



**AVIROM & ASSOCIATES, INC.**  
SURVEYING & MAPPING

August 6, 2012

City Clerk  
City of Key West  
3126 Flagler Avenue  
Key West, Florida 33040

*Re: Response to Request for Qualifications No. 12-004  
Professional Surveying Services*

Dear City Clerk:

Avirom & Associates, Inc. is pleased to submit our response to the City of Key West's Request for Qualifications.

Avirom has the experience, expertise, manpower, flexibility and availability required to meet the goals established for the successful completion of projects assigned under this contract. Our firm has extensive experience working with municipalities and assisting in the enhancement of their communities. We are confident that we can meet the expectations of the City of Key West's contract for surveying services.

Avirom is committed to working with the City, offering our reputable level of client service and experience in the land surveying profession.

We thank you for the opportunity to submit our qualifications. Your consideration is greatly appreciated.

Respectfully,

Michael D. Avirom, P.L.S.  
President

/jc



## *Company Profile*

Michael D. Avirom, P.L.S. founded Avirom & Associates, Inc. in 1981. Since that time, we have established offices in Palm Beach, Monroe and Martin Counties. We are a company dedicated solely to the land surveying profession, with the philosophy to provide the highest quality product in a timely and professional manner. Our firm continues to achieve this through customer service, extensive knowledge of the land surveying profession and our commitment to excellence.

Our firm has a staff of 25 employees with an average length of service of 17 years. The dedication of our employees is a testament to Avirom & Associates' integrity and values as both an employer and a professional land surveying firm. We are one of the few firms in the State of Florida that has six Registered Land Surveyors. Our 31 year history represents our firm's strength and stability in the South Florida area.

We have worked with many engineering and architectural firms throughout South Florida, and we strive to provide them with a seamless product for their design. Our surveys have been the base maps for numerous designs, not only for engineering and architecture, but also landscape architectural and urban design firms. Our firm has considerable experience in creating legal descriptions, having submitted in excess of 200 submerged land leases throughout the State of Florida for the Florida Department of Environmental Protection and the US Corps of Engineers. We are knowledgeable and experienced with the formats and requirements of the agencies for submittal.

Avirom & Associates, Inc. has produced numerous surveys for private owners, commercial enterprises and municipalities. Our relationship with these municipalities extends beyond several years and continues to the present:

City of Delray Beach  
Florida Power & Light Company  
Town of Jupiter Inlet Colony  
City of West Palm Beach  
City of Boca Raton  
City of Lauderhill  
City of Coral Springs  
City of Tamarac  
City of Pompano  
Town of North Bay Village

Town of Highland Beach  
Village of Palm Springs  
Town of Gulf Stream  
City of Boynton Beach  
City of Deerfield Beach  
City of Hollywood  
City of North Lauderdale  
City of Pahokee  
City of Coconut Creek  
Town of Lauderdale-By-The-Sea





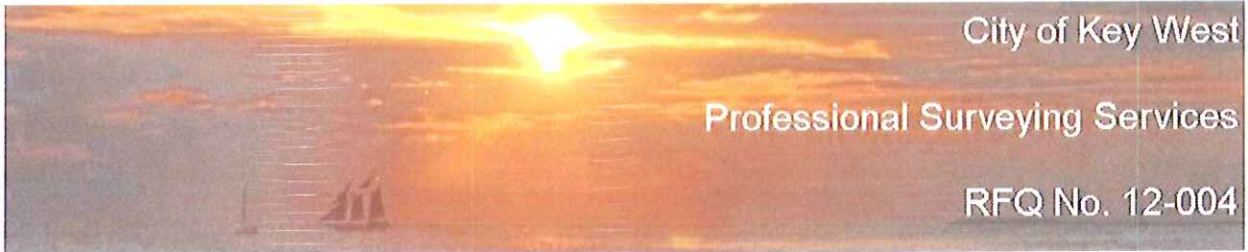


Avirom & Associates, Inc. has extensive knowledge and experience in all aspects of land surveying including, but not limited to, the following:

- ✂ Boundary/property surveys and analysis
- ✂ Topography surveys
- ✂ Easement surveys
- ✂ Roadway surveys
- ✂ Right-of-way surveys
- ✂ Preparation of easement or right-of-way exhibits
- ✂ Property line staking
- ✂ Review of right-of-way documents for developments
- ✂ Review of easement documents for developments
- ✂ Legal descriptions
- ✂ Construction staking
- ✂ Field design surveys
- ✂ GPS monument placement
- ✂ Flood plain/FEMA surveying/mapping
- ✂ GIS/AutoCAD map and database creation
- ✂ Aboveground utilities identification and mapping
- ✂ Underground utilities identification and mapping (with consultant)
- ✂ Cut and fill calculations
- ✂ As-built (record) surveys
- ✂ Aerial photography (with consultant)
- ✂ Title searches
- ✂ Coastal mapping
- ✂ Expert witness testimony
- ✂ Hydrographic surveys
- ✂ Mean high water line surveys
- ✂ Submerged land lease surveys
- ✂ Wetland location surveys
- ✂ Plat review for compliance with Chapter 177

When the need arises for consultants to participate in a project (i.e. aerial photography and underground utility identification), Avirom & Associates will utilize the services of Ground Hound Detection Services, Inc. and Southern Resource Mapping, Inc. We have enjoyed a long standing relationship with these two firms for many years. Their services will be seamless to the City of Key West.





Avirom & Associates, Inc. utilizes the latest AutoCAD software. Avirom is knowledgeable and up-to-date with the latest advances in land surveying technology. Our crew communicates using Nextel Direct Connect system, allowing us instant access to staff in the field. Additionally, we have been utilizing GPS technology in our profession since 1990.

We strive to deliver our projects on or before the specified timeframe, and our repeat clientele and referrals are an endorsement to the quality of service that is the standard of our firm.





# CITY OF KEY WEST

PROFESSIONAL SURVEYING SERVICES  
RFQ NO. 12-004

## AVIROM & ASSOCIATES, INC. ORGANIZATIONAL CHART

### CITY OF KEY WEST

MICHAEL D. AVIROM  
Professional Land Surveyor  
Registration No. 3268  
31 years / 39 years

MARISHA KREITMAN  
Professional Surveyor & Mapper  
Registration No. 6555  
18 years / 18 years

KEITH M. CHEE-A-TOW  
Professional Land Surveyor  
Registration No. 5328  
24 years / 39 years

BILL EVANS, CST II  
CADD Technician  
5 years / 20 years

STEVE MCKEAN  
CADD Technician  
13 years / 13 years

MICHAEL J. AVIROM  
Party Chief  
15 years / 15 years

RUSSEL DAME  
Party Chief  
22 years / 29 years

JIMMY FRIDDLE  
Party Chief  
15 years / 40 years

MIKE HOWALD  
Party Chief  
7 years / 28 years

JOSEPH RICHE  
Southern Resource Mapping, Inc.  
President  
(Sub-Consultant)  
SRMCA

JEFFREY C. POPPE  
Ground Road Detection Services  
President  
(Sub-Consultant)  
GRD



NOTE: Years with firm / Years of surveying experience

08/06/2012

# Michael D. Avirom, P.L.S.

## President



**Experience Highlights**  
*Over 39 years of  
land surveying experience*

**Education**  
*Miami-Dade Junior College  
Associate in Arts*

*Florida Atlantic University  
Bachelor of Business  
Administration*

*Palm Beach Junior College  
Associate in Science  
Land Surveying*

**Professional Registrations**  
*Professional Land Surveyor  
Florida*

**Professional Affiliations**  
*Florida Society of Professional  
Land Surveyors*

Michael Avirom established Avirom & Associates, Inc. in 1981. Mr. Avirom's surveying expertise in boundary, aerial mapping, topography, jurisdictional wetlands, bathymetric, condominium surveys, expert witness testimony and construction layout distinguish him as a respected professional in the industry.

