Staff Licenses

Kimley-Horn

State of Florida
Board of Professional Engineers
Attests that
Brenda J. Westhorp, P.E.
Is licensed as a Professional Engineer under Chapter 471, Florida Statutes
Expiration: 2/28/2015
Audit No: 228201511307
P.E. Lic. No: 42801

State of Florida
Board of Professional Engineers
Attests that
Juan E. Jimenez, P.E.
Is licensed as a Professional Engineer under Chapter 471, Florida Statutes
Expiration: 2/28/2015
Audit No: 228201513707
P.E. Lic. No: 56704

State of Florida
Board of Professional Engineers
Attests that
Jorge Luis Fernandez, P.E.
Is licensed as a Professional Engineer under Chapter 471, Florida Statutes
Expiration: 2/28/2015
Audit No: 228201505096
P.E. Lic. No: 71682

License No. PG 0001573

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

This is to Certify that

David Shannon Goldman

Having furnished satisfactory evidence of Attainments and Qualifications, and having passed the Examination, as required by Chapter 492, is hereby duly Certified as a

Professional Geologist

In Conformity with an Act of the Legislature of the State of Florida, creating and regulating the profession.

Chairman of the Board

Lawton Chiles, Governor — *George Stuart, Secretary*

GREAT SEAL OF THE STATE OF FLORIDA
IN GOD WE TRUST

State of Florida
Department of Business and Professional Regulation
Board Of Professional Geologists

This is to certify that

JASON CHAD SHEASLEY

has furnished satisfactory evidence of attainments and qualifications, and has complied with all requirements of Chapter 492, Florida Statutes, and is hereby licensed as a

Professional Geologist

In conformity with an act of the Legislature of the State of Florida, creating and regulating the profession.
License Number: PG 2236
Date Issued: August 23, 2002

Jeb Bush, Governor — *Dr. Tom Scott, Board Chair*

RICK SCOTT, GOVERNOR — KEN LAWSON, SECRETARY

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF LANDSCAPE ARCHITECTURE

LICENSE NUMBER
LA0001345

The LANDSCAPE ARCHITECT
Named below HAS REGISTERED
Under the provisions of Chapter 481 FS.
Expiration date: NOV 30, 2015

WADDILL, WILLIAM D
2601 CATTLEMEN ROAD
STE 200
SARASOTA FL 34232

VIVA FLORIDA 500

ISSUED: 12/10/2013 SEQ # L1312100001071
DISPLAY AS REQUIRED BY LAW

This certificate hereby qualifies

William D. Waddill, AICP

as a member with all the benefits of a Certified Planner
and a commitment to the AICP Code of Ethics and Professional Conduct.

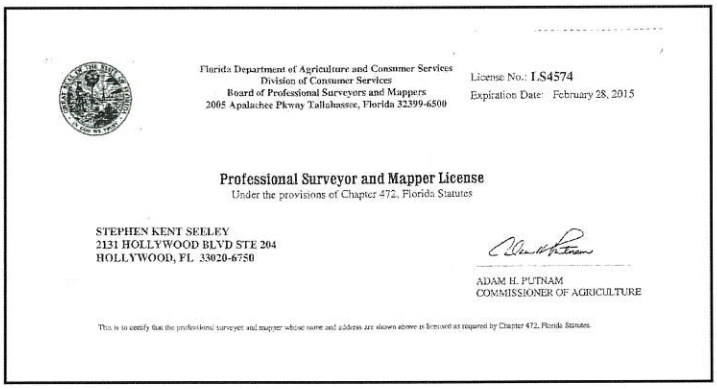
Certified Planner Number 023348

Paul Farmer, FAICP
Executive Director and CEO

Paul Ingram, AICP
President

APA
AICP
The American Planning Association's Professional Institute
American Institute of Certified Planners
Making Great Communities Happen

Gibbs Land Surveyors, Inc.



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

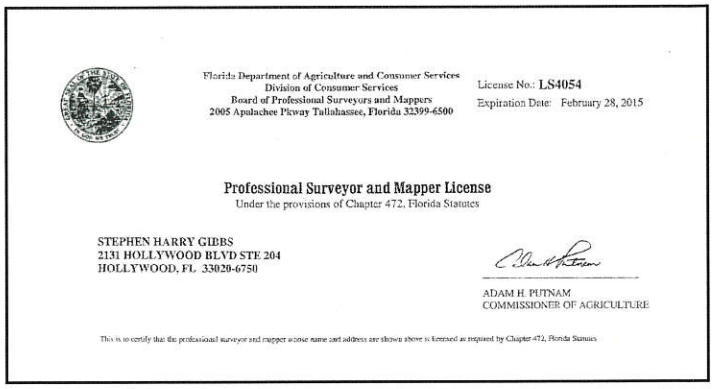
License No.: LS4574
Expiration Date: February 28, 2015

Professional Surveyor and Mapper License
Under the provisions of Chapter 472, Florida Statutes

STEPHEN KENT SEELEY
2131 HOLLYWOOD BLVD STE 204
HOLLYWOOD, FL 33020-6750

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

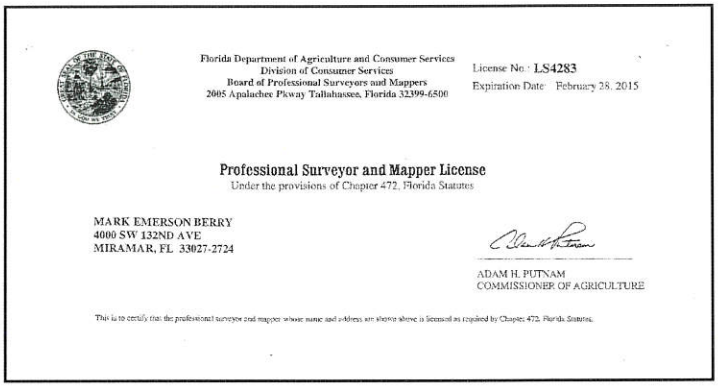
License No.: LS4054
Expiration Date: February 28, 2015

Professional Surveyor and Mapper License
Under the provisions of Chapter 472, Florida Statutes

STEPHEN HARRY GIBBS
2131 HOLLYWOOD BLVD STE 204
HOLLYWOOD, FL 33020-6750

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.: LS4283
Expiration Date: February 28, 2015

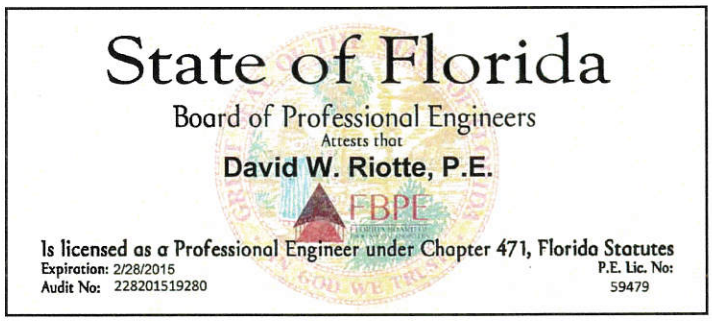
Professional Surveyor and Mapper License
Under the provisions of Chapter 472, Florida Statutes

MARK EMERSON BERRY
4000 SW 132ND AVE
MIRAMAR, FL 33027-2724

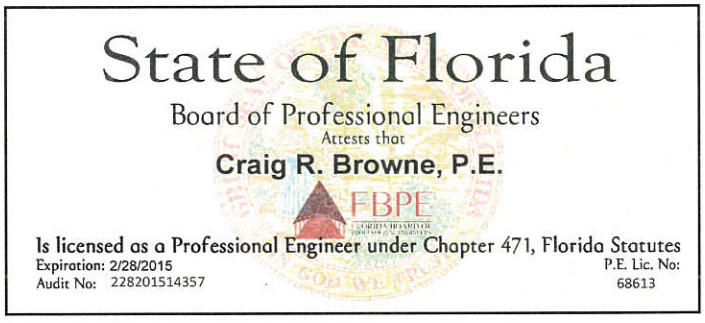
ADAM H. PUTNAM
COMMISSIONER OF AGRICULTURE

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.

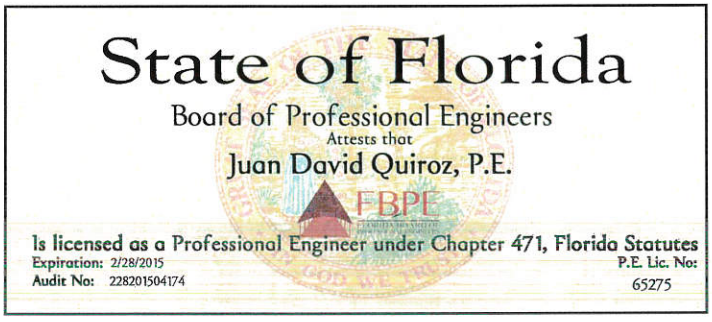
Geosyntec Consultants, Inc.



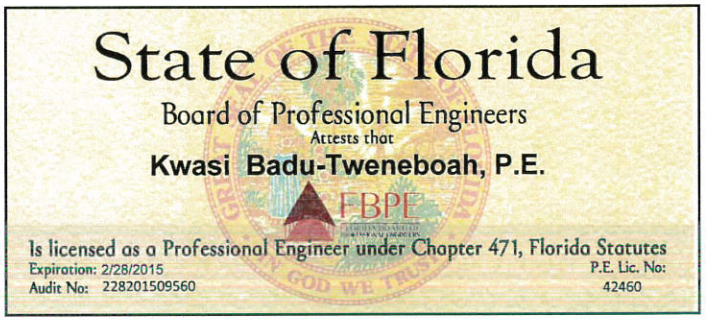
State of Florida
Board of Professional Engineers
Attests that
David W. Riotte, P.E.
FBPE
Is licensed as a Professional Engineer under Chapter 471, Florida Statutes
Expiration: 2/28/2015
Audit No: 228201519280
P.E. Lic. No:
59479



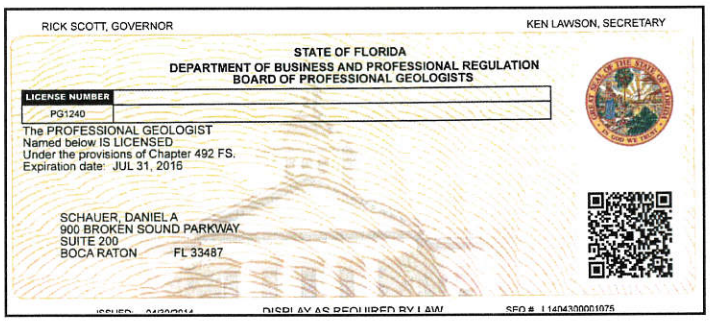
State of Florida
Board of Professional Engineers
Attests that
Craig R. Browne, P.E.
FBPE
Is licensed as a Professional Engineer under Chapter 471, Florida Statutes
Expiration: 2/28/2015
Audit No: 228201514357
P.E. Lic. No:
68613



