

PROJECT NAME: **GARDEN ACRES INDUSTRIAL AREA DESIGN BUILD**

PROJECT LOCATION: City of Oakland Park, Florida

PROJECT DESCRIPTION:

This heavy industrial area of the City of Oakland Park required a new sanitary sewer system and water main improvements. Since this is a low area, large storm water infrastructure was placed in the right-of-way. A traditional gravity sanitary sewer system was not a design alternative, as a result T&A had to be creative and design a low pressure grinder pump station system with a common low pressure force main. Special accommodations were taken to reduce future surface conflicts for existing businesses, as well as provide convenient locations for future sanitary sewer connections.

THOMPSON & ASSOCIATES ROLE:

T&A served as the engineer-of-record as well as the CEI for this design/build project. Public information meetings were held and business owners' concerns accepted and reflected in the design. The project required special permitting efforts since the water and sewer approvals must come from the City of Oakland and the City of Fort Lauderdale, since they were the master provider. The site civil development included the upsizing and abandonment of existing potable water main for service and fire suppression, the replacement of the existing septic system with a shallow sanitary sewer collection system equipped with grinder pumps and service connections for individual properties in the project area, horizontal directional drilling to connect to the existing City sanitary sewer system and pavement marking and signage plan. Scope included the preliminary design, design, permitting and construction observation services; pipe installations, water main pressure tests and lift station startup.

PROJECT START DATE: 2013 **BUDGET:** \$748,000

PROJECT END DATE: 2015 **ACTUAL:** \$657,261

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