

**EDUCATION:**

Bachelor of Science  
Civil Engineering  
Florida Atlantic University

**AFFILIATIONS:**

Florida Section American Council of  
Engineering Companies

**CONTACT INFORMATION:**

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**SUMMARY**

Mr. Rivillas has 1 year of experience working on development projects in the public and private sector. He has been heavily involved in the design of roadway and parking lots, water systems, reclaimed water systems, wastewater collection and distribution systems, stormwater management and drainage design, engineering cost estimate, miscellaneous utility coordination, complete plan production, permitting, construction administration and site inspection.

**EXPERIENCE**

**Central Broward Regional Park – Additional Parking, City of Lauderdale, Florida** – As the staff engineer, the services provided included design, permit, and provide administration of the construction contract for the construction of parking facilities located within the limits of the Central Broward Regional Park. The scope includes the survey, civil engineering, landscape architecture and irrigation design and permitting through State, County, and local regulatory agencies. The estimated construction value of this project was around \$ 600,000.

**Long Key Nature Center – Volunteer Wetlands, Town of Davie, Florida** – For this project we are providing engineering services to design, permit, provide assistance during bidding and award and provide construction phase services for the construction of a volunteer wetland located at Long Key Nature Center. The project includes a volunteer wetland, paved and unpaved trail system, static educational display for the historic train platform and a tree island with pavilion located within the wetlands. The scope includes the preparation of the site civil plans, biological services, site grading, architectural plans, landscape planting plans, tree survey, and permitting through State, County and local regulatory agencies.

**Topeekeegee Yugnee (TY) Park, Reclaimed System, City of Hollywood, Florida** – The scope of this Work Authorization was to provide a design to construct a complete replacement of the existing irrigation system with a reclaimed water irrigation system, booster station and offsite connection to the City of Hollywood's reclaimed system. T&A provided engineering services to design, permit, and provided construction administration for the installation of a reuse water irrigation system located within the limits of the TY Park. The



scope includes the civil engineering and permitting required to meet the requirements of the State, County, and local regulatory agencies.

**Green Technology Corridor Wastewater Collection, Transmission and Water Distribution System Expansion for S-2 Basin Phase 2, West Side of NW 27<sup>th</sup> Avenue, Miami-Dade County, Florida** – The project included the engineering design of approximately 6,000 linear feet of gravity sewer piping (8-inch, 10-inch, 12-inch and 15-inch) with 50 lateral connections, 1,550 linear feet of force main (12-inch), and 2,110 linear feet of water main (12-inch); all within the public right-of-way. Other services included providing the topographical survey, geotechnical investigation, permitting, preparation of bid documents, and construction administration. The project also included coordination with other engineering companies involved in the improvements for Basin D2-A and in the construction of Pump Station S-2. The estimated cost of the project was approximately \$ 4.6 million.

**MD-WASD Pump Station 382 Proposed 8-Inch Force Main from NW 170<sup>th</sup> Street to NW 171<sup>st</sup> Street, Miami-Dade County, Florida** – Thompson & Associates was retained to provide civil engineering services for the Miami-Dade Water and Sewer Department on the construction of 1,600 linear feet of force main (8-inch), from the Pumps Station 382 to an existing 12-inch force main. Other services included site investigation, utility coordination, topographic survey, geotechnical investigation, develop construction documents (plan and specification), permitting, and support services during bidding and construction. The project also included coordination with other engineering company involved in the improvements for Pump Station 382. The estimated cost for this project is approximately \$ 500,000.

**Waste Management Leachate Force Main, City of Pompano Beach, Florida** – This project involves the construction of 8000 linear feet of two (2) leachate force mains (8-inch) and 6,700 linear feet of two (2) conduit pipes (6-inch); using an abandoned 24-inch reclaimed water main as a carrier pipe for most of the run. T&A provided consulting services related to the design, permitting, and construction observation services for this project. The proposed force main connects the Monarch Hill Renewable Energy park of the Waste Management of Florida to the North Regional Wastewater Treatment Plant of Broward County Water and Wastewater Services (BCWWS). The scope of the project was also to provide BCWWS with two force mains to facilitate maintenance, as well as conduit pipes to run data cables or other communication-transmission cables. The project also includes approximately 300 linear feet of HDD to cross the canal north of the North Regional Wastewater Treatment Plant. The estimated cost of this project was about \$ 2.3 million.

**Cocomar Water Control District S-45 Pump Station, City of Coconut Creek, Florida** – The project included engineering services associated with the design, permitting, bidding, and construction administration for the S-45 Storm Water Pump Station for the Broward County Water Management Division. The pump station houses two (2) 30-horsepower submersible pumps and two (2) weir gates for water control; the pump station was also given a concrete entryway for maintenance truck access. The project also involved the concrete lining of 80 linear feet of the C-4 Canal where the pumps discharge the water collected from the Hillsboro Canal.