State of Florida
Board of Professional Engineers
Attests that
Juan David Quiroz, P.E.
FBPE
Is licensed as a Professional Engineer under Chapter 471, Florida Statutes
Expiration: 2/28/2015
Audit No: 228201504174
P.E. Lic. No:
65275



State of Florida
Board of Professional Engineers
Attests that
Kwasi Badu-Tweneboah, P.E.
FBPE
Is licensed as a Professional Engineer under Chapter 471, Florida Statutes
Expiration: 2/28/2015
Audit No: 228201509560
P.E. Lic. No:
42460



RICK SCOTT, GOVERNOR

KEN LAWSON, SECRETARY

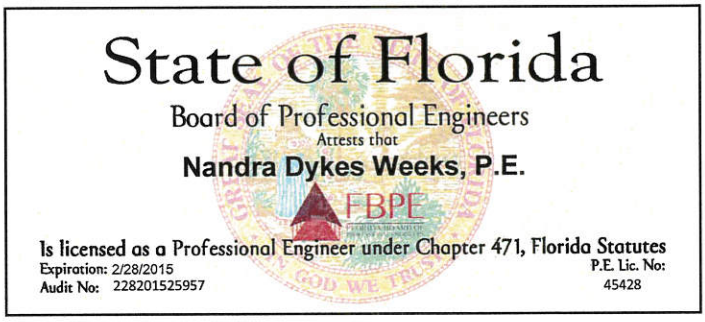
STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROFESSIONAL GEOLOGISTS

LICENSE NUMBER
PG1240

The PROFESSIONAL GEOLOGIST
Named below IS LICENSED
Under the provisions of Chapter 492 FS.
Expiration date: JUL 31, 2016

SCHAUER, DANIEL A
900 BROKEN SOUND PARKWAY
SUITE 200
BOCA RATON FL 33487

DISPLAY AS REQUIRED BY LAW



State of Florida

Board of Professional Engineers

Attests that

Nandra Dykes Weeks, P.E.

FBPE

Is licensed as a Professional Engineer under Chapter 471, Florida Statutes

Expiration: 2/28/2015
Audit No: 228201525957

P.E. Lic. No:
45428

RELATED EXPERIENCE AND REFERENCES

Kimley-Horn has the ability to integrate our environmental expertise with our land development skills and experience to provide the City of Hollywood with the entire range of required environmental consulting services. Through our local and statewide knowledge, experience with contamination assessment and remediation, professional relationships with regulatory authorities, and expertise in community outreach, planning, site design, and development, we have developed a highly successful environmental and Brownfield practice that is focused on results. Our team is differentiated by its integrated, in-house disciplines, which are the core of redevelopment.

History of Firm's Experience Providing Brownfields Services

Kimley-Horn has worked on over 30 Brownfields projects within the State of Florida Program. Our project experience working on hundreds of contaminated sites has also fallen under various other FDEP and EPA regulatory guidelines and grants, which required integration of our environmental, planning, civil design, and construction services. As a result, we can offer our experience and knowledge of how to successfully address contamination during redevelopment while meeting local, state, and federal mandates. Our experience with statewide Brownfield projects helps us to understand redevelopment opportunities for the City and potential end users and developers. The following list demonstrates our team's experience with Brownfield projects in Florida. We have also included comments on how we provided new or innovative approaches for each site.

Brownfield Services Provided by Kimley-Horn Team in Florida

Site Name and Location	Phase I/II	Site Assessment	Risk Analysis	Remediation Design	Public Participation	Site Civil Design	Planning	Programmatic Support/ Grant Preparation	Completion Date	Comment
Philips Highway Landfill, Jacksonville	X	X	X	X	X	X			2009	First landfill Brownfield site in northeast Florida. First permitted lined stormwater pond on top of a landfill. First site in Florida where a Solid Waste Permit was integrated with the BSRA.
Sunbeam Road Landfill, Jacksonville (4502 Sunbeam Road Site)		X	X						2008	First golf course Brownfield site in Florida. Modification of Zone Of Discharge to allow for single-family home reuse on a portion of the site.
Brownfield Assessment Grant City of Wauchula, Florida	X	X	X	X	X		X	X	Ongoing	Kimley-Horn prepared the winning Community Wide Assessment $400,000 Grant application for Wauchula and is the consultant to the City implementing this grant and obtained an additional $105,000 in cleanup grants for the City.
Central Florida Regional Planning Council Brownfield Environmental Services for Revolving Loan Fund		X	X	X	X				Ongoing	Kimley-Horn is one of three designated consultants providing remediation design and implementation under the CFRPC Revolving Loan Fund.
Miami Herald	X	X	X	X	X	X	X	X	Ongoing	Kimley-Horn is providing site assessment, remediation, civil design and planning services on the redevelopment of the 60 year old former Miami Herald Building in downtown Miami.

Brownfield Services Provided by Kimley-Horn Team in Florida										
Site Name and Location	Phase I/II	Site Assessment	Risk Analysis	Remediation Design	Public Participation	Site Civil Design	Planning	Programmatic Support/ Grant Preparation	Completion Date	Comment
Florida Rock (Bill Ding Site), Palatka	X	X	X	X					Ongoing	First use of recirculation and bioremediation approach on a Brownfield site in Florida.
Marian Anderson Brownfield, Sarasota	X	X	X		X	X	X		Pending	Extensive public meetings, newsletters, and public participation for future Walmart store on top of former landfill. Extensive environmental justice and community outreach.
DeBary Brownfield Area Designation					X			X	2013	Kimley-Horn provided services in support of the designation of a Brownfield Are at the City of DeBary Industrial Park.
Brownfield Coalition Assessment Grant Cities of Edgewater, New Smyrna Beach, and Oak Hill								X	2012	Kimley-Horn prepared the winning Community Wide Assessment EPA Grant for $600,000 for this coalition in 2012.
City of New Smyrna Beach Brownfield Assessment Grant	X	X	X					X	2012	Kimley-Horn was the consultant working on and managing this $400,000 Area Wide Assessment EPA Grant.
Hillsborough County EPA Revolving Loan Fund (RLF)					X			X	2012	Kimley-Horn provided technical assistance and program oversight for this $1,500,000 RLF in Hillsborough County.
Central Florida Regional Planning Council Brownfield Assessment Grant	X	X	X					X	2012	Kimley-Horn was one of three consultants working on this $1,000,000 Coalition Assessment Grant covering central Florida.
Jacksonville Raceway, Jacksonville		X		X					2011	Determined approach to address solid waste on the site while allowing for Brownfield redevelopment.
Walmart, St. Petersburg South	X	X	X	X	X	X	X		2011	Key project in redevelopment of Downtown St. Petersburg. Convinced FDEP that high background levels of contaminants were related to long-term urbanization rather than a direct release into the environment. This reduced overall site assessment and remediation costs as well as schedule. This was the first such approval in the State of Florida.
FEC Buena Vista Rail Yard, Miami (Midtown Miami)	X	X	X	X	X	X	X	X	2009	Multi-use redevelopment of 100-year-old rail yard in downtown Miami; now known as Midtown Miami. Winner of 2009 EPA Region 4 Phoenix Award.
IKEA Store, Tampa						X		X	2009	Kimley-Horn provided site civil design services for this large retail development site.

Brownfield Services Provided by Kimley-Horn Team in Florida										
Site Name and Location	Phase I/II	Site Assessment	Risk Analysis	Remediation Design	Public Participation	Site Civil Design	Planning	Programmatic Support/ Grant Preparation	Completion Date	Comment
Courtney Lakes, West Palm Beach (DR Lakes Inc. Parcel II)	X	X	X	X	X	X	X		2008	First use of institutional controls on a multifamily redevelopment project.
Dedicated Transportation, Miami				X				X	2007	Received RLF for redevelopment on top of former unregulated landfill.
Walmart, Pensacola	X	X			X				2006	Commercial development on top of chlorinated solvent plume from State Dry Cleaner Fund site; implemented vapor control system for protection of workers within development.
Preparation of GIS Program for Contaminated Sites, Homestead		X						X	2006	Worked with City of Homestead to prepare a GIS system for potential Brownfield sites within the area. Taught staff how to populate and operate system.
Walmart Philips Highway, Jacksonville	X	X	X	X	X				2005	Won FPZA award for large-scale redevelopment; used by FDEP as model for cleanup of similar dump sites in Northeast Florida.
Malibu Bay, West Palm Beach	X	X	X	X	X	X	X	X	2005	First multifamily affordable housing development on a Brownfield site in EPA Region 4 that received RLF for more than $800,000 for cleanup.
WCI Multifamily, West Palm Beach (DR Lakes Residential Complex Brownfield Site)			X			X	X		2005	Civil engineering for first single-family residential use of engineering and institutional controls on a Brownfield site.
Biscayne Commons, Miami			X			X	X		2005	Civil engineer for design of commercial development on former landfill.
Walmart, Auburndale	X	X	X	X	X	X	X	X	2004	Former mine used as a landfill; turned into commercial redevelopment.
Walmart Tampa Gunn, Valspar Superfund, Tampa	X	X	X	X	X	X	X		2004	Former Superfund site turned into successful Brownfield project.
BrandsMart, West Palm Beach	X	X	X	X	X	X	X	X	2001	Integrated site assessment and remediation with construction to expedite construction.

Relevant Project Experience

The following is a sampling of similar projects performed by Kimley-Horn; we believe these projects best illustrate our team's qualifications and relevant experience for the services that will be required by the City of Hollywood.

Jaxson Brown/HASSCO Rehabilitation Brownfield Site

Jacksonville, Florida

Ongoing project

The Philips Highway Brownfields site is located in South Jacksonville, one of the fastest growing areas of the city. This site consists of 40 acres and was operated as a landfill from 1955 to 1972. The site was closed in 1976 and remained unused until it was purchased in 1996. Key scope elements included site investigations, contamination assessment, groundwater modeling, remediation design, permitting, and site civil engineering. The contaminants on the site consisted of volatile compounds, phenols, and metals.

After more than 30 years of differential settling on top of the landfill, more than 50% of the site was found to contain wetlands. Kimley-Horn demonstrated to both FDEP and the U.S. Army Corps of Engineers that redevelopment and maintenance of the landfill cap would benefit the environment and that mitigation for removal of the secondary wetlands was not required. This allowed for the redevelopment of the entire site.

The redevelopment was conducted under a combined solid waste permit and a Brownfield Site Rehabilitation Agreement (BSRA). This was the first site in the State of Florida where a solid waste permit and a BSRA were implemented concurrently. Kimley-Horn redesigned the landfill cap to support the development of a commercial complex at a later date. We also designed the use of lined stormwater ponds on top of waste, and these were the first such stormwater ponds permitted in the State of Florida. After construction of the new cap and stormwater pond, contaminant concentrations at the Zone of Discharge (ZOD) were reduced significantly.