### **Project Experience**

**Village of Palm Springs** Route-of-line survey, base mapping of existing utilities above and below ground on over 100 linear feet of roadways for engineer's design, legal descriptions for easement acquisitions

**Highland Beach** Mapped town limits for the engineering design and construction of underground utilities

**City of West Palm Beach** Flagler Drive from SE 6<sup>th</sup> Street to SE 10<sup>th</sup> Street. Route-of-line survey, base mapping of existing utilities above and below ground for engineer's design. Provided soundings across Intracoastal and prepared submerged land easements for proposed forcemain

**City of Boca Raton, Downtown Promenade** Base mapping of all existing above ground improvements, utilities, right-of-ways, and easements for engineer's design

**Glades Road Water Treatment Plant, City of Boca Raton** Provided support for ground and topographic aerial mapping. Located existing above ground evidence of utility for engineering design

**Florida Power & Light Company** Statewide submerged land easements, obtained platted and sectional monumentation utilizing GPS to prepare approximately 200 survey sketches and legal descriptions for submerged land easements along the entire East Coast of Florida from Miami to Fernandina Beach and the west coast from Tampa south to Naples. Coordinated with divers for the location of underwater cables

**Boca Raton Hotel & Beach Club** Boundary, topographic and mean high water line surveys, prepared easements and submerged land acquisitions. Provided location of above and below ground utilities for engineering design

**Florida Power & Light Company, Levee-Midway** 500 kV transmission line survey - 140 mile corridor, survey for right-of-way acquisition, GPS control, legal descriptions, profiles, cross sections and construction layout, St. Lucie, Martin, Palm Beach, Broward, and Dade Counties, Florida

**Oceanfront Properties in Boca Raton, Highland Beach, Delray Beach and Hillsboro Beach** Boundary, topographic, mean high water line, erosion control line, coastal construction control line surveys and DEP permit surveys





# Keith Chee-A-Tow, P.L.S.

## Project Surveyor



**Experience Highlights**  
Over 39 years of  
land surveying experience

More than 18 years survey  
experience in the Bahamas

**Education**  
University of South Florida  
BA, Marketing  
1974

**Professional Registrations**  
Professional Land Surveyor  
Florida

**Professional Affiliations**  
Florida Society of Professional  
Land Surveyors  
National Society of Geographic  
and Land Information Systems

Keith Chee-A-Tow has over 39 years of land surveying experience. Mr. Chee-A-Tow is experienced in boundary, topographic, hydrographic and GPS surveys, jurisdictional wetlands, aerial mapping and expert witness testimony.

### **Project Experience Specific for Monroe County**

**Ocean Key House, City of Key West** Prepared submerged land lease survey in accord with the Florida Department of Environmental Protection SLER 0950 Survey Requirements procedure for the resort's "Variable Floating Docks Configuration" comprised of 20,245 square feet of sovereign lands

**Little Palm Island, Hawk Channel** Established boundaries for beach re-nourishment and relinquishing of uplands based on Florida Department of Environmental Protection Disclaimer on lands lost to avulsion. Performed an ALTA/ACSM Land Title Survey with mean high water line survey on the entire island.

**Rockland Key, Monroe County** Boundary and topographic survey including establishment of a monumented witness line for mean high water meander line including jurisdictional wetlands mapping to facilitate mitigation on a 34 acre site. The legal description was a complex combination of various parent tracts less-outs and add-ins, with the Project Surveyor providing a review of the title commitment's description and adding encumbrances to the survey

**Summerland Key, Cudjoe Key, Upper and Lower Sugarloaf Key, Ramrod Key, Little Torch Key, Big Pine Key and No Name Key** (all right-of-ways) Aerial mapping and topographic route survey for Florida Keys Aqueduct Authority. Design of sewer and water systems. Easements for excess property submitted to FDOT District 6.

**Wisteria Island, Key West** Established witness monuments by use of GPS for mean high water survey; mapped areas of mangrove wetlands; upland topographic survey (1' contours) on a 23 acre island and hydrographic survey of 125 acre submerged land lease (2' contours)

**Bahama Village, Key West, Florida** Topographic route-of-line survey throughout Bahama Village from Duval Street southerly to Front Street, including the Truman Annex. Elevations were based on NGVD 1929, with benchmarks established at every intersection and mid-point of blocks. Sufficient boundary evidence was recovered to spatially place the right-of-way and platted lot lines within the digital AutoCAD file

**Monroe County Airport Marathon (MTH)** Establish horizontal coordinates, relative to the North American Datum of 1983 (NAD 83) and vertical elevations, relative to the North American Vertical Datum of 1988 (NAVD 88) at the thresholds of Runway 7 and Runway 25 and also the lens face of the two sets of the Precision Approach Path Indicator (PAPI) lights at both ends of the runways

**Monroe County Watson Boulevard Bridge** Boundary and Topographic route-of-line survey for the restoration of the existing bridge along Watson Boulevard, a County road with drawings submitted and reviewed by FDOT District 6.

**Monroe County Animal Shelter** Prepared sketch and descriptions for acquisition of excess lands for submittal to FDOT District 6.





# Marisha M. Kreitman, P.S.M.

## Project Surveyor



**Experience Highlights**  
Over 18 years of  
land surveying experience

**Education**  
Florida Atlantic University  
BA, GIS  
2005

**Professional Registrations**  
Professional Surveyor & Mapper  
Florida

**Professional Affiliations**  
Florida Society of Professional  
Land Surveyors

Marisha Kreitman began working with Avirom & Associates, Inc. as a draftsman in 1994. She advanced to the position of Survey Technician while attending classes at Florida Atlantic University. In 2005, she graduated Magna Cum Laude with a degree in Geography: Geographic Information System. She became a Professional Surveyor and Mapper in July 2006. Ms. Kreitman has acted in the role of Project Surveyor. Her experience includes boundary and topographic surveys, route of line/topographic surveys, platting, ALTA/ACSM Land Title Surveys, condominium declaration exhibits and land descriptions with sketches for various documents such as submerged land easements, utility easements and land swap parcels. Ms. Kreitman has worked with clients to prepare special exhibits for submittal to government agencies.

### **Project Experience**

**Boca Beach Club** Boundary, topographic and mean high water survey, sketch and descriptions for easements and easement abandonments, special exhibits, specific purpose surveys, utility maps, bathymetric survey, condominium declaration exhibits, route of line/topographic surveys, submerged land lease field survey and replat 19 acre site

**Florida Atlantic University Research Park, Boca Raton** ALTA/ACSM Land Title surveys, exhibits, sketch and descriptions 45 acre site

**Wellington Green** ALTA/ACSM Land Title survey for 26 acre site

**Royal Palm Boulevard, Margate** Topographic survey for utility improvements along Royal Palm Boulevard

**City of North Bay Village** Route of line/topographic survey for a proposed force main along 79<sup>th</sup> Street Causeway and various residential streets east and west of the Intracoastal Waterway, submerged land easements, sketch and description for easements

**Oceanview/Lakeview, Villa Oceana, Boca Raton** Boundary, topographic and mean high water line survey, ALTA/ACSM Land Title Survey, condominium declaration exhibits, submerged land lease field survey

**Oceanfront Properties in Boca Raton, Highland Beach, Delray Beach and Hillsboro Beach** Boundary, topographic, mean high water line, erosion control line, coastal construction control line surveys and DEP permit surveys

**Hillsboro/El Rio Park, Boca Raton** GPS horizontal control, boundary, topographic and mean high water line survey including tidal survey 32 acre site

**Parrot Jungle and Gardens, Miami** GPS horizontal control, boundary and topographic survey of lease parcel

**Mizner Trail Golf Course** Boundary survey to Florida Minimum Technical Standards for 138 acre golf course, established GPS controls and coordinated aerial mapping of the project



# Stephen McKean

## Survey CAD Technician



**Experience Highlights**  
13 years of  
land surveying experience

Stephen McKean has 13 years of survey experience including party chief, survey technician and AutoCAD draftsman. He is responsible for design surveys, topographic surveys, boundary surveys, control surveys and condominium documents.

