



Craig A. Smith & Associates, Inc.

Engineers • Surveyors • Subsurface Utility Engineering • 3D Subsurface Imaging • Utility Coordination

Project Profile

Port Everglades Security Enhancements, Broward County, Fort Lauderdale, Florida

Client: Hypower, Inc., Eric Paul-Hus – Project Manager

Project Description: Security enhancements at Port Everglades included the installation of three new barrier entrance security gates, multiple internal security gates, stationary cargo screening systems, facial recognition cameras, daylight and infrared security camera systems and remote intrusion warning systems. All systems connect to a centralized control and monitoring location via 16.3 miles (85,000 feet) of fiber optic cable in underground duct systems.

Scope: CAS was tasked with performing complete Subsurface Utility Engineering services in advance of installation, identify potential conflicts and work closely with directional boring crews to address utility conflicts and prevent damage to existing port systems including numerous fuel, oil and natural gas piping systems.

Fees: \$304,000

Approach: CAS assigned existing crews and added specialized staff to perform system designating utilizing EM and GPR instruments to identify and locate all utility systems within the port. Systems included liquid petroleum and natural gas pipelines, water, sewer and irrigation systems, power transmission and distribution, street lighting and existing communications systems. CAS performed over 1700 hours of GPR and EM locating along with over 4,000 vacuum excavation soft digs.

Key Personnel:

James F. Driscoll – Field Management & GPR Scanning

Stephen C. Smith, P.E. – Quality Assurance

Raul Carbonell – Vacuum Excavation Soft Digs

