

RAFAEL PEREZ, E.I.T., R.S.

EXPERIENCE

February 2020 – Current

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 and is a Reserve Specialist.

Conducted and analyzed retaining structures, underground facilities.

Utilizes AutoCAD 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.

July 2015 – October 2016

Project Manager – Furgo Consultants, Inc., Houston, Texas

Prepare geotechnical data reports, calculations, report recommendations, and conduct modeling.

Prepared and reviewed project contracts, specifications and drawings for clients and field technicians.

Reviewed and analyzed project specifications, plans, field operations, field reports, laboratory tests and procedures to provide accurate design parameters, codes, methods, and information to the client.

July 2013 – December 2014

Civil Engineer – United Consulting Group, Norcross, Georgia

Conducted phase I and phase II environmental site assessments including soil and water sample and testing.

Monitored and analyzed groundwater wells, water quality controls and wetland evaluations.

Performed and analyzed field geotechnical engineering operations such as borings, and auger penetrometers to provide accurate information, design parameters and safety standards for the client.

Monitored and conducted field materials engineering operations such as grading operations and foundation bearings to assure that project specifications were met.

EDUCATION AND TRAINING

Kennesaw State University, Atlanta GA, Bachelor of Science, Civil Engineering, May 2013