### ***Project Experience***

**Coral Springs Water Treatment Plant** Topographic survey used as base map for all design and plant upgrades. Construction layout and as-built services for contractors

**Marco Island Water Treatment Plant** As-built locations of all new piping installed for approval by the engineer

**Saint Andrews School** Boundary, topographic and tree survey for 80 acre site; reviewed title work and plotted applicable easements and exceptions; prepared legal descriptions for annexation of property and provided platting services

**Alexan Plantation** Construction layout and as-built for the entire underground infrastructure of the site, together with all roadways, parking, canal modifications, lakes and retention areas

**Forever 21 Expansion / Town Center at Boca Raton** Construction layout for new 7,200 square foot building expansion together with associated sanitary and drainage modifications needed to accommodate the new addition

**Broward County Water Treatment Plant 1A** As-built surveys along with miscellaneous surveying services for new facility

**St. Lucie Nuclear Power Plant** Aerial topographic survey of plant site, including rectified color raster image. Topographic surveys of directional bores, haul road, perimeter defensive areas and proposed building site, including elevation certificates

**U.S. Coast Guard Station Key West** Detailed topographic survey for engineering design and construction of new support facilities

**City of Lauderhill** Boundary, topographic and route-of-line surveys for numerous projects throughout the City along with GPS surveys and sketch and descriptions

**Village of Palm Springs** Boundary surveys of numerous Village properties. Legal descriptions for utility easements, acquisitions and voting districts

**North Broward Preparatory School** Overall boundary survey of the 70 acre site in addition to detailed topographic and tree survey; descriptions for annexation into the City of Coconut Creek and survey support for construction layout of buildings and infrastructure





# William R. Evans

## Senior Survey CAD Technician

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**Experience Highlights**  
20 years of  
land surveying experience

**Education**  
Pueblo Community College  
AAS, Civil Technology  
1992

Kaplan University  
BS, Information Technology  
2010

**Professional Certifications**  
A+, CST II

**Professional Affiliations**  
Microsoft Partner  
Microsoft Corporation

Mr. Evans has 20 years of survey experience including party chief, survey technician and AutoCAD draftsman. He is responsible for design surveys, topographic surveys, boundary surveys, control surveys, and condominium documents.

### **Project Experience**

**Florida Department of Transportation** Turnpike widening from Boca Raton to Delray Beach, Palm Beach County, Florida

**Florida Department of Transportation** Turnpike Extension widening from I-75 to the 836, Broward and Dade Counties, Florida

**Miami International Airport**, Concourses D, H & J Field and office work, Miami, Florida

**Village of Palm Springs, Palm Beach County** Route-of-line survey; base mapping of existing utilities above and below ground for engineer's design; legal descriptions for easement acquisitions

**City of Lauderhill, Veterans Park / Lauderhill Fire Station** Boundary and topographic survey of this 9.7 acre park and fire station; base mapping for future improvements of the addition to the fire station, parking and infrastructure

**City of Lauderhill, Meditation Park** Boundary, topographic and tree survey of this 2 acre park for inventory of City assets; base mapping for future improvements

**Military Trail Widening, Palm Beach County** Glades Road to Yamato Road, Boca Raton, Florida

**Pine Crest School, Fort Lauderdale** Boundary, topographic and tree survey for design purposes, including topographic map for engineer and architect's design; planning of renovations and additions of the school; survey support for the construction of buildings, water, sewer, drainage and parking improvements

**Florida Atlantic University, Boca Raton** Topographic surveys for design of future improvements (360 acres)

**City of Coconut Creek, Wiles Road and Lyons Road** Route-of-line survey, base mapping of existing utilities above and below ground for engineer's design (5,600 linear feet)

**Coral Springs Public Safety Complex, Broward County** Boundary and topographic survey for architect and engineer's design of police headquarters and fire substation renovation

**Broward Community College, Central Campus, Coconut Creek** Survey support for construction phase





# Russel Dame Field Crew Chief



**Experience Highlights**  
29 years of  
land surveying experience

Russel Dame has 29 years of survey experience as a field crew chief. He is responsible for design surveys, topographic surveys, boundary surveys, control surveys and condominium documents.

## **Project Experience**

**Boca Downtown Promenade** Base topographic and tree survey for engineering design along with land surveying services to the contractor for all phases of construction of this City of Boca Raton Downtown Beautification project

**Cape Canaveral Plant / Florida Power & Light Company** Boundary and topographic survey for the 81 acre site. Established the ordinary high water line and showed delineated wetlands, mangroves and trees. Horizontal and vertical control on 25 monitor wells across the site

**Florida Atlantic University** Topographic surveys for the parking garage, Recreation and Wellness Center, Gladys Davis Pavilion, Alzheimer's Assisted Living, Henderson School, Forkas Alumni Center, Heritage Park, Slattery Center and batting cages along with boundary survey for the Palm Beach State College lease parcel

**C-2 Canal Widening (Basin A)** Utilizing GPS for the horizontal control layout of 9,000 linear feet beginning at Bent Creek Road and continuing south

**Riviera Plant / Florida Power & Light Company** Boundary and topographic survey of 33 acre site including establishing the mean high water line and showing delineated wetlands, mangroves and trees

**Atlantic Community High School** Topographic surveys, construction layouts and grading, and as-built surveys

**Mizner Trail Golf Club** Boundary survey which included photogrammetric mapping methods to graphically depict the interior improvements of the golf course tracts

**Glades Road Water Treatment Plant** Ground and aerial topographic mapping of 46 acre site. Additional design surveys for modification and/or expansion of the existing facility

**Palm Beach International Airport Air Traffic Control Tower** Horizontal and vertical control and all necessary land surveying services for construction of a 240 foot air traffic control tower and a 9,000 square feet ATBM base building on a 4.4 acre site

**200 East Palmetto** Boundary and topographic survey for design of the project along with platting of the property. Horizontal and vertical control for construction of the new multi-story residential/commercial building which included over 900 augercast piling



# Jimmy Friddle

## Field Crew Chief



**Experience Highlights**  
40 years of  
land surveying experience

**Education**  
Miami Dade College  
Surveying Classes

Jimmy Friddle has 40 years of survey experience as a field crew chief. He is responsible for design surveys, topographic surveys, boundary surveys, control surveys and condominium documents.

### **Project Experience**

**Lynn University** Overall boundary, topographic and tree survey of the site used as the base map for engineer's and architect's design, planning and renovations at the campus. On-site survey support for construction related projects

**Dick's Sporting Goods / The Fountains** Construction survey services for new store in a 60 acre shopping center. ALTA survey for the purchase of property, along with topographic and tree survey and the base map for engineer's and architect's design and renovations

**Bahama Village, Key West** Topographic route-of-line survey throughout Bahama Village from Duval Street southerly to Front Street, including the Truman Annex. Elevations were based on NGVD 1929, with benchmarks established at every intersection and mid-point of blocks. Sufficient boundary evidence was recovered to spatially place the right-of-way and platted lot lines within the digital AutoCAD file

**Cat Island, Flamingo Hills Resort & Marina, Bahamas (1,500 acres)** Topographic and boundary re-tracement survey with 1 foot contour to support the design of large slip marina, boutique hotel and marina village

**Boca Raton Museum of Art** Surveying services for the building and infrastructure needed for the planning and design of the museum. Services included as-built surveys and final survey

**Rockland Key Commerce Center** Boundary and topographic survey; established a monumented witness line for mean high water line including jurisdictional wetlands mapping to facilitate mitigation on a 34 acre site

**North Broward Preparatory School** Overall boundary survey along with detailed topographic and tree survey. Survey support for construction layout of buildings and infrastructure

**Burnside Cove, Grand Bahama Island, Bahamas** Boundary survey of 1,500 acres including the location of creeks and the exclusion of a cemetery and North Riding Point Club. The survey was prepared in accordance with the regulations of the Bahama's Land Surveyors Act of 1975 and recorded in Bahamas Department of Lands and Surveys repository

**Office Depot World Headquarters** Boundary, topographic, tree and ALTA survey (30 acres) for purchase and for architect's and engineer's design use





# Robert Howald

## Field Crew Chief



**Experience Highlights**  
28 years of  
land surveying experience

Robert Howald has 28 years of survey experience as a field crew chief. He is responsible for design surveys, topographic surveys, boundary surveys, control surveys and condominium documents.