Client Contact:
Alex Levy, P.G., Brownfield Properties, LLC, (904) 649-7778, brserv@aol.com

Walmart - Clinton

Jacksonville, Florida

Completed 2013

The Walmart store on Philips Highway is one of the few successfully developed Brownfield sites in North Florida. The successful completion of this store is credited to the collaborative efforts of Walmart, the City of Jacksonville, the Florida Department of Environmental Protection (FDEP), and local citizens. The project was considered such a success by the FDEP that it has been used as a model for remediation of similar sites within Northeast Florida.

The property consisted of three separate parcels that had been subject to unpermitted dumping and disposal of waste over a period of decades. The dumping created groundwater contamination and more than 64,000 tons of waste and contaminated soil. Soil and groundwater contamination were also present from a former gas station and an automotive maintenance facility. The contaminants of concern (COCs) identified were arsenic, lead, pesticides, petroleum compounds, ammonia, and nitrogen. Due to the magnitude and the extent of the waste and contamination, the owners of the parcels could not afford the assessment and remediation of this environmental hazard. Therefore, the cleanup had to be funded by city and state taxes, or a developer needed to determine an approach for remediation of the site that would maintain an adequate return on investment.

To effectively address the soil and groundwater impacts, Kimley-Horn developed a remediation plan consisting of the removal of waste and contaminated material along with the implementation of engineering and institutional controls. Waste and contaminated soil were excavated and screened to remove debris. The residual screened material (RSM) recovered from the screening was contaminated with COC. To address the RSM contamination, the material was placed beneath the asphalt pavement on-site, above the water table. This approach allowed for the removal of the contamination source (the solid waste) and also enabled the use of the RSM as fill. A total of approximately 54,000 tons of waste and debris were disposed at the landfill and approximately 12,000 tons of RSM were available for use on-site as fill.

The benefit to the environment and the city was the cleanup of solid waste and contamination on an underutilized commercial property, accomplished with the use of private funds. The benefit to the community was the creation of services and jobs in a corridor that offered none at that time. The site will receive a Site Rehabilitation Completion Order in 2011. Kimley-Horn services were provided within budget and met the time requirements for this expedited remediation. ***This project was awarded first place for large-scale redevelopment by the First Coast Chapter of the Florida Planning and Zoning Association.***

Client Contact:
Akerman Senterfitt, LLP, Michael Goldstein, Esq., (305) 982-5570, mgoldstein@akerman.com

BJ's Wholesale Club Distribution Center

Hialeah Gardens, Florida

Ongoing project

This 20 acre facility was constructed on top of waste that was disposed in a former borrow pit. The presence of the waste was during construction of stormwater exfiltration trenches and after construction of the building foundation had been constructed. Key scope elements included site investigations, contamination assessment, groundwater modeling, remediation design, methane mitigation system design, and monitoring, groundwater monitoring and reporting and permitting. The contaminants on the site consisted of ammonia in groundwater and methane gas.

Kimley-Horn was brought in to this project for site civil design services after geotechnical and environmental due diligence services had been completed by others. Waste was identified during construction of stormwater exfiltration trenches and construction was halted. The waste was from backfilling of a former borrow pit and in some areas was up to 40 feet thick and within the water table. Waste was confirmed over a large portion of the site including the building footprint. Methane was detected beneath the building footprint and up to 20 feet of waste was identified in the area of the exfiltration galleries. Kimley-Horn redesigned the stormwater exfiltration to allow for discharge of water beneath the waste. This was accomplished by lining the trenches on the sides with where waste was present to approximately 5 feet beneath the waste. A groundwater flow and contaminant transport model using MODFLOW and MT3D, was prepared to simulate the effectiveness of the trenches. The lined trenches were approved by Miami-Dade Department of Environmental Resources Management (DERM) with no comments and were constructed. In addition to the above, a methane mitigation system was design and installed underneath the existing building. The system is currently in operation and is under a quarterly monitoring program. The site is also under a groundwater monitoring program. The facility was completed and occupied within the original schedule.

Client Contact:
Peter Hopley, Former Director of Development now with Keller Williams, (508) 245-4707, phopley@kw.com

Midtown Miami

Miami, Florida

Ongoing Project

Located in the heart of Miami, this 56-acre brownfield is the largest redevelopment project in the City of Miami. Kimley-Horn worked with the architectural design team to develop a truly urban mixed-use master plan to support 1.2 million square feet of commercial development, 4,500 residential units, offices, and parks on this contaminated rail yard. The design includes nearly 12,000 linear feet of urban streetscapes, a linear park system, an urban plaza, and a series of vest pocket parks. Kimley-Horn authored streetscape design guidelines for the project and prepared a Regional Activity Center (RAC) justification report to increase DRI thresholds. The project received more than $10 million in grant funding for the redevelopment.

Kimley-Horn also provided brownfield assessment and remediating design services for this site. David Goldman was the project manager for the very important environmental remediation aspects of this project. Remediation consisted of source removal in addition to engineering and institutional controls. Kimley-Horn was able to integrate the necessary site remediation with the actual redevelopment, saving the client millions of dollars in soil disposal costs. A Site Rehabilitation Completion Order (SRCO) was obtained from the FDEP for the site in 2006.

In addition, Kimley-Horn designed all public infrastructure, including roadways and utilities, and has provided traffic, landscape architecture, and urban planning services for Midtown Miami. This project is an example of the turnkey type of brownfield redevelopment services Kimley-Horn offers, and we are very proud of the fact that Midtown Miami is the recipient of the EPA Region 4 2009 Phoenix Award, the nation's most prestigious award for brownfield redevelopment.

Client Contact: Bruce Cutright, P.G., Formerly with Midtown Equities LLC, now with the University of Texas, (512) 232-0775

Biscayne Commons Assessment, Cleanup, and Redevelopment Services

North Miami, Florida

Completed 2009

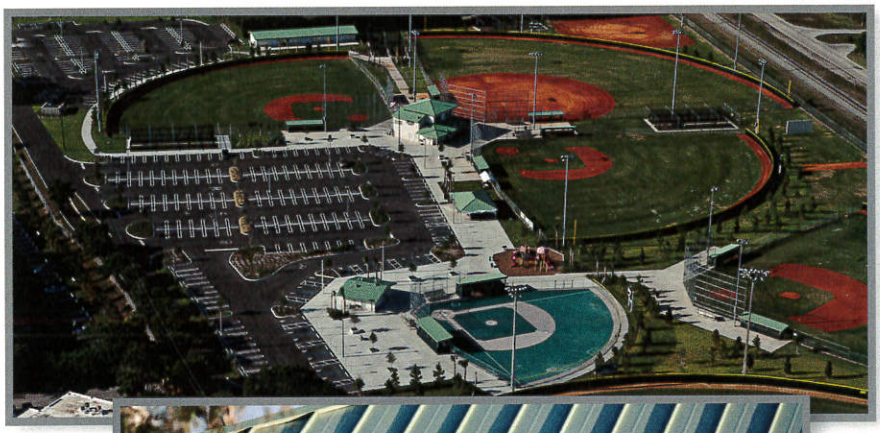
The Kimley-Horn and Geosyntec team worked together to provide site civil engineering design and permitting, geotechnical, and environmental site assessment and design/permitting services for a 12-acre former landfill site, which was redeveloped into a 120,000 square ft commercial retail establishment referred to as Biscayne Commons. The property historically (1973 through 1976) received construction and demolition debris (C&DD), as well as limited amounts of MSW. Waste thickness extends to 15 ft in some areas of the site. The site operated and was closed with no permit. The site setting is complicated by the presence of the adjacent 291-acre Munisport Landfill Site (formerly listed on the NPL). The Biscayne Commons Site was designated a Brownfields area by the City of North Miami in December 2002 and a Brownfield Site Rehabilitation Agreement (BSRA) was finalized in April 2003. Construction began in early 2003 and was successfully completed in January 2005. Geosyntec is currently responsible for implementation of the gas mitigation system operation and maintenance.

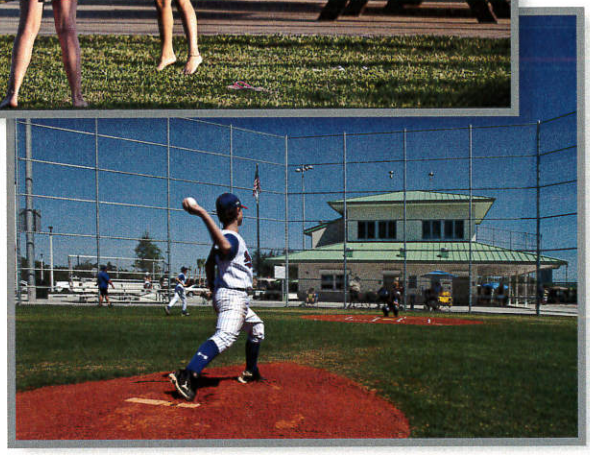
Client Contact:
Akerman Senterfitt, LLP, Michael Goldstein, Esq., (305) 982-5570, mgoldstein@akerman.com

Miller Park

Delray Beach, Florida

Completed 2010





Kimley-Horn developed the master plan and provided detailed design and construction phase services for the renovation of this existing 24-acre park in Delray Beach. Miller Park is the City's primary baseball complex and home to year-round baseball schools. This $5.5-million renovation included the construction of three new buildings, four lighted baseball fields, batting cages, public parking, and the City's first Miracle League baseball facility. The park is vital to the City's youth baseball program and, as such, extensive coordination was required to ensure that user needs were addressed. Portions of the park facility lay over an old landfill, which created challenging foundation and grading requirements. The shallow landfill was used for household waste and closed in the early 1970s. Two issues needed to be addressed before FDEP would approve permits for construction. Waste materials beneath the building foundations and utility installations had to be removed and hauled offsite to an approved disposal facility. In addition, a methane mitigation system had to be designed for structures that were present on the site. This included a vapor collection system beneath concession stands and the restroom buildings and methane monitors around building foundations. The park opened in late 2009 and has been operating successfully since then.

