

# **CURT R. PETERSON, P.E.**

## ***Principal Engineer - Peterson Geotechnical Group, LLC***

### **EDUCATION**

Masters of Science, Geotechnical Engineering, Brigham Young University, Provo, Utah  
Bachelor of Science, Civil Engineering, Brigham Young University, Provo, Utah

### **REGISTRATIONS**

Registered Professional Engineer, Arizona, PE 39513  
Registered Professional Engineer, Colorado PE 44615  
Registered Professional Engineer, New Mexico, PE 20082

Registered Professional Engineer, Arkansas, PE 16811  
Registered Professional Engineer, Nevada, PE 023603  
Registered Professional Engineer, Utah, PE 362273-2202

### **EXPERIENCE**

Mr. Peterson has nearly 20 years of experience in the field of Civil Engineering and is the Principal Engineer at Peterson Geotechnical Group, LLC. Mr. Peterson has designed, drafted, and surveyed subdivisions, roadways, utility lines, and commercial and retail site improvements. Mr. Peterson has also worked with the Town Engineer for Elk Ridge and Woodland Hills, Utah, reviewing plans and performing engineering inspections for proposed developments within each community. As a Geotechnical Engineer, Mr. Peterson's experience includes: public works projects such as airports, pipelines, roadways, bridges, educational facilities, sewer stations, and pump stations; private developments including residential homes, hospitals, commercial buildings, parking garages, retail buildings, parking lots, and power plants; and forensic projects including custom homes, numerous residential subdivisions, hospitals, commercial and retail buildings, underground parking structures, sewer lift stations, parking lots, roadways, and utility lines. As the Principal Engineer for Peterson Geotechnical Group, Mr. Peterson's duties and experience has included coordinating forensic geotechnical investigations, overseeing and monitoring field sampling and testing activities, providing, conducting and overseeing laboratory testing, performing geotechnical calculations, writing and reviewing reports, and providing expert services including deposition and trial testimony and mediation attendance on construction defect lawsuits. During Mr. Peterson's career, he has personally visited thousands of homes in a forensic capacity in order to evaluate soil and/or drainage related issues. He has also provided recommendations and overseen repairs at hundreds of homes throughout Arizona.

Mr. Peterson's relevant experience includes the following:

- Water tanks including the Panda Gila River two million-gallon storage tank and the Saguaro Acres water tank.
- Slope stability analysis and repair recommendations for State Route 191 between Clifton and Morenci, Arizona.
- Geotechnical engineering evaluations and recommendations for proposed Wal-Marts and CVS pharmacies.
- Liquefaction, dynamic settlement, and lateral spreading analysis on the Cherry Hills Interchange in Farmington, Utah and for the Salt Palace Convention Center expansion in Salt Lake City, Utah.
- Dam and embankment safety evaluations on the City of Phoenix Dam No. 3, and diversionary embankments in the Town of Maricopa and Rio Verde.
- Constructability evaluations for numerous sewer and water lines throughout Arizona.
- Geotechnical evaluations and recommendations for bridges along the US60 freeway, 202 San Tan freeway, Walnut Canyon Eastbound Bridge in Coconino County, and the Pantano Railroad Underpass in Tucson, Arizona.
- Performed pavement design and subgrade analysis on numerous projects across Arizona.
- Power plant projects including the Gila River Project and Solana Solar Plants in Gila Bend, Arizona, and the Redhawk Power Plant in Wintersburg, Arizona.
- Government buildings including the Arizona Department of Transportation maintenance building in Kingman, Arizona and commercial buildings including the Gate Gourmet warehouse in Phoenix, Arizona.
- Numerous forensic geotechnical evaluations for various residential and commercial structures throughout Arizona, including Yuma, Somerton, Parker, Bullhead City, Fort Mohave, Lake Havasu, Kingman, Show Low, Jerome, Prescott, Prescott Valley, Cottonwood, Flagstaff, Winslow, Show Low, Lakeside, Sierra Vista, Roosevelt, Phoenix metro, and Tucson.
- Designing and overseeing forensic geotechnical repairs for numerous commercial and residential structures including injection grouting, deep foundations (helical piers, push piers, micro piles, caissons, etc), structural and non-structural cut-off walls, French drainage systems, drainage improvements, etc.
- Numerous moisture Intrusion evaluations throughout Arizona in order to determine source(s) of moisture contributing to microbial growth, soil movement, efflorescence, perched groundwater conditions, etc.
- Soil densification using compaction grouting at the Sun Village Condominiums in Surprise, Northern Trust Bank in Scottsdale, Lincoln Towne Centre in Scottsdale, Cornerstone Building in Tempe, Tuscan Ridge Apartments in Glendale, Arizona and various other residential and commercial structures.
- Evaluating and designing repairs for underground parking structures including the Lincoln Town Center in Scottsdale, Arizona; multiple underground structures along Central Avenue, 3<sup>rd</sup> Avenue, and 16<sup>th</sup> Street, in Phoenix, Arizona; Northern Trust Bank in Scottsdale, Arizona, Scottsdale Shadows parking garage in Scottsdale, Arizona; and Kierland Commons parking garage in Scottsdale, Arizona.
- Soil corrosion analysis and repair recommendations relating to chlorides and sulfates at various projects throughout Arizona.

### **PROFESSIONAL AFFILIATIONS**

American Society of Civil Engineers, National Golden Key Honor Society, International Association of Foundation Drilling, American Concrete Institute, Associate Member of the Post-Tensioning Institute