### **Project Experience**

**St. Thomas Aquinas High School** Boundary, topographic and tree survey used for engineering design of new facilities

**Atlantic Business Center** Boundary and topographic survey; surveying services for engineering design and development of 130 acres

**Saint Andrews School** Boundary, topographic and tree survey for 80 acre site. Located above ground evidence of utilities and provided survey support for construction layout of entire site

**Marco Island South Water Treatment Plant** Layout for the relocation of various types of yard piping to accommodate the construction of a new three million gallon water storage tank. Surveying services included the as-built locations of all new piping installed for approval by the engineer

**Pine Crest School / Fort Lauderdale Campus** Boundary, topographic and tree survey (7 acre portion of 50 acre campus) for design purposes. Survey support for construction of buildings, water, sewer, drainage and parking improvements

**Coral Springs Water Treatment Plant** Established plant grid system and benchmarks; topographic survey for base map for all design and plant upgrades; construction layout and as-built services for contractors

**West County Energy Site / Florida Power & Light Company** Boundary survey for original 3 acre site (expanded to 220 acre site). GPS control survey along with construction layout of the energy center

**Boca Raton Hotel, Golf Course & Beach Club** Boundary, topographic and tree survey of the hotel and golf course; mean high water line survey and tidal study; horizontal and vertical control from City benchmarks

**U.S. Coast Guard Station Key West** Detailed topographic survey for engineering design and construction of new support facilities

**Tamarac Water Treatment Plant** Topographic survey for base mapping of the City water treatment plant for engineering design use of future upgrades and renovation to plant facility. Surveying services for construction of the new clearwell and electric building along with associated yard piping modifications





# Michael J. Avirom

## Field Crew Chief



**Experience Highlights**  
15 years of  
land surveying experience

**Education**  
Associate in Arts  
Palm Beach State College

Bachelor of Arts  
Geographic Information System

Michael J. Avirom has 15 years of survey experience. He is responsible for design surveys, topographic surveys, boundary surveys, control surveys and condominium documents.

### **Project Experience**

**Wisteria Island** Established witness monuments for mean high water line survey utilizing wide area network GPS; mapped areas of mangrove wetlands for mitigation; upland topographic survey with 1' contours on 23 acre island and hydrographic survey of 125 acre submerged land lease with 2' contours

**Mizner Trail Golf Club** Boundary survey which included photogrammetric mapping methods to graphically depict the interior improvements of the golf course tracts

**Chub Key, Club Site and Airstrip** Boundary survey of 3,000 acres in accordance with the Bahama Land Surveyor's Act of 1975 for recording in the Bahamas Department of Lands and Surveys. Topographic survey of 5,000 foot runway for re-surfacing; hydrographic survey with 1 foot contour of the existing marina and approach channel to support the expansion of the marina, which now accommodates 200 foot yachts and includes over 200 slips

**Riviera Plant / Florida Power & Light Company** Boundary and topographic survey of 33 acre site including establishing the mean high water line and showing delineated wetlands, mangroves and trees

**Boca Downtown Promenade** Base topographic and tree survey for engineering design along with land surveying services to the contractor for all phases of construction of this City of Boca Raton Downtown Beautification project

**Maiden Island** Hydrographic survey of 40 acres with 1 foot contours, including near shore profiles of this 21 acre private island located 1 mile off the northern coast of Antigua, one of the Leeward Islands, part of the Lesser Antilles

**John Mullin Park** Topographic and tree survey of a portion of this 28 acre park for inventory of City assets and base mapping for future improvements. Surveying services for construction of the new pool and recreation building

**Summerland Key, Cudjoe Key, Upper and Lower Sugarloaf Key, Ramrod Key, Little Torch Key, Big Pine Key and No Name Key** Aerial mapping and topographic route survey for Florida Keys Aqueduct Authority; engineering design of sewer and water systems; recovered and established right-of-way and platted lot lines

**Alexan Plantation** Construction layout and as-builts for the entire underground infrastructure of the site, together with all roadways, parking, canal modifications, lakes and retention areas





## *Experience*

Our firm's land surveying experience in Monroe County began in 1981 when the firm was established. This long term presence affords Avirom the knowledge and expertise necessary to fulfill this contract. We established our Key West office in 2009 to better facilitate our clients' needs in the Monroe County area.

We provided surveying services for the U.S. Coast Guard Station in Key West. This project involved the preparation of a detailed topographic survey for engineering design and construction of new facilities. Avirom established on-site benchmarks and utilized GPS technology to establish horizontal control positions. Our firm acquired precise horizontal and vertical locations of all above ground facilities including buildings, pavement, walks, utilities and docking facilities.

Avirom worked with Florida Keys Aqueduct Authority on a project in Lower Sugarloaf, Upper Sugarloaf, Cudjoe, Summerland, Ramrod, Little Torch, Big Pine and No Name Keys. The project involved the mapping of more than 16 miles of the Florida Keys for the engineering design of new sewer and water systems. Our services included aerial and conventional topographic mapping; establishing NGVD benchmarks; GPS controls; utility locations and inverts. We researched and recovered right-of-way and property control monuments. Additionally, we calculated plats and right-of-ways for development of the base map.

We provided services on the Richard A. Heyman Wastewater Treatment Plant project for the City of Key West. The scope of work included design and permitting to produce secondary quality effluent at a rate of 10 million gallons per day (MGD) of this 3 acre site. Avirom's responsibilities included recovering/setting monumentation; establishing NGVD 1929 benchmarks; topographic survey for engineering design; location of all above ground improvements and obtaining recorded plats and right-of-way maps.

Avirom & Associates, Inc., performed surveying services for the Key Largo Wastewater Treatment District on Key Largo Basins E and F. The project consisted of approximately 74,300 linear feet of right-of-way corridors where new sewer lines were to be designed and built. Avirom established baseline of survey and NGVD 1929 benchmarks; compiled platted subdivisions into database; located all above ground improvements and trees within limits of right-of-way and obtained cross section elevations. Avirom prepared a certified survey and computer files for engineering design.







Our firm worked on the Sigsbee Force Main for the City of Key West. The project involved proposed re-routing of an existing sanitary sewer gravity main which encompassed a five block segment. Avirom prepared a topographic survey for areas of proposed improvements, with locations of all existing infrastructure with the depicted survey limits, including above and below ground utilities.

Avirom & Associates, Inc. provided surveying services to Monroe County on projects at Marathon Airport (MTH), Watson Boulevard Bridge and the animal shelter in Key Largo.

The work at the airport consisted of establishing horizontal coordinates, relative to the North American Datum of 1983 (NAD 83) and vertical elevations, relative to the North American Vertical Datum of 1988 (NAVD 88) at the thresholds of Runway 7 and Runway 25 and the lens face of the two sets of the Precision Approach Path Indicator (PAPI) lights at both ends of the runways for location requirements according to the Federal Aviation Authority (FAA) specifications.

The work at Watson Boulevard Bridge consisted of performing a topographic route-of-line survey to support the restoration of the existing bridge along Watson Boulevard, a County road, with drawings submitted and reviewed by District 6 of the Florida Department of Transportation.

The work at the animal shelter was to create sketch and descriptions for the acquisition of excess lands from the Florida Department of Transportation (District 6) with submittals to the Department.





# U.S. Coast Guard Station Key West

**Owner:**  
United States  
Coast Guard

**Client:**  
The Haskell Company  
111 Riverside Avenue  
Jacksonville, FL 32202  
(904) 791-4757  
Jonathan W. Peters

**Location:**  
Key West  
Monroe County, Florida

The United States Coast Guard Sector at Trumbo Point in Key West is a major base in the US Coast Guard 7th District.

The site is located adjacent to an active US Navy Installation (US Navy Annex, Key West, Florida). Access to the site is controlled by the Navy with all rules and regulations for working on the site enforced by the Navy.



Avirom & Associates, Inc. prepared a detailed topographic survey for engineering design and construction of new support facilities to accommodate the home porting of eight new Fast Response Cutters (FRC) due to arrive in June 2012. Services included the establishment of on-site benchmarks referenced to the National Geodetic Vertical Datum of 1929 (NGVD 29) by three-wire closed loop differential leveling referenced to published National Geodetic Survey benchmarks. Utilizing GPS technology, we established horizontal control positions referenced to the North American Datum of 1983, adjustment of 1990 (NAD 83-90). After the establishment of the control stations, we employed total station with data collector to obtain precise horizontal and vertical locations of all above ground facilities including buildings, pavement, walks, utilities and docking facilities with the location of the underground utilities by Ground Penetrating Radar (GPR).