Client Contact:
Tracie Lutchmansingh, P.E., City of Delray Beach Parks and Recreation Department, (561) 243-7305

South Dade Landfill Cell 3 Closure

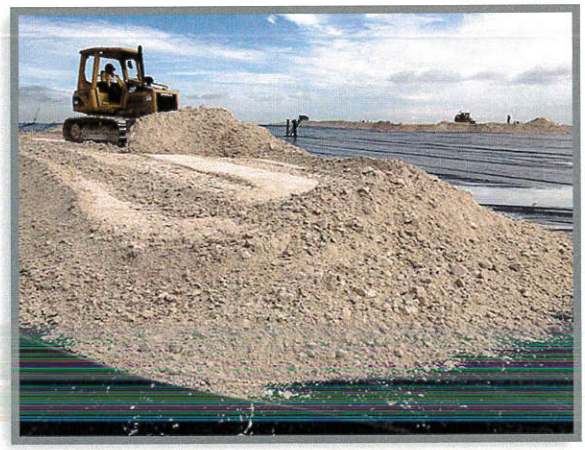
Miami, Florida

Ongoing project

The South Dade Landfill (SDLF) is a 320-acre Class I municipal solid waste (MSW) facility located in southern Miami-Dade County which is owned and operated by DSWM. The SDLF is one of the most important facilities for Miami-Dade County as it serves as the "safety net" for the disposal system, should other waste disposal options fail. The SDLF consists of five cells designated as Cells 1 through 5. Cells 1 and 2 have approximately 60 acres of combined footprint and are closed; the 50-acre Cell 3 is inactive and currently undergoing closure construction, while the 50-acre Cell 4 is currently active and receiving Class I waste.

Our project manager, Brenda Westhorp, was selected in the fall of 2007 to provide the DSWM engineering services for this important project at its South Dade landfill while working for her previous firm, Westhorp & Associates, Inc. This nine million dollar construction project consists of the installation of a final cover system that contains both geosynthetic materials and soil layers on both the top and side slopes of this 40-acre area. Vertical landfill gas and leachate extraction wells with air driven hydraulic pumps and associated horizontal piping, and construction of a stormwater drainage system to convey stormwater collected on the top and sides of the cell to existing stormwater swales at the bottom of the landfill while minimizing erosion. The drainage system consists of drain inlets and pipes in the bench terraces located along the side slopes. Upon completion of this work, 36 vertical gas extraction wells were installed throughout the cell, ranging in depth from 40 feet to 100 feet in depth. Twenty wells were installed on the top of the landfill cell, while eight each were installed on both the south and the north slopes. These wells were tied into approximately 4,450 feet of horizontal gas header lines on the top of the cell and approximately 4,000 feet along the side slopes. Upon completion of the gas wells and header lines, a 6-inch layer of compacted limerock was placed over the entire cell prior to the placement of the geosynthetic layers. The geosynthetic layers consisted of an 8 oz. non-woven geotextile fabric cushioning layer overlain by a 40-mil linear low density polyethylene (LLDPE) geomembrane. A geocomposite drainage layer sits on top of the geomembrane. 120,000 cubic yards of cover soil was placed in an 18-inch layer over the geocomposite material, which was then overlain by 6 inches of topsoil and sod.

The stormwater drainage system consists of four drainage inlets located at the top of the cell which convey rainwater down the side slopes of the cell via 460 feet of 18-inch high density polyethylene pipe (HDPE) per trench. Each length of drainage pipe discharges into an energy dissipator located at the toe of the cell, which then discharges the water into the site's perimeter stormwater swales.



Westhorp provided construction inspection services working hand in hand with the County's staff during the closure of Cell 3 at the SDLF. WA oversees the construction of this 40-acre cell closure with our trademark hands-on approach to keep the project running smoothly. Our onsite field engineer provides daily onsite oversight and inspections to ensure the construction is in compliance with the permitted requirements. The preparation of daily field reports, weekly meetings, and our constant communication with the Contractor and the County keep this project running smoothly. Our project team also provided timely review of the Contractor's requests for information (RFIs), project submittals, and pay requests. Close coordination with our construction quality assurance (CQA) sub-consultant, Geosyntec made the conformance testing of the liner system installation a seamless component of the project.

Client Contact:
Asok Ganguli P. E., Miami-Dade County Department of Solid Waste Management, (305) 514-6687, asok@miamidade.gov

Hollywood Beach Community Redevelopment Agency (CRA) Street Planning and Transportation Vision and Broadwalk Design

Hollywood, Florida

Ongoing project

Working intensely with a team of stakeholders, City staff planners, architects, landscape architects, and engineers, Kimley-Horn collaborated with Glatting Jackson in 2002 to develop a transportation and revitalization plan for the City of Hollywood Beach CRA District, an area that wished to retain and enhance its rich and vibrant past to become an attractive mixed-use village, and to make its beach a tourist destination. The study area included the Broadwalk, Surf Road, A1A, and Hollywood Boulevard. The theme for the revitalization area became the friendly, charming beachside village that enjoyed popularity in the '40s, '50s, and '60s.

As a follow up to this initial study, Kimley-Horn was hired to develop design intent drawing for the Broadwalk, much of which has been implemented over the past 10 years. In addition, Kimley-Horn has continued to work on a number of additional studies for the City and CRA, including additional design recommendations for the street network, landscape architectural theme and standards, and is currently coordinating with the City/CRA and State of Florida on modifications to A1A to improve multi-modal mobility and encourage redevelopment.

Client Contact:
Susan Goldberg, Hollywood Beach CRA, (954) 921-3900

Dixie Highway/21st Avenue Corridor Redesign Concept and Mobility Study

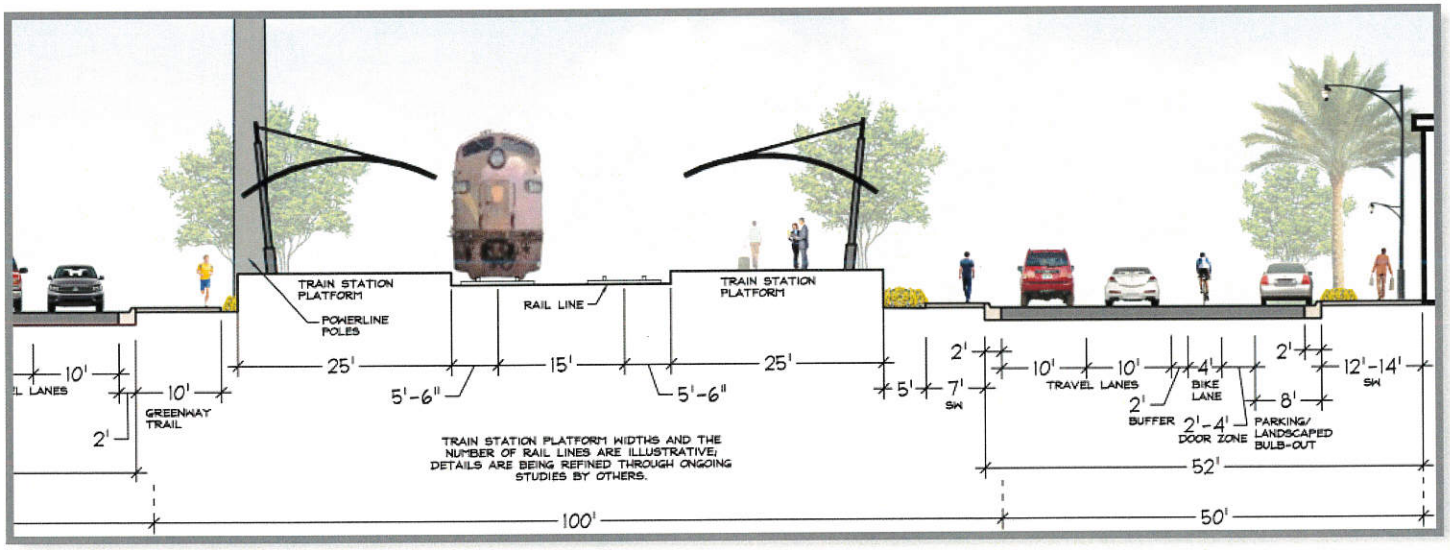
Hollywood, Florida

Ongoing project

Through contracts with the City of Hollywood and the Hollywood CRA, Kimley-Horn is preparing a Redesign Concept Study for the Dixie Highway and 21st Avenue corridor throughout Hollywood between Pembroke Road and Sheridan Street. The goal is to create a "transit-ready corridor" along the FEC Railroad by implementing Complete Streets solutions in anticipation of re-establishing passenger rail service through seamless integration of an anticipated Tri-Rail Coastal Link station.

Implementing Complete Streets solutions along Dixie Highway/21st Avenue is important to achieve the vision for improved multimodal mobility and livability along this important north-south corridor. The Complete Streets approach recommended in this study includes a "road diet" lane reduction to repurpose excess automobile capacity for bicyclist, pedestrian, and transit improvements. In addition, the Complete Streets approach will establish a transit-ready corridor for seamless integration of an anticipated Tri-Rail Coastal Link station along the Florida East Coast (FEC) railroad.

Client Contact:
Susan Goldberg, Hollywood Beach CRA, (954) 921-3900



Resorts World Miami (former Miami Herald site)

Miami, Florida

Ongoing Project

Kimley-Horn is providing site/civil engineering, environmental, and ongoing traffic engineering services for the 14-acre bayfront site that previously housed the Miami Herald newspaper at 1 Herald Plaza in Miami. The proposed project includes four new hotels with more than 5,000 rooms and two residential towers featuring up to 1,000 units; a luxury retail galleria; a 3.6-acre rooftop lagoon and natural sand beach; more than 50 restaurants, lounges, bars, and nightclubs; a high-tech multimedia entertainment area showcasing the music and culture of Florida and South America; and 700,000 square feet of convention and meeting space. The resort will help develop the three-mile BayWalk, which highlights a 150-acre leisure and entertainment area in downtown Miami beginning at the Miami River and running north to Margaret Pace Park. The Baywalk will link Bayfront Park, Bayside Market Place, American Airlines Arena, Museum Park, the under-development Miami Art Museum, the new Miami Science Museum, and the Adrienne Arsht Center for the Performing Arts. The project combines world-class dining and entertainment, high-end hotels and residences, and luxury shopping in the center of downtown Miami.

Client Contacts:
Jessica Hoppe, Esq. In-House Counsel, Resorts World Miami, LLC, (718) 219-1664

Jason Lichtstein, Esq. Outside Environmental Counsel, Akerman, LLP, (850) 224-9634

Malibu Bay

West Palm Beach, Florida

Completed 2005

David Goldman, P.G., was the project manager for the Malibu Bay Apartments, a 264-unit low-to moderate-income apartment complex located on a 13-acre portion of the former Palm Beach Lakes Golf Course. The golf course was designated a brownfield by the State of Florida because the groundwater had become contaminated with arsenic after years of pesticide treatments. Using incentives offered through Florida's Brownfield Redevelopment Program, including an $800,000 revolving loan fund set up by the South Florida Regional Planning Council through EPA Region 4, the land was recycled into a valuable community asset and put to productive economic use that provided much-needed affordable housing.

