor:

Advanced Geosolutions Inc (AGI).

**Owner:** NBC Universal

**General Contractor:** Snyder Langston

#### Geotechnical Engineer:

Shannon & Wilson, Inc.