Our crews were vetted following the procedure for the "Rapid Gate" security clearance which allows them unescorted access throughout the site.





# Bahama Village, Key West

**Owner:**  
City of Key West

**Client:**  
Kimley-Horn and Assocs.  
1221 Brickell Avenue  
Suite 400  
Miami, FL 33131  
(305) 673-2025  
Juan E. Jimenez

**Location:**  
Key West  
Monroe County, Florida

Bahama Village is a neighborhood in the City of Key West, Monroe County. It is located southwest of downtown, in Old Town.



Bahama Village covers over a 16 block area that lies southwest of Whitehead Street and northeast of Truman Annex, bordered by Whitehead, Southard, Fort and Louisa Streets. It is named for its many original residents who were of Bahamian ancestry.

The entrance to the village on Petronia Street has an open air flea market, shops and restaurants, and has recently become a small tourist attraction.



Avirom & Associates, Inc. performed topographic route-of-line survey throughout Bahama Village from Duval Street southerly to Front Street, including the Truman Annex to support the rehabilitation and new construction of sidewalks. Elevations were based on NGVD 1929, with benchmarks established at every intersection and mid-point of blocks. Sufficient boundary evidence was recovered to spatially place the right-of-way and platted lot lines within the digital AutoCAD file.



Controversial Key West chickens





# Little Palm Island Resort & Spa

**Owner:**

Noble House Hotel & Resorts

**Client:**

Noble House Hotel & Resorts  
600 6th Street South  
Kirkland, WA 98033  
(425) 636-5640  
Jamie Colee

**Location:**

Little Palm Island  
Monroe County  
Florida

Little Palm Island, formerly known as Little Munson Island, is located in Hawks Channel, a twenty minute boat ride from Little Torch Key at Mile Marker 28.5.

The private island is comprised of approximately 4.2 acres of upland with 15 thatched-roof bungalows featuring 30 suites, accommodating 60 guests. Native "guests" include over 100 species of birds, colorful iguanas and friendly Key Deer.



Avirom & Associates, Inc. established boundaries for beach re-nourishment and relinquishing of uplands based on Florida Department of Environmental Protection Disclaimer on lands lost to avulsion. We prepared an exhibit to revise the limits of lands to be relinquished to the State of Florida and to acquire formerly submerged lands for our client, based on a historical mean high water line. An ALTA/ACSM Land Title Survey with a Mean High Water Line Survey, recorded in the repository of the Florida Department of Environmental Protection (FDEP) was also performed.

After the FDEP approved the boundaries for the re-nourishment and relinquishing of uplands based on the above exhibits, a Consent Order was issued by the FDEP and Avirom & Associates re-mobilized to the island and staked the boundary according to the Consent Order.



Past distinguished guests are President and Mrs. Harry S. Truman; President John F. Kennedy; and Cliff Robertson during the filming on the island of the movie PT-109 in 1962.





# Lower Sugarloaf, Upper Sugarloaf, Cudjoe, Summerland, Ramrod, Little Torch, Big Pine and No Name Keys, Monroe County, Florida

**Owner:**  
Monroe County

**Client:**  
Florida Keys Aqueduct  
Authority  
1100 Kennedy Drive  
Key West, FL 33040  
(305) 295-2142  
Donald Hubbs

**Location:**  
Lower Keys  
Monroe County, Florida



Avirom & Associates, Inc. performed aerial topographic mapping with rectified color raster image underlay, conventional topographic survey, utility locates and established benchmarks for construction. Sufficient boundary monumentation was recovered and located with GPS to spatially define the right-of-ways and platted lot lines within the digital AutoCAD file. The topographic route-of-line survey was comprised of both public right-of-ways and private roadways throughout each island, including the Overseas Highway (U.S. 1). To meet the specified timeframe of the project, a total of four field crews were mobilized and worked simultaneously utilizing both conventional survey methods and GPS methodology, with each crew equipped with mobile office technology.



The data generated by each crew was transmitted to the office staff for processing with daily updates to the end product.

Our crews were equipped with four Trimble R8 GNSS receivers, utilized as rovers, with a fifth used as a base station.





# Ocean Key House

**Client:**

Ocean Key Associates  
600 6th Street South  
Kirkland, WA 98033  
(425) 636-5640  
Jamie Colee

**Location:**

Key West  
Monroe County, Florida

Ocean Key House is a Noble House Hotel & Resort located at 0 Duval Street, which is at the very end of Duval Street where it intersects the waters of Key West Harbor.

Ocean Key House is adjacent to Mallory Square in historic Old Town Key West, offering a spectacular view of the Key West sunset.



Avirom & Associates, Inc. prepared a submerged land lease survey in accord with the Florida Department of Environmental Protection SLER 0950 Survey Requirements procedure for the resort's "Variable Floating Docks Configuration" and Sunset Pier comprised of 20,245 square feet of sovereign lands.





# Watson Boulevard Bridge

**Owner:**  
Monroe County

**Client:**  
CH2M Hill  
225 E. Robinson Street  
Orlando, FL 32801  
(904) 527-5908  
Randy Mock

**Location:**  
Watson Boulevard  
Big Pine Key  
Monroe County, Florida



This bridge is located along Watson Boulevard, a County roadway on Big Pine Key servicing No Name Key, crossing an unnamed canal.

Avirom & Associates, Inc. performed a topographic route-of-line survey to support the design for the restoration of the existing bridge, with drawings submitted and reviewed by District 6 of the Florida Department of Transportation.







### *Quality Assurance/Quality Control and Project Management*

Avirom & Associates, Inc. utilizes our firm's quality assurance, quality control and project management policy from the inception of a project to ensure the project is carried through to completion in the most efficient and timely manner.

Our firm's quality assurance, quality control and project management approach is as follows:

A detailed statement of the scope of work and required services from our client is our first step. Along with the scope, we define the standards for the project to enable us to determine the surveying and mapping criteria. Any unique requirements of the client for the project are taken into consideration together with the drafting standards to be used and the format for the final deliverables. Therefore, a coordination conference between the City and Avirom to discuss layering methods and file format for delivery is highly suggested. It is always our goal that our final survey documentation fits seamlessly into the systems of the City and its subconsultants.

Next we determine our fees based upon the scope of work. Realistic schedules are set at the start of the project and every effort is made to meet agreed upon timeframes. Progress reports are routinely issued on an agreed upon schedule and, depending on the size of the project, phased progress deliverables can be arranged. These reports track timeframe and costs for the project and assist in the planning and scheduling for the remainder of the project. The hours, direct and indirect costs are tracked by our accounting software.

Once the scope is established, timeframes are set and a notice to proceed is received, we take the following steps to ensure the quality of the project:

- ✂ Project Surveyor will coordinate with City staff to develop a project scope of services to meet the needs of the City
- ✂ Develop survey plan for implementation of project scope
- ✂ Research for plats, right-of-ways, controls, prior surveys, benchmarks, etc.
- ✂ Tailgate meeting with survey crew to discuss parameters of the project and safety procedures
- ✂ Determine the technology necessary for the project and establish equipment to be used in the field
- ✂ Mobilize field crew(s)
- ✂ Ongoing review of project standards, criteria and checklist
- ✂ Daily review of field notes for inaccuracies, including checks to ensure that the scope of work and standards are met





- ✎ Ongoing communication between project manager and field crew on a daily basis with special emphasis on the transmittal of data, quality control, safety, cost and schedule adherence
- ✎ Process survey field data and prepare final drawings
- ✎ Field review by project manager for quality assurance and to ensure that the work meets Florida State Statutes and Minimum Technical Standards
- ✎ Deliverables to client

Our project staffing approach is defined by team assignments. When assigning each team, we specifically consider team members individually, their experience and project completion history. We then deploy the most suitable team for that project. By utilizing this team approach method, we are capable of producing high quality products within the allotted time period and always within budget.