Kimley-Horn completed the site assessment and remediation design for engineering and institutional controls to address soil, groundwater, and sediment arsenic impacts. The reports were approved by FDEP without comment. This was the first residential site in the State of Florida for which such engineering controls were approved. Kimley Horn also provided the site civil engineering, surveying, construction administration, and civil permitting services required to redevelop the site as a multifamily development. Completed in January 2005, Malibu Bay features 12 residential buildings, a tropical clubhouse, lakefront views, gated entry, pool, playground, fitness center, and children's activity center.

Client Contact:
Shawn Wilson, Housing Trust Group of Florida LLC, (561) 301-3132, shawnw@htgf.com

Walmart Auburndale

Auburndale Florida

Completed 2004

David Goldman, P.G., was the project manager for the assessment and remediation planning involved with the redevelopment of this former mine. The mine was originally operated in the 1960s but was subsequently filled with waste. The contaminants of concern at the site were primarily arsenic but also included a combination of contaminants from mining activities and solid waste. Kimley-Horn integrated the assessment and remediation of the site with the overall development as a "big box" retail center with a large stormwater pond. This included a plan for screening solid waste and off-site disposal of screened material. Other services included groundwater modeling to determine the effects of a stormwater pond upon known groundwater contamination, and site civil design permitting, surveying, and landscape architecture. This was also one of the first completed brownfield sites in the State of Florida.

Client Contact:
Michael Goldstein, Akerman Senterfitt, LLP, (305) 982-5570, mgoldstein@akerman.com

BrandsMart USA Brownfield Project

West Palm Beach, Florida

Completed 2001
Ongoing Groundwater Monitoring

Kimley-Horn provided site civil design, permitting, landscape architecture, site assessment and remediation design and planning for this 18-acre commercial development. Arsenic contamination was determined to be present during site construction. Because the site is adjacent to the drinking water source for the City of West Palm Beach, it was under consideration for placement on the National Priorities List (NPL) or Superfund.

The owner engaged Kimley-Horn to expedite site assessment and integrate any remediation with the construction. We used a combination of source removal and engineering and institutional controls to address the contamination on the site. We designed an approach that minimized interference with the construction of the retail center while providing protection to human health and the environment. We also prepared groundwater flow and contaminant transport models using MODFLOW to examine long-term effects of the proposed stormwater control system. In addition, we prepared a comprehensive, long-term Monitored Natural Attenuation (MNA) plan to observe the attenuation of arsenic over time.

Based on our modeling results, we redesigned the ponds to be lined and worked with the South Florida Water Management District to expedite the permits for that modification. Our expedited site assessment and remediation along with our integration with site civil design and permitting enabled us to still meet the original build-out date and receive a Certificate of Occupancy for the property. The site is currently under a groundwater monitoring plan.

Client Contact:
Jim Porter, Esq., James M. Porter, P.A., (786) 425-2299, JamesMPorterPA@aol.com

Wauchula EPA Brownfields Assessment Program Consulting

Wauchula, Florida

Ongoing program

Kimley-Horn was responsible for the establishment of a CRA within the City of Wauchula. During this process we recognized the need for Brownfield assessment funding for this small rural community in Hardee County. Kimley-Horn prepared the winning application for the City of Wauchula's EPA Assessment $400,000 Grant. The grant is for assessment of hazardous substances and petroleum contamination at various sites within the designated enterprise zone located within the City. Kimley-Horn was able to show how this rural agricultural-based community had specific needs that could be addressed through the EPA Brownfield Grant. The City won the grant on the first attempt and has one year remaining under the grant program. During implementation of the grant, a contaminated property requiring remediation was identified. Kimley-Horn was able to obtain an additional $105,000 in state and federal cleanup grants to pay for cleanup costs. Under the grant we have provided multiple services, including Phase I and Phase II Environmental Site Assessments (ESAs) at designated sites; preparation of site-specific Quality Assurance Project Plans (QAPP) and Health and Safety Plans (HASP) to meet EPA and FDEP standards; preparation of monthly and quarterly report documentation for submittal to EPA; Brownfield Site Rehabilitation Agreements (BSRAs) development and negotiations; and assistance with negotiating assessment requirements with the EPA and FDEP on behalf of the County. Additional services include community outreach/stakeholder involvement, risk assessment reporting, asbestos and lead-based paint surveys, and the generation of cleanup and redevelopment plans. To date, Kimley-Horn has completed two Phase I and two Phase II ESA reports, several quarterly reports, and public outreach meetings.

Client Contact:
City of Wauchula, Jessica Newman, CRA Director, (863) 767-4915, jnewman@cityofwauchula.com

Central Florida Regional Planning Council Heartland Brownfields Revitalization Partnership Coalition

Polk, Hardee, DeSoto, Highlands, and Okeechobee Counties, Florida

Ongoing project

Kimley-Horn is a consultant to the Central Florida Regional Planning Council concerning its Heartland Brownfields Revitalization Partnership Coalition Assessment Grant that was recently awarded by the EPA to assess hazardous substances and petroleum contamination within Polk County and the Cities of Fort Meade and Mulberry. For this contract, work is awarded on a task-based assignment schedule. The scope of work provided under this contract includes: generation of scope/fee and completion of Phase I and Phase II Environmental Site Assessments (ESAs) at designated sites; preparation of site-specific Quality Assurance Project Plans (QAPPs) and Health and Safety Plans (HASPs) to meet EPA and FDEP standards; preparation of monthly and quarterly report documentation for submittal to EPA; Brownfield Site Rehabilitation Agreements BSRA development and negotiations; and assisting with negotiating assessment requirements with the EPA on behalf of the CFRPC. Additional services include community outreach/stakeholder involvement, risk assessment reporting, asbestos and lead-based paint surveys, and the generation of cleanup and redevelopment plans. Kimley-Horn has provided all deliverables and services on time and within budget with no change orders.

Client Contact:
Central Florida Regional Planning Council, Helen Sears, Brownfields Project Manager, (863) 534-7130 ext. 124

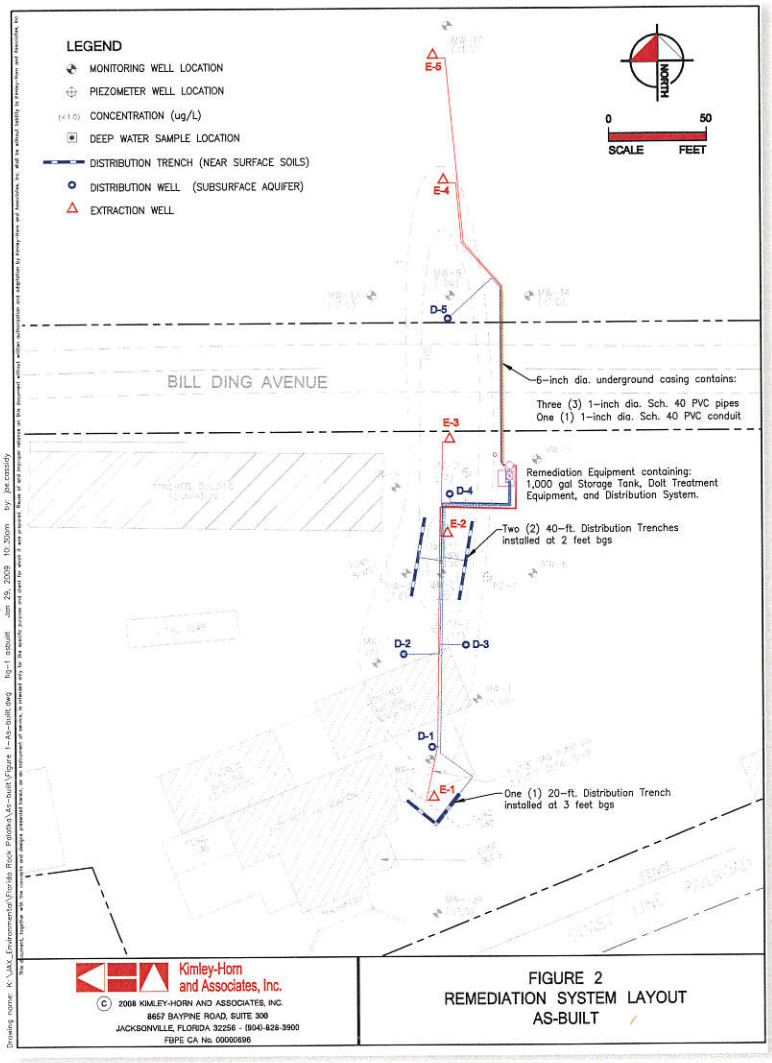
Florida Rock Đ Palatka

Palatka, Florida

On-going project

This site was a former concrete batch plant and block manufacturing facility. Petroleum impacts at the site resulted in large areas of soil and groundwater contamination. Kimley-Horn completed site assessment investigations and obtained FDEP approval of a Site Assessment Report Addendum and the Remedial Action Plan. After obtaining FDEP approvals, Kimley-Horn oversaw the implementation of a two-phase remediation plan, which included the excavation and proper disposal of high-impacted soil in the source area and the construction of an innovated enhanced bioremediation system to treat remaining soil and groundwater impacts.

The enhanced bioremediation system included the dissolved oxygen in-situ treatment (DO-ITTM) system. This system was selected because of its enhanced method for providing bacteria, oxygen, and nutrients simultaneously to areas of soil and groundwater contamination. The system uses proprietary biological products in combination with a specialized in-situ oxygenation equipment platform (Super-OxTM unit) that obtains rapid reductions of petroleum hydrocarbons including VOCs, PAHs and TPH. All of the components necessary for bioremediation, including enzymes, bacteria, nutrients, and an abundant supply of dissolved oxygen are provided. The system works by extracting groundwater and pumping it through the Super-OxTM treatment unit. The treated water becomes a carrier for high levels of dissolved oxygen, biological enhancements, and nutrients. The treatment water is then redistributed into the subsurface to enhance high rates of in-situ microbial degradation.



Kimley-Horn has monitored the remediation system and overseen modifications and improvements as the groundwater plume size and concentration was reduced. After two years of treatment, the site is now in the process of obtaining a Site Rehabilitation Completion Order from the FDEP. Project cost including assessment, remediation, obtaining brownfield designation, and submitting annual tax credit documentation and certifications is $320,000.

Client Contact:
Matthew C. McNulty, Southern Real Estate, (904) 858-9163 (direct); mmcnulty@patriottrans.com

SCHEDULE AND AVAILABILITY

Selecting the right Environmental Professional Consultant is perhaps the most critical element in this project's success. The City of Hollywood needs a consultant that can navigate the wide-ranging responsibilities and challenges presented by this project with a clear, visionary approach, as well as a proactive partner who is familiar with the local community and your goals. Kimley-Horn's longstanding experience with communities in South Florida provides you with unmatched service, responsiveness, and essential local knowledge. We at Kimley-Horn feel we would make a perfect partner for your professional environmental engineering services contract.

