



*DiFONTE CONSULTING, INC.*

*ENGINEERS in CIVIL, INFRASTRUCTURE, TRANSPORTATION and LAND DEVELOPMENT*



### **Riverside Drive Drainage Study**

**Owner:** Palm Beach County

**Client:** Palm Beach County Engineering & Public Works

**Services:** Study and Preliminary Engineering

#### **Project Description:**

As the civil engineer for the project, our principal conducted a drainage study for a portion of Riverside Drive in Tequesta, Florida. Located in the northeast portion of Palm Beach County, Riverside Drive is a two lane collector roadway meandering from Old Dixie Highway (Alt. A1A) to the Martin County line. The Drainage Study investigated that portion of Riverside Drive from west of Pine Hill Trail to the Martin County Line. The study identified the problem areas, suggested recommendations for improvements, and presented strategies with the regulatory agencies with jurisdiction over the project area to facilitate planned improvements.

Three alternatives were investigated on the basis of the following criteria:

- Relationship with Existing and Planned Development
- Right of way Requirements
- Cost Considerations
- Permittability (i.e. ease of permitting)
- Compatibility of the proposed improvements with long range planning in the project area by public agencies
- Safety for the pedestrian, motoring, and cycling public as well as the public at large
- Potential environmental concerns

The Study was able to identify the most desirable alternative to implement. As a result of the study, the project was advanced to implementation and final design.