Avirom & Associates, Inc. utilizes a chronological numbering system for in-house project organization. When a project is received and authorized, the next number is issued and the project is then recorded in a system based upon legal description. The legal descriptions are further broken down by county. The project, if applicable, is also cross-referenced by common name. When additional work is to be performed on a completed project, a dashed number is added to the original number, (i.e. 6000, 6000-1, 6000-2 etc.) as the project scope is changed or updated.

Avirom & Associates, Inc. conducts a monthly safety meeting with our field survey crews and quarterly safety meetings with office staff. Avirom & Associates, Inc. is a drug free workplace.

Throughout every stage of the project, quality checks are utilized. Field notes and data files are submitted at the end of each work day to the project surveyor. All our crews are equipped with mobile office capabilities. The field notes are then checked immediately, or early the next morning, by a survey technician whose responsibility includes drafting the work in AutoCAD and reporting any issues immediately to the project surveyor so corrective measures can be taken.

Our crews are equipped with Nextel; therefore, we can communicate directly with them if the need arises and any issues can be resolved prior to continuing the work.

After the drafting has been completed by the survey technician and a due diligence review by the project surveyor, the crew returns to the field with a copy of the survey to perform a field check to ensure that there are no omissions or errors with the product.

A final due diligence check is made by the project surveyor prior to signing, sealing and delivery to the client.







Avirom & Associates, Inc.'s quality assurance/quality control and project management policy has proven a solid tool in ensuring a high quality product in a timely fashion.

As a standard of practice, we apply a minimum of one hour supervision to eight hours of field crew work and one hour supervision to eight hours of drafting production. Therefore, 25% of a project surveyor's time would apply to supervision of field and office work based upon a full day's production in both aspects of land surveying. The balance of a supervisor's time typically is spent in client communication, communication with client's consultants, project research, calculations and review of legal documents including land descriptions, easements and other types of encumbrances on the property. This supervision varies with the type of work being performed. Resolving conflicting boundary control evidence would take longer to review and supervise than possibly a topographic survey. Any construction related stake out is immediately reviewed prior to releasing the construction stakes to the contractor for his use. We have found this review and checking of notes and procedures helps to eliminate the liability of construction related activities.





### *Legal Actions*

Avirom & Associates, Inc. has not been a party to any legal actions within the last five years.





## ANTI-KICKBACK AFFIDAVIT

STATE OF FLORIDA )  
 )  
 ) : SS  
COUNTY OF Palm Beach )

I, the undersigned hereby duly sworn, depose and say that no portion of fees received as part of this RFQ will be paid to any employees of the City of Key West as a commission, kickback, reward or gift, directly or indirectly by me or any member of my firm or by an officer of the corporation.

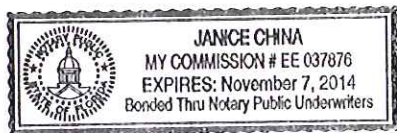
By: Michael D. Arison

Sworn and subscribed before me this

3 day of August, 2012.

Janice Clinice  
NOTARY PUBLIC, State of Florida at Large

My Commission Expires:



**SWORN STATEMENT UNDER SECTION 287.133(3)(a)  
FLORIDA STATUTES, ON PUBLIC ENTITY CRIMES**

**THIS FORM MUST BE SIGNED IN THE PRESENCE OF A NOTARY PUBLIC OR OTHER OFFICE  
AUTHORIZED TO ADMINISTER OATHS.**

1. This sworn statement is submitted with RFQ,RFP,Bid or Contract No. 12-004  
for Professional Surveying Services
2. This sworn statement is submitted by Avirom & Associates, Inc.  
(Name of entity submitting sworn statement)  
whose business address is 402 Appelrouth Lane, Unit 2E,  
Key West, Florida 33045 and (if applicable) its Federal  
Employer Identification Number (FEIN) is 59-2101822 (If the entity has no FEIN,  
include the Social Security Number of the individual signing this sworn statement.)
3. My name is Michael D. Avirom and my relationship to  
(Please print name of individual signing)  
the entity named above is President.
4. I understand that a "public entity crime" as defined in Paragraph 287.133(1)(g), Florida Statutes, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or with the United States, including but not limited to, any Bid or contract for goods or services to be provided to any public entity or an agency or political subdivision of any other state or of the United States and involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, material misrepresentation.
5. I understand that "convicted" or "conviction" as defined in Paragraph 287.133(1)(b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication guilt, in any federal or state trial court of record relating to charges brought by indictment information after July 1, 1989, as a result of a jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.
6. I understand that an "affiliate" as defined in Paragraph 287.133(1)(a), Florida Statutes, means
  1. A predecessor or successor of a person convicted of a public entity crime: or
  2. An entity under the control of any natural person who is active in the management of t entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The ownership by one person of shares constituting controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm's length agreement, shall be a prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceeding 36 months shall be considered an affiliate.
7. I understand that a "person" as defined in Paragraph 287.133(1)(8), Florida Statutes, means any natural person or entity organized under the laws of any state or of the United States with the legal power to enter



into a binding contract and which Bids or applies to Bid on contracts for the provision of goods or services let by a public entity, or which otherwise transacts or applies to transact business with a public entity. The term "person" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in management of an entity.

8. Based on information and belief, the statement, which I have marked below, is true in relation to the entity submitting this sworn statement. (Please indicate which statement applies.)

☒ Neither the entity submitting this sworn statement, nor any officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, nor any affiliate of the entity have been charged with and convicted of a public entity crime subsequent to July 1, 1989.

☐ The entity submitting this sworn statement, or one or more of the officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989, AND (Please indicate which additional statement applies.)

☐ There has been a proceeding concerning the conviction before a hearing of the State of Florida, Division of Administrative Hearings. The final order entered by the hearing officer did not place the person or affiliate on the convicted vendor list. (Please attach a copy of the final order.)

☐ The person or affiliate was placed on the convicted vendor list. There has been a subsequent proceeding before a hearing officer of the State of Florida, Division of Administrative Hearings. The final order entered by the hearing officer determined that it was in the public interest to remove the person or affiliate from the convicted vendor list. (Please attach a copy of the final order.)

☐ The person or affiliate has not been put on the convicted vendor list. (Please describe any action taken by or pending with the Department of General Services.)

Michael D. Aviom  
(Signature)

8/03/12  
(Date)

STATE OF Florida

COUNTY OF Palm Beach

PERSONALLY APPEARED BEFORE ME, the undersigned authority,

Michael D. Aviom

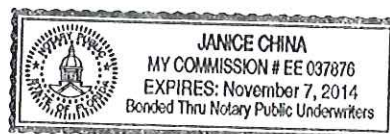
(Name of individual signing)

who, after first being sworn by me, affixed his/her signature in the

space provided above on this 3 day of August, 2012.

My commission expires:  
NOTARY PUBLIC

Janice China



STATE OF FLORIDA )  
 )  
 ) : SS  
COUNTY OF Palm Beach )

By: Michael D. Avram  
PRES.

3 day of August, 2012

Qanine China

My Commission Expires: \_\_\_\_\_







### *Client References*

Holly Pfister  
Monroe County Board of County  
Commissioners  
2798 Overseas Highway  
Marathon, Florida 33050  
(305) 481-0158  
Fax: (305) 289-2579  
pfister-holly@monroecounty-fl.gov

Christopher A. Cornnell  
Survey Section Chief  
City of Boca Raton  
201 W. Palmetto Park Road  
Boca Raton, Florida 33432  
(561) 393-7700  
Fax: (561) 416-3418  
ccornnell@myboca.us

Bill Cole  
Town of Lauderdale-By-The-Sea  
4501 Ocean Drive  
Lauderdale-By-The-Sea, Florida 33308  
(954) 778-4265  
billc@lauderdalebythesea-fl.gov

J. Martin Cala, P.E.  
City Engineer  
City of Lauderhill  
5581 W. Oakland Park Boulevard  
Lauderhill, Florida 33313  
(954) 730-2960  
Fax: (954) 730-4241  
jmcala@laudershill-fl.gov

Randal L. Krejcarek, P.E.  
City Engineer  
City of Delray Beach  
101 NW 1<sup>st</sup> Avenue  
Delray Beach, Florida 33444  
(561) 243-7000  
Fax: (561) 243-7166  
krejcarek@ci.delray-beach.fl.us



# City of Boca Raton

CITY HALL • 201 WEST PALMETTO PARK ROAD • BOCA RATON, FLORIDA 33432-3795 • PHONE: (561) 393-7700  
(FOR HEARING IMPAIRED) TDD: (561) 367-7046  
SUNCOM: (561) 922-7700



January 25, 2011

## TO WHOM IT MAY CONCERN:

The City of Boca Raton and Avirom and Associates have had an excellent working relationship for approximately 30 years, the last nine (9) years being Consultant to the City. Mike and his team have always been very responsive to our request, ranging in scope from requesting information in a certain neighborhood to boundary surveys.

