



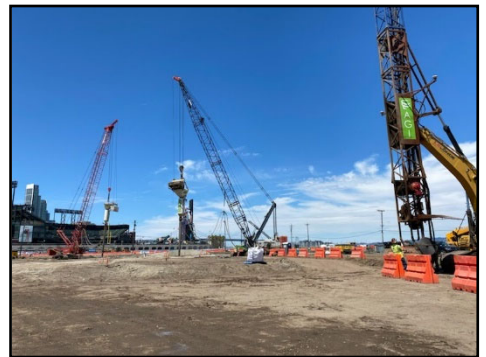
Ground Improvement and Specialty Piling Contractors

# Project Summary

Mission Rock Phase 1  
San Francisco, California

*The Premier Design-Build Geotechnical Contractor™*

## Wick Drains & Vibro-Replacement | Soil Densification



### Project Description:

AGI installed wick drains and stone columns at the Mission Rock project in San Francisco, CA. The ground improvement served to mitigate the potential for liquefaction during an earthquake and control static settlement. AGI installed approximately 380,000 ft of wick drains and 5,000 stone columns. The wick drains allowed for rapid dissipation of excess pore pressures generated by the stone columns installation, thereby improving this technique's effectiveness. AGI recorded the penetration resistance vs depth that allowed the GEOR to determine the depth of the Bay Mud layer at each wick drain location across the site. Once that contact was determined the stone columns were installed terminating 2 feet above that layer.

### Application:

- ❖ Densification of cohesionless soils
- ❖ Mitigate liquefaction settlement
- ❖ Limit static settlement

### Geotechnical Conditions:

- ❖ Liquifiable fill
- ❖ Compressible bay mud

### Design-Build Contractor:

Advanced Geosolutions Inc (AGI)

### Developer (Tenant):

Tishman Speyer

### General Contractor:

Webcor

### Geotechnical Engineer:

LANGAN Engineering