As project manager, **Brenda Westhorp, P.E.**, has direct responsibility for the performance of the firm on your assignments. She will be serving you from our Miami office, located less than 20 miles from the City of Hollywood, she is only a phone call and a short drive away. In fact, we have two South Florida offices located less than 30 minutes from your location. Brenda is committed to providing you with excellent client service. As project manager, her primary role is to ensure effective communication between your staff and our team. She has the resources of the entire company available to her, should your project goals require additional support. We will be responsive, readily available, and will aggressively examine ways to reduce costs as we work with you to define specific needs and implement sound planning and engineering solutions.

For each major task assigned, we will assemble a schedule that includes key milestone dates, develop planning approaches, explore potential cost-saving opportunities, launch designs, secure permits, and complete design efforts with plans and specifications for the City. This includes a series of meetings between the City and our team to ensure a level of comfort throughout the various project steps. This approach maintains a solid level of involvement with your staff and results in a development plan that exceeds your expectations. Our cost estimates are carefully based on current construction costs, which result in accurate and realistic budgets.

Workload and Availability

Kimley-Horn is very progressive when it comes to understanding its current workload and has a long history of achieving successful project completion through a combination of effective project management and technical expertise. Consequently, Kimley-Horn is committed to providing the City of Hollywood with the highest quality staff and service to meet your project schedule and budget requirements.

The members of our project team were selected using two criteria: (1) their experience with similar projects, and (2) their availability to assume major technical responsibilities within your project schedule. Kimley-Horn's proactive management system, known as "cast-aheads," is used to detail every project's personnel needs, as well as to determine each staff person's availability. By continuously matching project needs with staff availability, our cast-aheads system is an accurate tool for keeping our projects on schedule.

Based on a review of our cast-aheads, we can assure you that the staff members selected for this team are available immediately to serve you, and are in an excellent position to handle the workload of any assignment you wish to give us. In addition, we have strategically selected subconsultant partners with the technical capability and available resources to meet your needs.

Willingness to Meet Time and Budget

We recognize that budget and schedule control are critical to the success of your program. Meeting your schedule for deliverables is not just a goal to us—it is a mandate. A project schedule is a road map guiding us to a goal, completion of a project by a certain date. But experience has shown that no matter how carefully we plan, things can change. How successfully we adapt to those changes is in part a result of how well we manage our resources and understand the demands on them, both internal and external. Kimley-Horn has a track record of successfully completing projects on or ahead of schedule and within budget. This success is due, in part, to each project's schedule and budget being aggressively communicated to the project team by the project manager. Kimley-Horn takes pride in evaluating any unanticipated obstacles and making informed recommendations to overcome them before they impact the project's schedule and budget.

In addition to our proactive communication, Kimley-Horn uses a work plan tool for organizing individual project tasks by phase and discipline. The anticipated labor effort is then summarized in a matrix that forms the basis for establishing and tracking the project budget. We track the budget on a percent-complete basis in order to measure performance during each accounting report period. Project budget status reports are accessible via our intranet.

The work plan is also the tool for establishing staffing for each project and identifying the anticipated labor requirements of each phase. The work plan is reviewed frequently throughout the project and is used in conjunction with our in-house "cast-ahead" process to forecast project workloads. This program requires project managers to forecast, on a weekly basis, their staffing needs for the ensuing week. This "cast-ahead" process is followed by a weekly conference call among company resource managers to identify who is overloaded and who needs work. Resources are reallocated on a weekly basis as needed to meet client schedules.

A similar process is conducted monthly as project managers forecast their resource needs during the next six months. This information is used to assess hiring needs. Conducted throughout the entire 2,200-person firm, these extra efforts are performed to make sure our project managers have the resources they need to meet our clients' needs.

REFERENCES

Kimley-Horn is proud of the relationships we have developed with our clients, and much of our success over the last four decades is directly related to our efforts to perform high quality, timely services for all of our clients. We invite you to contact our references; these individuals will tell you that we listened to their needs, met their schedules, accomplished their missions, and delivered results.

City of Wauchula Florida

Contact Person:	Jessica Newman, CRA Director
Address:	107 E. Main Street, P.O. Box 1162, Wauchula, FL 33873
Phone:	(863) 767-0330
Email:	jnewman@cityofwauchula.com
Projects:	Wauchula Brownfield Assessment Grant and 226 West Main Street Site

Goldstein Environmental Law Firm and Five-Term Former President of Florida Brownfield Association

Contact Person:	Michael Goldstein, Esq.
Address:	One SE Third Avenue, Suite 2120, Miami, FL 33131
Phone:	(305) 777-1682
Email:	mgoldstein@akerman.com
Projects:	Collaborated on more than 20 Brownfield sites in Florida

Formerly with Midtown Equities LLC, now with the University of Texas

Contact Person:	Bruce Cutright, P.G.
Address:	University of Texas at Austin, University Station, Box X, Austin, TX 78713-8924
Phone:	(512) 232-0775
Email:	bruce.cutright@beg.utexas.edu
Projects:	Midtown Miami Project

Hollywood Beach CRA

Contact Person:	Susan Goldberg, Deputy Director
Address:	330 N. Federal Highway, Hollywood, FL 33020
Phone:	(954) 921-3900
Email:	SGOLDBERG@hollywoodfl.org
Projects:	Transportation Plan, Broadwalk Design and Gateway Features Development Study, Dixie Highway/21st Avenue Corridor Redesign Concept and Mobility Study, and US 1 Corridor Study

Project Manager Reference

Miami-Dade Public Works and Waste Management Department

Contact Person:	Asok Ganguli P. E., Assistant Director Technical Services
Address:	Dr. Martin Luther King Jr. Office Plaza, 2525 NW 62nd Street, 5th Floor, Miami, FL 33147
Phone:	(305) 514-6687
Email:	asok@miamidade.gov
Projects:	South Dade Landfill Cell 3 Closure and Cell 5 Construction

HOLLYWOOD
Like Nowhere Else!

Environment Engineering Services
RFQ-4427-14-IS

ADMINISTRATIVE INFORMATION

Kimley»Horn

ARCHITECT – ENGINEER QUALIFICATIONS

PART I – CONTRACT SPECIFIC QUALIFICATIONS

A. CONTRACT INFORMATION

1. TITLE AND LOCATION *(City and State)*
Hollywood Environment Engineering Services

2. PUBLIC NOTICE DATE
July 18, 2014

3. SOLICITATION OR PROJECT NUMBER
RFQ-4427-14-IS

B. ARCHITECT – ENGINEER POINT OF CONTACT

4. NAME AND TITLE
Brenda Westhorp, P.E., Project Manager

5. NAME OF FIRM
Kimley-Horn and Associates, Inc.

6. TELEPHONE NUMBER
(305) 673-2025

7. FAX NUMBER
(561) 863-8175

8. E-MAIL ADDRESS
brenda.westhorp@kimley-horn.com

C. PROPOSED TEAM

(Complete this section for the prime contractor and all key subcontractors.)

	(Check) PRIME	(Check) J-V PARTNER	(Check) SUBCON-TRACTOR	9. FIRM NAME	10. ADDRESS	11. ROLE IN THIS CONTRACT
a.	X			Kimley-Horn and Associates, Inc. [X] CHECK IF BRANCH OFFICE	1221 Brickell Avenue, Suite 400 Miami, FL 33131	Project management, environmental services, land development
b.	X			Kimley-Horn and Associates, Inc. [X] CHECK IF BRANCH OFFICE	600 North Pine Island Road, Suite 450 Plantation, FL 33324	Land development
c.	X			Kimley-Horn and Associates, Inc. [X] CHECK IF BRANCH OFFICE	8657 Baypine Road, Suite 300 Jacksonville, FL 32256	Technical advisor, environmental, brownfield services and funding
d.	X			Kimley-Horn and Associates, Inc. [X] CHECK IF BRANCH OFFICE	2601 Cattlemen Road Suite 500 Sarasota, FL 34232	Planning and public outreach
e.			X	Gibbs Land Surveyors, Inc. CHECK IF BRANCH OFFICE	2131 Hollywood Boulevard, Suite 204 Hollywood, FL 33020	Site surveying
f.			X	Geosyntec Consultants CHECK IF BRANCH OFFICE	1200 Riverplace Boulevard Suite 710 Jacksonville, FL 32207	Geotechnical
g.			X	Pace Analytical Labs CHECK IF BRANCH OFFICE	3610 Park Central Blvd. N Pompano Beach, FL 33064	Testing lab
h.			X	Earth Tech Drilling CHECK IF BRANCH OFFICE	2703 NW 19th St. Pompano Beach, FL 33069	Environmental drilling

D. ORGANIZATIONAL CHART OF PROPOSED TEAM **[X]** *(Attached)*

Kimley»Horn

HOLLYWOOD
Like Nowhere Else!

Project Manager
Brenda Westhorp, P.E.

Technical Advisory Group
Juan Jimenez, P.E.
Richard Tenn
David Goldman, P.G.

Environmental Services
Brenda Westhorp, P.E.
David Goldman, P.G.
Jason Sheasley, P.G.
Leah Zihlman, CHMM

Brownfield Services and Funding
David Goldman, P.G.

Land Development
Juan Jimenez, P.E.
Jorge Fernandez, P.E.
Richard Tenn

Planning and Public Outreach
Bill Waddill, RLA, AICP

Site Surveying
Stephen Seeley, PSM
Stephen Gibbs, PSM
Mark Berry, PSM
Gibbs Land Surveyors, Inc.

Geotechnical
Daniel Schauer, P.G.
Juan Quiroz, Ph.D., P.E.
Kwasi Badu-Tweneboah, P.E.
Geosyntec Consultants

Testing Lab
Christina Raschke
Terrence Anderson
Jeff Baylor
Bob Dempsey
Pace Analytical Labs

Environmental Drilling
Paul Lemenze
Michael Orlando
Jason Oliver
Earth Tech Drilling

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Brenda Westhorp, P.E.	Project Manager	30	0

15. FIRM NAME AND LOCATION *(City and State)*
Kimley-Horn and Associates, Inc., Miami, FL

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
Master / Environmental Engineering / University of Central Florida / 1990	FL / Professional Engineer / 42801 / 1990 TX / Professional Engineer / 85889 / 1999

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*
South Dade Landfill Design, Miami-Dade Department of Solid Waste, Miami-Dade County, FL

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*
Ongoing	

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

Check if project performed with current firm

Principal-in-Charge of a $4.9-million design services contract for the South Dade Landfill in Miami-Dade County. This multi-year contract will provide planning, design, permitting, and construction services for a new cell and closure of an existing one. Total construction costs for both projects are in excess of $20 million and involve multiple disciplines. Construction costs: approximately $25 million.

b.

