

JUAN P. RODRIGUEZ, PE

ASSISTANT PROJECT MANAGER

Mr. Rodriguez is an Assistant Project Manager in Bohler Engineering's Towson, MD office. Since joining the firm in 2015, he has made contributions to the design and consulting of multiple private and public projects,-- including: public infrastructure, residential and commercial, from concepts thru completion. Mr. Rodriguez also collaborates with local jurisdictions to ensure compliance with zoning code regulations, permitting process, public safety, proposal preparation and other business development activities.

His expertise includes in stormwater management and erosion and sediment control design using MDE regulations, layouts in compliance with ADA standards and zoning codes, quality control and implementing value engineering for complex projects.

PROFESSIONAL EXPERIENCE

Throughout his career, Mr. Rodriguez has been involved in the development of multi-faceted projects, including:

Smith Home Farm, Upper Marlboro, Maryland. Project Engineer. Responsible for the site design, stormwater management, sediment control and water and sewer and parks associated to the 1,200 units in the mixed-use subdivision (townhouses, single family and retail).

Moore Property, Prince George's County, MD. Project Engineer. Provided land development services for 375 townhouse, 130 multi-family units, recreational facilities and 3,000 sf of neighborhood retail. Design services spanned urban design, preliminary and final engineering and included horizontal and vertical layout for roads, alleys, and lots, utilities, storm drain including pipe and structure design for more than 12,000 LF of public and private systems. This included detailing of custom structures (flow splitters) and stormwater management facilities (wet pond and shallow wetland) and bypass design using civil storm and TR-20, erosion and sediment control, and rough/fine grading as well as overall project coordination.

ICC-I95 Interchange, MD. Project Engineer. Responsible of the hydrology and hydraulic modeling of the culvert - ponds system around the Interstate-95 interchange. Services included the elaboration of multiple models using civil storm, TR-20 and HY8.

Roland Run Levee, MD. Project Engineer. Responsible for the hydrology and hydraulic modeling of the 200 foot long levee system, which was designed to meet the new FEMA regulations and to increase the existing 100-year flood free board.

Mills Property, Prince George's County, MD. Project Engineer. Urban design, preliminary and final site engineering for 10 acres of commercial development and 13 single family lots. Design work included horizontal layout, utility design and coordination, frontage improvements and SHA access permit coordination, storm drain and stormwater management (extended detention pond, underground detention and cartridge filtration system) design, outfall analysis using Rational Method (HGL) and TR-20 for 1,500 LF of closed conduit system and erosion and sediment control design.

EDUCATION

- MS, Civil Project Management, University of Maryland, 2013
- BSE, Civil Engineering, University of Puerto Rico, 2003

REGISTRATIONS

- Professional Engineer- MD-40298
- Professional Engineer - PR-21525

AFFILIATIONS

- Urban Land Institute
- ASCE
- CIAPR

EXPERIENCE

- Bohler Engineering : 2 yrs
- Dewberry: 9 yrs
- Behar Ybarra & Assc. (Puerto Rico) : 1yr
- CMA Architects & Engineers (Puerto Rico) : 4 yrs
- EFH Architects (Puerto Rico) : 1yr

JUAN P. RODRIGUEZ, PE

ASSISTANT PROJECT MANAGER

Villages at Peppermill, Prince George's County, MD. Project Engineer. Final site engineering for 10 acres of residential development (townhomes). Design work comprised of horizontal layout, utility design and coordination, storm drain and stormwater management design.

Conifer Village, Prince George's, Maryland. Project Engineer. Responsible for the site design of an age restricted adult housing community. Design experience included the grading, stormwater management, sediment control and water and sewer and parks. Appropriate use of open spaces for recreation and amenities were important at the time to make design decisions. A combination of trails, parks, micro bioretentions with enhanced landscaping and ADA-friendly techniques were utilized to meet the adult housing community needs.

Mayaguez 2010 Track & Field and Baseball Stadiums. Mayaguez, PR. Project Engineer. Responsible of the site design of the baseball stadium and track and field stadiums (Mayaguez 2010 Juegos Panamericanos). Design comprised of a 500-unit parking lot, stormwater management under the stadiums using stormtech, storm drains, grading and layout plans. Services also include coordination with the local agencies to get the proper permits and approvals. High water table was a big issue on this project. Dynamic compaction techniques were used to decrease the high water table.

Westin Rio Mar Master Plan. Rio Grande, PR. Project coordinator responsible for preparing a utilities master plan identifying existing infrastructure to forecast future expansions and infrastructure improvements.

Ocean Villas. Rio Grande, PR. Project Engineer – Project Manager. Provided consulting and engineering services for a 200-units condominium/time-share at Westin Rio Mar Hotel property. Responsible for the coordination and design of construction documents including Stormwater Management, layout, grading, sediment control and utilities. Experience also involved construction services to address issues during construction.

Bahia Beach Resort, Rio Grande, PR. Project Engineer. Provided site civil design services for a 400-unit hotel and residential development. Service included design of the roadway network system, storm drain and wet utilities master plan, preliminary design and construction documents. Challenges on this project involved the design of the storm drain system on a relative flat site and a high-water table.