



## Testing & Inspections

**GMU provides comprehensive Geotechnical Engineering Services and has over 50 years of experience evaluating soil and rock conditions.**

### Soils and Materials Testing

- Complete In-House Soils and Rock Laboratory Certified by AMRL & Caltrans
- Complete Pavement Laboratory Certified by Caltrans
- Construction Materials Testing

### Special Inspection

- Comprehensive Special Inspections Performed by ICC-Certified Inspectors
  - Reinforced Concrete
  - Post-Tensioned Concrete
  - Structural Masonry
  - Structural Steel Welding and Bolting
  - Spray Applied Fireproofing
  - Shear Wall Nailing/Panel Inspections
  - Tie-Backs/Soil Nails

### Field Inspections/Grading Support

- Complete Field Soils Testing During all Phases of Grading
  - Rough Grading – Large Mass Grading, Slope Stabilization
  - Precise Grading – Utility Trenches and Wall Backfill, Subgrade Excavation and Preparation
  - Foundation Construction – Shallow and Deep Foundations and Slabs
  - Deep Soil Mitigation
- Complete Grading Support
  - Field Supervision by Engineers & Geologists
  - Grading Observations
  - Compaction Testing
  - Moisture Control
  - Real-Time Change Condition Re-Evaluation and Engineering
  - Mobile Labs
  - Grading Data QA/QC

### Pavement Inspections

- Complete Field Pavement Inspections
  - Batch Plant Inspections
  - Field Testing – Temperature, Lift Thickness, Coring, Density Testing
  - Slurry Seal – Emulsion Content, Wet-Track Abrasion, Moisture Conditioning

### CORE SERVICES

Geotechnical Engineering and Engineering Geology  
Pavement Engineering  
Structural Engineering  
Civil Engineering  
Forensic Engineering/Expert Witness  
Soils/Materials Testing  
Construction Management/Monitoring

### SPECIALTY SERVICES

Stormwater QSP and Stormwater Monitoring  
Geotechnical Instrumentation – Design, Installation, and Monitoring  
Construction Vibration Monitoring  
Blast Consulting and Evaluation

### PROJECT TYPES

Large Mass Grading Projects  
Pad Grading Projects  
Walls (Cantilever, MSE, Soil Nail, Tie-back, Gravity)  
Commercial Buildings  
Residential Structures  
Slope Stabilization  
Ground Modification