(1) TITLE AND LOCATION *(City and State)*
Landfill and Solid Waste Engineering Contract, Miami-Dade Department of Solid Waste, Miami-Dade County, FL

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*
2007	

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

Check if project performed with current firm

Principal-in-Charge of a $1.3-million landfill and solid waste engineering contract. Responsible for the preparation of request for bid documents for design/build projects in excess of $2-million, design of transfer station improvements, and review of financial documentation in support of grant funding for landfill closure. Project manager for the closure design and permitting of Cells 17 and 18 ash monofill at the County's 3,000-ton per day resource recovery facility. Firm fee: $575,000; construction costs: approximately $5 million.

c.

(1) TITLE AND LOCATION *(City and State)*
South Dade Landfill (SDLF) Cell 6 Feasibility Study Miami-Dade County, FL

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*
2007	

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

Check if project performed with current firm

Principal-in-Charge for this feasibility study for the Miami-Dade County Department of Solid Waste Management. The project objective was to identify options for the lateral expansion of the South Dade Landfill. This would provide additional capacity in the northern portion of the SDLF. The project team evaluated various landfill configurations on the basis of cost and other factors. The recommended alternative will provide the most cost-effective increase in capacity for the SDLF. Firm fee: $50,000.

d.

(1) TITLE AND LOCATION *(City and State)*
North Dade Landfill West Cell Closure Construction Miami-Dade County, FL

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*
1997	

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

Check if project performed with current firm

As project engineer, was the resident engineer during the construction of this $4.5 million project which included a compacted limerock cap, new landfill gas wells, and stormwater system improvements for a 70-acre area of the North Dade Landfill in Miami-Dade County. Provided support services to the Miami-Dade County Department of Solid Waste Management including construction inspection, review of submittals, attendance at weekly meetings, and certification of project completion. Firm fee: $200,000.

e.

(1) TITLE AND LOCATION *(City and State)*
N.W. 58th Street Landfill Closure Miami-Dade County, FL

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*
1991	

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

Check if project performed with current firm

Lead Design Engineer. This project involved the closure of a one-square-mile EPA Superfund site for Metropolitan Miami-Dade County. Participated in all aspects of the closure process, including a data acquisition program that was designed to define the water quality leaving the site. Developed various closure alternatives for groundwater modeling and utilized the modeling results to screen the alternatives; estimated probable cost of alternatives and prepared a closures alternatives evaluation report and technical memorandums for final design of closure for the site including landfill gas control, cover alternatives, leachate mass balance analysis, and project summary narrative. Also prepared final construction documents, including plans and specifications for site grading and placement of a synthetic cover system on a portion of the site. Firm fee: $1 million; construction costs: $25 million.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
Juan Jimenez, P.E.	Technical Advisory Group; Land Development	a. TOTAL: 19	b. WITH CURRENT FIRM: 13

15. FIRM NAME AND LOCATION *(City and State)*
Kimley-Horn and Associates, Inc., Miami, FL

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
Bachelor of Science / Civil Engineering / Florida International University / 1993	FL / Professional Engineer / 56704 / 2001

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*
Midtown Miami, Brownfield Site Redevelopment
Miami, FL

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2007 | CONSTRUCTION *(If Applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Served as project engineer for assessment and remediation of this 56-acre Brownfield, which has now become the largest redevelopment project in the City of Miami. The site was a 100-year-old FEC rail yard with contaminants ranging from petroleum hydrocarbons to metals. The remediation activities were integrated into the site overall development plan to reduce cleanup costs by millions of dollars while allowing for the full development of the property. The site received an SRCO in 2006. In addition, Kimley-Horn designed all public infrastructure, including roadways and utilities, and has provided traffic, landscape architecture, and urban planning services for Midtown Miami. Total project cost: $650 million; firm fee: $3.5 million.

b.

(1) TITLE AND LOCATION *(City and State)*
Resorts World Miami (former Miami Herald site)
Miami, FL

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: Ongoing | CONSTRUCTION *(If Applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Member of the team that is providing site/civil engineering, environmental, and ongoing traffic engineering services for the 14-acre bayfront site that previously housed the Miami Herald newspaper. The proposed project includes four new hotels and two residential towers; a luxury retail galleria; a 3.6-acre rooftop lagoon and natural sand beach; more than 50 restaurants, lounges, bars, and nightclubs; a high-tech multimedia entertainment area showcasing the music and culture of Florida and South America; and 700,000 square feet of convention and meeting space. The resort will help develop the three-mile BayWalk, which highlights a 150-acre leisure and entertainment area in downtown Miami. Total contract value: $4.2 million.

c.

(1) TITLE AND LOCATION *(City and State)*
Flamingo South Beach (aka Grand Flamingo)
Miami Beach, FL

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2008 | CONSTRUCTION *(If Applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Served as project engineer. Kimley-Horn was hired to create a new identity for the conversion of three condominium towers on South Beach through the redesign of the common spaces. This project was a combination of working with existing conditions while infusing the site with new and fresh design concepts and characteristics that set it apart from other condos on Miami Beach. Kimley-Horn was involved with the entire design process from concept to permitting and construction administration. This project was highly specialized and extremely fast paced. Our team not only served as the landscape architect, but also provided civil engineering, structural engineering, and traffic studies, as well as environmental studies and engineering for the conversion. Firm fee: $694,877.

d.

(1) TITLE AND LOCATION *(City and State)*
Brickell City Centre
Miami, FL

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: Ongoing | CONSTRUCTION *(If Applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Serving as QA/QC reviewer and involved with team coordination efforts for this project. The proposed development includes 830 residential units, a 290-room hotel, and 906,463 square feet of office of which 95,117 square feet will serve as medical office. The development will also include 535,300 square feet of retail of which 142,000 square feet will serve as entertainment uses such as a nightclub, cinema, and a bowling alley. Kimley-Horn is providing civil engineering, traffic engineering, roadway design, transit engineering, and construction phase services for the site. Firm fee: $841,772.

e.

(1) TITLE AND LOCATION *(City and State)*
Faena Miami Beach
Miami Beach, FL

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: Ongoing | CONSTRUCTION *(If Applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Serving as QA/QC reviewer for the Kimley-Horn team that is providing civil and traffic engineering services for this mixed-use project located on eight city blocks. The project involves renovations and improvements to the existing historic Saxony, Versailles, and Atlantic hotels, which were originally completed in the 1940s. As part of the new Faena District, the project also includes construction of five condominium buildings, an underground parking garage, event space, and two separate amenity decks to serve the hotel and condo towers. Our services include due diligence; schematic design; landscape architecture; permitting through the City of Miami Beach WASD and DERM, FDOT, FDEP, and SFWMD; preparation of contract documents; and construction phase assistance. Total project cost: $350 million; firm fee: $306,400.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
Richard Tenn	Technical Advisory Group; Land Development	a. TOTAL: 8	b. WITH CURRENT FIRM: 8

15. FIRM NAME AND LOCATION *(City and State)*
Kimley-Horn and Associates, Inc., Plantation, FL

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
Bachelor of Science / Civil Engineering / Florida International University / 1993	

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*
TD Bank (formerly Commerce Bank)
Miami-Dade, Broward, and Palm Beach Counties, FL

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES: 2009	CONSTRUCTION *(If Applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Task manager for the Kimley-Horn team that has provided a range of transportation planning, traffic engineering, environmental design, landscape design, and site civil services for this retail bank program in Florida. The firm has investigated more than 300 South Florida locations, and designed and permitted more than 60 sites. Many locations were developed on sites with contamination from previous gas station use. Fees vary by location.

b.

(1) TITLE AND LOCATION *(City and State)*
NPDES Stormwater Permit Dry Weather Field Screening
Miami, FL

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES:	CONSTRUCTION *(If Applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Responsible for field testing of environmental and physical parameters such as total dissolved solids, temperature, pH. Performed colorimetric analyses using CHEMetrics field test kits to measure chlorine, copper, phenols, and detergents. Conducted flow rate estimation and documented the presence of observed odors, such as chlorine, gasoline, rotten eggs, and sewage. Collected, stored, and transported additional water samples in accordance with established industry standards for the laboratory analyses.

c.

(1) TITLE AND LOCATION *(City and State)*
North Miami Continuing Professional A&E Services
North Miami, FL

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES: Ongoing	CONSTRUCTION *(If Applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

The Kimley-Horn team was selected in 2012 to provide professional services on a variety of municipal projects for the City of North Miami. The contract includes engineering services for civil/environmental, planning and urban design, traffic engineering, transportation consulting, and water resources/water supply. Our services to-date includes the design of forcemain transmission piping. As project engineer, responsibilities include site visits, data collection, permitting, layout design, and cost estimating. Firm fee: $199,755.

d.

(1) TITLE AND LOCATION *(City and State)*
Faena Miami Beach
Miami Beach, FL

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES: Ongoing	CONSTRUCTION *(If Applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Serving as project engineer for this mixed-use project, which involves renovations and improvements to the existing historic hotel building, the construction of a brand new condominium tower, an underground parking garage, and two separate amenity decks to serve the hotel and condominium towers. Kimley-Horn is providing civil engineering services, including due diligence, contract documents, permitting (City of Miami Beach WASD and DERM, FDOT, FDEP, SFWMD), and construction phase assistance. Total project cost: $350 million; firm fee: $306,400.

e.

(1) TITLE AND LOCATION *(City and State)*
Cheddar's American Café
Wellington, FL

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES:	CONSTRUCTION *(If Applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Serving as project engineer and assisting with site planning and permitting for a restaurant site in Palm Beach County. The scope of work included site plan approval and paving, grading and drainage design, right and left turn lane design and permitting through Florida Department of Transportation (FDOT).

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
David Goldman, P.G.	Technical Advisory Group; Environmental; Brownfield Services and Funding	25	14

15. FIRM NAME AND LOCATION *(City and State)*
Kimley-Horn and Associates, Inc., Jacksonville, FL

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
Master of Science / Geology / University of Florida / 1989 Bachelor of Science / Geology / University of Florida / 1985	FL / Professional Geologist / 1573 / 1993 GA / Professional Geologist / 902 / 1991 NC / Professional Geologist / 1225 / 1993

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*
Midtown Miami, Brownfield Site Redevelopment
Miami, FL

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*
2007	

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Served as project manager for assessment and remediation of this 56-acre Brownfield, which has now become the largest redevelopment project in the City of Miami. The site was a 100-year-old FEC rail yard with contaminants ranging from petroleum hydrocarbons to metals. The remediation activities were integrated into the site overall development plan to reduce cleanup costs by millions of dollars while allowing for the full development of the property. The site received an SRCO in 2006. In addition, Kimley-Horn designed all public infrastructure, including roadways and utilities, and has provided traffic, landscape architecture, and urban planning services for Midtown Miami. Total project cost: $650 million; firm fee: $3.5 million.

b.

