



Ground Improvement and Specialty Piling Contractors

Project Summary

Parcel O
San Francisco, California

The Premier Design-Build Geotechnical Contractor™

Cement Deep Soil Mixing (CDSM)



Completed Overlapping CDSM Shoring Wall



Completed CDSM Elements for Foundation Support

Project Description:

The Parcel O complex consists of a low income housing structure in urban San Francisco. AGI designed and installed CDSM columns for structural foundation support. AGI also constructed a temporary shoring wall consisting of continuous overlapping 6ft diameter CDSM columns to retain the soil of the upper level work pad while work was being carried out at the basement level.

Application:

- ❖ Provide improved bearing capacity
- ❖ Mitigate liquefaction settlement
- ❖ Limit static settlement
- ❖ CDSM shoring wall for temporary support

Geotechnical Conditions:

- ❖ Undocumented fill
- ❖ Dune sands
- ❖ Underlying marsh deposits

Design-Build Contractor:

Advanced Geosolutions Inc (AGI)

Owner: Mercy Housing

General Contractor:

Cahill Contractors– San Francisco

Geotechnical Engineer:

Langan Treadwell Rollo