We have had many dealings with Avirom and Associates and they have always responded promptly and in a very professional manner, with Mike Avirom responding personally to our request. Our experiences with them have been very positive and I recommend them.

Sincerely,

A handwritten signature in blue ink, appearing to read "Enrique G. Vidaurreta".

Enrique G. Vidaurreta, PLS  
Land Surveyor  
Municipal Services/Engineering Services

EGV/tc

Engineering/Surveydept/Avirom1/25/2011



# CITY OF DELRAY BEACH



1993  
2001

100 N.W. 1st AVENUE • DELRAY BEACH, FLORIDA 33444 • 561/243-7000

08 July 2011

RE: Recommendation Letter

To Whom It May Concern:

The City of Delray Beach has retained the services of Avirom and Associates, Inc. since December 2001. Since entering into a continuing services agreement with the City, Avirom and Associates, Inc. has completed route surveys, boundary surveys, condemnation surveys and plats, to name just a few.

Avirom and Associates has demonstrated, and continues to demonstrate, a very high level of competency and thoroughness when completing projects for the City. The City is glad to have Avirom and Associates, Inc. as a team member with respect to surveying services.

Sincerely,

Randal L. Krejcarek, P.E., LEED AP, GISP  
City Engineer

cc file

MAYOR  
Richard J. Kaplan, Esq.

VICE MAYOR  
Howard Berger

COMMISSIONER  
M. Margaret Bates

COMMISSIONER  
Hayward J. Benson, Jr., Ed.D.

# CITY OF LAUDERHILL



COMMISSIONER  
Ken Thurston

CITY MANAGER  
Charles Faranda

CITY CLERK  
Andrea Anderson

CITY ATTORNEY  
Earl Hall

## DEPARTMENT OF ENVIRONMENTAL & ENGINEERING SERVICES

May 2, 2011

To Whom It May Concern:

The City of Lauderhill has been working with Avirom & Associates since 2006. The company and personnel are extremely professional, personable, and efficient. The work is always of the highest quality and delivered consistently on-time and within budget. Their professionalism, knowledge and expertise in the land surveying profession have been invaluable to our Department.

Avirom & Associates has been chosen for the fifth straight year to provide the professional surveying services to the City compared to several other companies.

We are pleased to recommend Avirom & Associates for your surveying needs.

Sincerely,

J. Martin Cala, P.E.  
City Engineer – DEES Assistant Director



January 25, 2011

To Whom It May Concern:

Avirom & Associates, Inc. and Eckler Engineering, Inc. have enjoyed a working relationship for well over 30 years. I have worked directly with both Michael Avirom and John Doogan on a wide variety of projects involving engineering design surveys. I find them to be extremely knowledgeable in their profession and efficient in their approach to our projects and surveying needs.

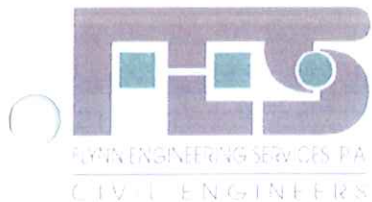
My experience with Avirom & Associates, Inc. shows their company to be competent, professional, and always quick to respond. We have worked directly with Avirom & Associates on projects in Broward, Palm Beach, and Monroe Counties.

Avirom & Associates, Inc. exhibits all the qualities desired in a land surveying firm and I would highly recommend them for all your surveying needs.

Sincerely,



Donald A. Eckler, P.E.  
President



January 25, 2011

To Whom It May Concern:

Flynn Engineering Services, P.A. has been working with Avirom & Associates, land surveyors, since our office first opened in 1993.

Since that time we have completed many projects with Mike and his firm and find them to be responsive, highly competent, thorough and willing to go that extra mile to satisfy our clients.

To that end, we can confidently recommend Avirom & Associates as your next land surveyor.

Sincerely,

FLYNN ENGINEERING SERVICES, P.A.

Jay M. Flynn, P.E.  
President

247 COMMERCIAL BLVD  
J.A. CERRATO-RATHE-SEA FL 33308

PHONE (754) 522-1004  
FAX (754) 522-7550

www.flynnengineering.com

X:\FORMS\Susan's Form Letter.doc

Page 1 of 1





DIVERSIFIED CONSTRUCTION  
& ENGINEERING SERVICES

May 16, 2011

Re: Avirom & Associates


To Whom It May Concern:

Our firm has had the pleasure of working with Avirom & Associates, Inc. since 1992. Avirom's knowledge of land surveying and their commitment to customer satisfaction is second to none. We have worked together with Avirom on a number of occasions ranging from complete site development to municipal capital improvement projects. We could always rely on them for high quality, efficient and dependable surveying services. They are always willing to perform beyond the call of duty to ensure that the project is complete and professionally presented.

I highly recommend Avirom & Associates for your surveying requirements.

If you have any questions, please feel free to contact me at your convenience.

Sincerely,  
Diversified Construction & Engineering Services



Neal B. Janov, P.E. # 21998  
President

**rsj Sullivan**  
CORP.

2001 N.W. 22nd Street  
Pompano Beach, FL 33069  
(954) 975-0388  
FAX (954) 975-3333

May 17, 2011

To Whom It May Concern

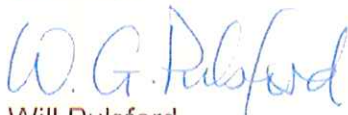
Re: Avirom & Associates, Inc.

We are a General Contractor specializing in the construction and rehabilitation of water and wastewater facilities in South Florida.

We have had the pleasure of working with Avirom & Associates for more than fifteen years. Avirom & Associates have successfully performed the surveying and specialized layout work for us on numerous projects. These projects have ranged from relatively small rehabilitation projects to complete large water and wastewater treatment plants.

We have no hesitation in recommending Avirom & Associates, Inc. Their approach to the work has always been thoroughly professional and the Owner, Engineer and Architect have always been very satisfied with the end result.

Sincerely,



Will Pulsford  
Senior Projects Manager





City of Key West

Professional Surveying Services

RFQ No. 12-004



Florida Department of Agriculture and Consumer Services  
Division of Consumer Services  
Board of Professional Surveyors and Mappers  
2005 Apalachee Pkwy Tallahassee, Florida 32399-6500

License No.: **LB3300**

Expiration Date: February 28, 2013

### Professional Surveyor and Mapper Business License

Under the provisions of Chapter 472, Florida Statutes

**AVIROM & ASSOCIATES INC**  
50 SW 2ND AVE #102  
BOCA RATON, FL 33432-4799

ADAM H. PUTNAM  
COMMISSIONER OF AGRICULTURE

This is to certify that the professional surveyor and mapper whose name and address are shown above is licensed as required by Chapter 472, Florida Statutes.



Florida Department of Agriculture and Consumer Services  
Division of Consumer Services  
Board of Professional Surveyors and Mappers  
2005 Apalachee Pkwy Tallahassee, Florida 32399-6500

License No.: **LS3268**

Expiration Date: February 28, 2013

### Professional Surveyor and Mapper License

Under the provisions of Chapter 472, Florida Statutes

**MICHAEL DAVID AVIROM**  
50 SW 2ND AVE  
BOCA RATON, FL 33427

ADAM H. PUTNAM  
COMMISSIONER OF AGRICULTURE

This is to certify that the professional surveyor and mapper whose name and address are shown above is licensed as required by Chapter 472, Florida Statutes.





