

# RAFAEL PEREZ, P.E., R.S.

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## EXPERIENCE

### **September 2022 – Present**

#### Director of Engineering, Ray Engineering, Inc., Norcross, Georgia

Provide consulting services for civil/structural and construction related problems for various condominium, apartment, single-family, residential, and commercial properties.

Conducts Property Condition Assessments and prepares detailed reports.

Conducts Capital Reserve Analyses as a Reserve Specialist.

Conducted and analyzed drainage, retaining structures, underground facilities.

Utilizes AutoCAD and other design software systems for design preparation and specifications for restoration of deficiencies and new construction.

Perform nondestructive testing (NDT), structural analysis, structural condition assessments, inspection of repair work and building envelope components.

### **February 2020 – September 2022**

#### Project Engineer, Ray Engineering, Inc., Norcross, Georgia

Provide consulting services for civil/structural and construction related problems for various condominium, apartment, single-family, residential, and commercial properties.

Conducts Property Condition Assessments and prepares detailed reports.

Conducts Capital Reserve Analyses as a Reserve Specialist.

Conducted and analyzed drainage, retaining structures, underground facilities.

Utilizes AutoCAD and other design software systems for design preparation and specifications for restoration of deficiencies and new construction.

Perform nondestructive testing (NDT), structural analysis, structural condition assessments, inspection of repair work and building envelope components.

### **June 2019–January 2020**

#### Geotechnical Civil Engineer, Geotest Engineering Inc., Houston, Texas

Conducted and analyzed retaining structures, underground facilities, rock and soil mechanics, and geotechnical applications. Prepare geotechnical data reports, calculations, report recommendations, and conduct modeling. Managed and controlled project operations by reviewing soil classification, field reports, concrete mix designs, closing summary reports, providing proper specifications, plans, and requirements to provide safe and effective building methods. Provided laboratory analysis such as borings, proctors, sieves, lime stabilization series, tri-axial tests, atterbergs limits tests, and compressive strength on soil and concrete.

### **October 2016–April 2019**

#### Senior Project Engineer/QC Manager- Primoris Heavy Civil, Houston, Texas

Evaluated and revised sediment and erosion control inspections, pavement design procedures and temporary traffic controls. Managed project costs, project scheduling and project requirements efficiently meeting deadlines and budget requirements up to 25 million dollars. Analyzed and monitored work performed before, during and after construction to meet FAA and TXDOT design specifications.

## EDUCATION AND TRAINING

Kennesaw State University, Atlanta GA, Bachelor of Science, Civil Engineering, May 2013  
Designated Reserve Specialist (RS) through Community Associations Institute, 2020