



Craig A. Smith & Associates, Inc.

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

Project Profile

Brickell CitiCentre, Miami-Dade County, Miami, Florida – Redevelopment

Client: Balfour Beatty Construction – Clint Glass, Senior VP

Project Description: Proposed redevelopment project in downtown Miami. Project encompasses nine (9) acres, bordered by SW 1st Ave to the west, SE 1st Ave to the east, SW/SE 6th St to the north and SW/SE 8th St to the south. Project includes comprehensive rebuild of Miami Avenue from SW 8th St to SW 7th St., substantial relocation of existing subsurface facilities, two-level, six acre subterranean parking garage and 3 40-story towers.

Scope: CAS was tasked with performing complete 3D Radar Tomography Enhanced Subsurface Utility Engineering services, 3D CADD Modeling of existing utility systems, subsurface soil strata identification and model integration services for comprehensive BIM process in advance of project commencement to identify and address utility conflicts and prevent project delays.

Fees: \$125,000

Approach: CAS assigned existing crews and specialized staff to perform system designating utilizing EM and GPR instruments to identify and locate all utility systems within the project area. Performed extensive 3D Radar Tomography Scanning to provide continuous precision x,y,z information on critical subsurface systems. CAS performed over 390k SF of 3D RT, GPR and EM locating along with over 25 vacuum excavation soft digs..

Key Personnel:

James F. Driscoll – Field Management & 3D RT Scanning
Stephen C. Smith, P.E. – Quality Assurance
Raul Carbonell – Vacuum Excavation Soft Digs
Robert D. Keener, PSM – Project Survey
Kerry Loggins, CD – CADD & 3D Modeling