City of Key West

Professional Surveying Services

RFQ No. 12-004



Florida Department of Agriculture and Consumer Services  
Division of Consumer Services  
Board of Professional Surveyors and Mappers  
2005 Apalachee Pkway Tallahassee, Florida 32399-6500

License No.: **LS5328**

Expiration Date February 28, 2013

**Professional Surveyor and Mapper License**

Under the provisions of Chapter 472, Florida Statutes

**KEITH MICHAEL CHEE-A-TOW**  
1355 EAST LANCEWOOD PLACE  
DELRAY BEACH, FL 33445

ADAM H. PUTNAM  
COMMISSIONER OF AGRICULTURE

This is to certify that the professional surveyor and mapper whose name and address are shown above is licensed as required by Chapter 472, Florida Statutes



Florida Department of Agriculture and Consumer Services  
Division of Consumer Services  
Board of Professional Surveyors and Mappers  
2005 Apalachee Pkway Tallahassee, Florida 32399-6500

License No.: **LS6555**

Expiration Date February 28, 2013

**Professional Surveyor and Mapper License**

Under the provisions of Chapter 472, Florida Statutes

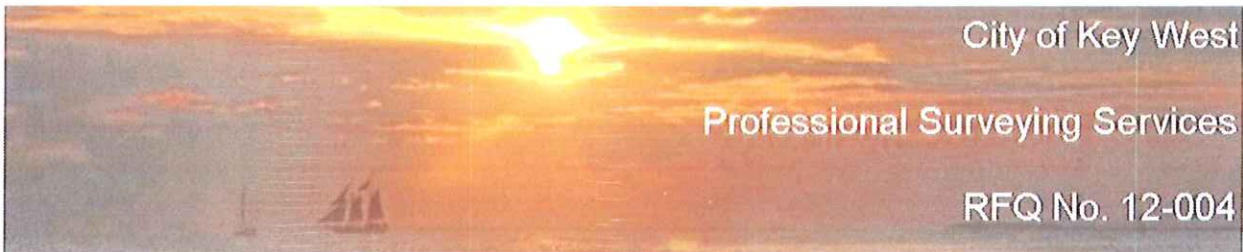
**MARISHA M KREITMAN**  
50 SW 2ND AVENUE  
BOCA RATON, FL 33432

ADAM H. PUTNAM  
COMMISSIONER OF AGRICULTURE

This is to certify that the professional surveyor and mapper whose name and address are shown above is licensed as required by Chapter 472, Florida Statutes







## CITY OF KEY WEST, FLORIDA

### Business Tax Receipt

This Document is a business tax receipt.  
Holder must meet all City zoning and use provisions.  
P.O. Box 1409, Key West, Florida 33040 (305) 809-3955

Business Name	AVIROM & ASSOCIATES INC	Ct1Nbr:0019429
Location Addr	402 APPELROUTH LN	
Lic NBR/Class	13-00024310 SERVICE - PROFESSIONAL	
Issue Date:	July 12, 2012	Expiration Date: September 30, 2013
License Fee	\$309.75	
Add. Charges	\$0.00	
Penalty	\$0.00	
Total	\$309.75	
Comments:	SURVEYOR	

This document must be prominently displayed.

AVIROM & ASSOCIATES INC

AVIROM & ASSOCIATES INC  
50 SW 2ND AVE

BOCA RATON FL 33432





2012 / 2013  
**MONROE COUNTY BUSINESS TAX RECEIPT**  
**EXPIRES SEPTEMBER 30, 2013**

Business Name: AVIROM & ASSOCIATES INC

RECEIPT # 46110-102445

Owner Name: MICHAEL D AVIROM  
Mailing Address: 50 SW 2ND AVE STE 102  
BOCA RATON, FL 33432

Business Location: 402 APPELROUTH LN #2E  
KEY WEST, FL 33040  
Business Phone: 561-392-2594  
Business Type: PROFESSIONALS (SURVEYING & MAPPING)

Rooms                      Seats                      Employees                      Machines                      Stalls

STATE LICENSE: LB3300

Number of Machines:

For Vending Business Only

Vending Type:

Tax Amount	Transfer Fee	Sub-Total	Penalty	Prior Years	Collection Cost	Total Paid
30.00	0.00	30.00	0.00	0.00	0.00	30.00

Paid 123-11-00006895 07/09/2012 30.00

**THIS RECEIPT MUST BE POSTED CONSPICUOUSLY IN YOUR PLACE OF BUSINESS**

THIS BECOMES A TAX RECEIPT  
WHEN VALIDATED

Danise D. Henriquez, CFC, Tax Collector  
PO Box 1129, Key West, FL 33041

THIS IS ONLY A TAX.  
YOU MUST MEET ALL  
COUNTY AND/OR  
MUNICIPALITY PLANNING  
AND ZONING REQUIREMENTS.







**Southern Resource Mapping, Inc.**

August 2, 2012

Mr. Keith M. Chee-A-Tow  
Project Manager  
**Avirom & Associates, Inc.**  
50 S. W. 2<sup>nd</sup> Avenue  
Boca Raton, FL 33432

**RE: Letter of Commitment**  
**City of Key West RFQ No. 12-004 Professional Surveying Services**

Dear Mr. Chee-A-Tow,

On behalf of Southern Resource Mapping (SRM), I am pleased to announce that we will be working as a sub-consultant to Avirom & Associates in support of the above referenced solicitation. We welcome the opportunity to join your team in support of the City of Key West's Professional Surveying and Mapping services effort.

Avirom and SRM enjoyed a strong working relationship over the last 11 years and have successfully completed several large mapping design projects in the Florida Keys. These projects are described in a separate document sent with the letter.

Southern Resource Mapping, Inc is prepared to commit all necessary personnel, equipment and resources to provide photogrammetric and LiDAR services in support of this project.

We look forward to working with the Avirom Team.

Sincerely,  
**Southern Resource Mapping, Inc.**

Joseph P. Ricke, P.S.M.  
President and Manager



**Southern Resource Mapping, Inc.**



### **Completed Projects in the Florida Keys with Avirom & Associates**

#### **Lower Sugarloaf, Ramrod, Little Torch Big Pine and No Name Keys, Monroe County, Florida**

Sanitary Sewer Force Main and Transmission Systems Mapping at 1"=20', color digital orthophoto at 1"=20' for 346,275 lineal feet of roadways

Professional Fees: \$136,430

Year Completed: 2009

Client: Avirom & Associates

Project Manager: Keith Chee A Tow, P.L.S.

50 S.W. 2<sup>nd</sup> Avenue

Suite 102

Boca Raton, FL

(561) 392-2594

#### **Big Coppitt Key, Monroe County, Florida**

Sanitary Sewer Force Main and Location of Vacuum Stations and Transmission Systems

Professional Fees: \$108,845

Date Started: 8/28/07 Date Completed: 10/3/07

Client: Avirom & Associates

Project Manager: Keith Chee A Tow, P.L.S.

50 S.W. 2<sup>nd</sup> Avenue

Suite 102

(561) 392-2594





A Professional Utility Locating Service

August 3, 2012

Mr. Keith M. Chee-A-Tow  
Project Manager  
Avirom & Associates, Inc.  
50 S.W. 2<sup>nd</sup> Avenue  
Boca Raton, FL 33432

**Subject: The City of Key West - (RFQ) No. 12-004:  
Professional Surveying Services**

Dear Chee-A-Tow:

Ground Hound Detection Services, Inc. (GHD) is dedicated to supporting The City of Key West and Avirom & Associates for Professional Surveying Services.

Should Avirom & Associates be awarded the contract for the referenced Solicitation, GHD commits to providing Utility Locating services as a Sub-consultant.

The following is a short list of similar projects.

"US Coast Guard Station," Home Porting FRC, Key West, FL  
"Saint Andrews Estates North" Boca Raton, FL  
"Taft Street Interceptor Pre-design" - Hollywood, FL  
"Broad Causeway," Bay Harbor Island, FL  
"Intracoastal Water Main Crossing," Manalapan, FL

We thank you for the opportunity to serve The City of Key West in this capacity.

Sincerely,

Jeffrey C. Poppe, President  
Ground Hound Detection Services, Inc.