(1) TITLE AND LOCATION *(City and State)*
Jaxson Brown/HASSCO Rehabilitation Brownfield Site
Jacksonville, FL

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*
2007	

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project manager for the development of this Brownfield site that was operated as a landfill in the 1970s. Kimley-Horn developed a plan to address environmental concerns such as groundwater and soil impacts, along with wetland encroachment, while still devising a plan for useful land development. We reduced the potential for environmental impacts by preparing a plan to develop the property with minimal impact to existing subsurface waste, thereby creating a "win-win" situation for both FDEP and the client. We developed contamination assessment plans and implemented assessment activities for the former landfill. We also completed contamination assessment reports; negotiated with FDEP on assessment and monitoring activities; prepared the solid waste permit, environmental resource permit, and stormwater application for review by FDEP. Firm fee: $86,556.

c.

(1) TITLE AND LOCATION *(City and State)*
Walmart on Philips Highway (Clinton) Brownfield Site
Jacksonville, FL

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*
2009	

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project manager for the redevelopment of a 30-acre, Brownfield site in Jacksonville. Approximately 60,000 yards of waste and contaminated soil were located on the property. Groundwater impacts were identified as related to waste on the site and impacts were also identified in association with nine underground storage tanks. Kimley-Horn developed a combined document that provided a complete assessment and remediation plan for the site. The document was approved by FDEP with no comments. Kimley-Horn prepared a waste excavation and disposal plan for site activities and a dewatering plan to be implemented during construction. In addition, we completed a model to simulate the effects of the proposed stormwater ponds on the site relative to the known groundwater contaminant plumes. The project is considered a major success by FDEP and is used as an example of how to deal with waste on a non-permitted site during construction. Firm fee: $250,000.

d.

(1) TITLE AND LOCATION *(City and State)*
Resorts World Miami (former Miami Herald site)
Miami, FL

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*
Ongoing	

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Member of the team that is providing site/civil engineering, environmental, and ongoing traffic engineering services for the 14-acre bayfront site that previously housed the Miami Herald newspaper. The proposed project includes four new hotels and two residential towers; a luxury retail galleria; a 3.6-acre rooftop lagoon and natural sand beach; more than 50 restaurants, lounges, bars, and nightclubs; a high-tech multimedia entertainment area showcasing the music and culture of Florida and South America; and 700,000 square feet of convention and meeting space. The resort will help develop the three-mile BayWalk, which highlights a 150-acre leisure and entertainment area in downtown Miami. Total contract value: $4.2 million.

e.

(1) TITLE AND LOCATION *(City and State)*
Wauchula EPA Brownfields Assessment Program Consulting
Wauchula, FL

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*
Ongoing	

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Kimley-Horn's scope of work includes completion of Phase I and Phase II ESAs; preparation of site-specific Quality Assurance Project Plans and Health and Safety Plans; preparation of monthly and quarterly reports for submittal to EPA; Brownfield Site Rehabilitation Agreements development and negotiations; and assisting with negotiating assessment requirements with the EPA and FDEP on behalf of the County. Additional services include community outreach, risk assessment reporting, asbestos and lead-based paint surveys, and the generation of cleanup and redevelopment plans. Firm fee: $288,491.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
Jason Sheasley, P.G.	Environmental Services	a. TOTAL: 22	b. WITH CURRENT FIRM: 11

15. FIRM NAME AND LOCATION *(City and State)*
Kimley-Horn and Associates, Inc., Jacksonville, FL

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
Bachelor of Science / Earth and Environmental Science / Wilkes University (Pennsylvania) / 1993	FL / Professional Geologist / 2236 / 2002 NC / Professional Geologist / 2207 / 2009

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*
Midtown Miami Brownfield Redevelopment
Miami, FL

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2007 | CONSTRUCTION *(If Applicable)*:

[X] Check if project performed with current firm

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

Senior hydrologist for the site assessment activities conducted on the 56-acre site that formerly operated as a railroad yard. Supervised and documented soil and groundwater sampling activities. Assisted in the development of remedial strategies to address the environmental concerns associated with the site. These strategies were incorporated into the multi-million dollar brownfield redevelopment of the site. Remedial strategies were developed to reduce the potential for environmental impact and human exposure while allowing for the beneficial development of the site. Completed site assessment reports, remedial action plans, and engineering evaluation and cost analysis for the site. Assisted in preparation of the Brownfield site rehabilitation agreement for the subject site. Total project cost: $650 million; firm fee: $3.5 million.

b.

(1) TITLE AND LOCATION *(City and State)*
Resorts World Miami (former Miami Herald site)
Miami, FL

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: Ongoing | CONSTRUCTION *(If Applicable)*:

[X] Check if project performed with current firm

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

Member of the team that is providing site/civil engineering, environmental, and ongoing traffic engineering services for the 14-acre bayfront site that previously housed the Miami Herald newspaper. The proposed project includes four new hotels and two residential towers; a luxury retail galleria; a 3.6-acre rooftop lagoon and natural sand beach; more than 50 restaurants, lounges, bars, and nightclubs; a high-tech multimedia entertainment area showcasing the music and culture of Florida and South America; and 700,000 square feet of convention and meeting space. The resort will help develop the three-mile BayWalk, which highlights a 150-acre leisure and entertainment area in downtown Miami. Total contract value: $4.2 million.

c.

(1) TITLE AND LOCATION *(City and State)*
Jaxson Brown/HASSCO Rehabilitation Brownfield Site
Jacksonville, FL

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2007 | CONSTRUCTION *(If Applicable)*:

[X] Check if project performed with current firm

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

Member of the Kimley-Horn team for assessment activities at this Brownfield site that was operated as a landfill in the 1970s. The site was an abandoned property and the landfill cap was extensively breached when originally purchased by client. Kimley-Horn developed a plan to address environmental concerns such as groundwater and soil impacts, along with wetland encroachment, while still devising a plan for useful land development. We reduced the potential for environmental impacts by preparing a plan to develop the property with minimal impact to existing subsurface waste, thereby creating a "win-win" situation for both FDEP and the client. Firm fee: $86,556.

d.

(1) TITLE AND LOCATION *(City and State)*
Wal-Mart, Philips Highway (Clinton)
Jacksonville, FL

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2009 | CONSTRUCTION *(If Applicable)*:

[X] Check if project performed with current firm

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

Member of the Kimley-Horn team responsible for redevelopment of a 30-acre Brownfield site in Jacksonville. Approximately 60,000 yards of waste and contaminated soil were located on the property. Groundwater impacts were identified as related to waste on the site and impacts were also identified in association with nine underground storage tanks. Developed a combined document that provided a complete assessment and remediation plan for the site. The document was approved by the Florida Department of Environmental Protection (FDEP) with no comments. Kimley-Horn prepared a waste excavation and disposal plan for site activities and a dewatering plan to be implemented during construction. In addition, Kimley-Horn completed a MODFLOW/MT3D model to simulate the effects of the proposed stormwater ponds on the site relative to the known groundwater contaminant plumes. The project is considered a major success by FDEP Northeast District and is used as an example of how to deal with waste on a non-permitted site during construction. Firm fee: $250,000.

e.

(1) TITLE AND LOCATION *(City and State)*
Office Depot, Inc.
Delray Beach, FL

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: | CONSTRUCTION *(If Applicable)*:

[X] Check if project performed with current firm

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

Conducted site assessment to evaluate localized soil and groundwater quality. Initiated interim source removal to remove contaminated material from the site. Developed a remedial action plan to address localized groundwater contamination. Prepared and submitted documentation to regulatory agency. Kimley-Horn provided assessment and remediation services for a contaminated site under Chapter 62-780, FAC.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Leah Zihlman, CHMM	Environmental Services	5	2

15. FIRM NAME AND LOCATION *(City and State)*
Kimley-Horn and Associates, Inc., Jacksonville, FL

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
Bachelor of Science / Environment and Natural Resources / Ohio State University / 2007	Hazardous Materials Mgr / 16409 / 2013

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*
Resorts World Miami (former Miami Herald site)
Miami, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: Ongoing
CONSTRUCTION *(If Applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Member of the Kimley-Horn team responsible for conducting environmental site assessment and potential remediation planning of a nine-parcel site, including contaminant delineation, water quality evaluation, and quarterly groundwater monitoring. Kimley-Horn is providing site/civil engineering, environmental, and ongoing traffic engineering services for the 14-acre bayfront site that previously housed the Miami Herald newspaper at 1 Herald Plaza in Miami. The proposed project includes four new hotels and two residential towers; a luxury retail galleria; a 3.6-acre rooftop lagoon and natural sand beach; more than 50 restaurants, lounges, bars, and nightclubs; a high-tech multimedia entertainment area showcasing the music and culture of Florida and South America; and 700,000 square feet of convention and meeting space. The resort will help develop the three-mile BayWalk, which highlights a 150-acre leisure and entertainment area in downtown Miami. Total contract value: $4.2 million.

b.

(1) TITLE AND LOCATION *(City and State)*
Walmart Stores
Statewide, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: Ongoing
CONSTRUCTION *(If Applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Analyst on the Kimley-Horn team responsible for conducting Phase I and II environmental site assessments, source removal, groundwater monitoring, and site remediation at numerous locations in Florida, including sites in Tampa, Port Richey, Pompano Beach, Delray Beach, Opa-Locka, Hollywood, Largo, Fort Myers (Iona), Holiday, and Miramar. Common identified issues of concern included pesticide and arsenic contamination, muck and wetlands, and former industrial/commercial sites with solvent and petroleum contamination. Fees vary per location.

c.

(1) TITLE AND LOCATION *(City and State)*
South Florida Regional Transportation Authority (SFRTA) General Planning Consultant, Palm Beach, Broward, and Miami-Dade Counties, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: Ongoing
CONSTRUCTION *(If Applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Serves as project analyst; recently involved with preparation of environmental site assessment reports. Kimley-Horn serves as a general planning consultant to the SFRTA, which operates the Tri-Rail commuter rail service between West Palm Beach and Miami. Tri-Rail is the only existing commuter rail service in Florida. Team responsibilities include short- and long-range transportation planning, facilities planning and development, alternative analyses and major investment studies, station area/transit-oriented development and oversight, financial planning and analysis, environmental analysis, and conceptual site planning. Total project cost: $5 million; firm fee: $750,000.

d.

(1) TITLE AND LOCATION *(City and State)*
New Smyrna Beach Environmental Assessment and Characterization Services (Brownfields), New Smyrna Beach, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2012
CONSTRUCTION *(If Applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Serving as project analyst. Kimley-Horn is providing Phase I and Phase II ESAs, as well as remediation planning services under a 2009 EPA community-wide assessment grant for $400,000 awarded to the City and its CRA. Our services include preparation of site-specific quality assurance project plans, health and safety plans, and evaluation of analyses of Brownfield cleanup alternatives for sites selected by the City. Total contract value: $259,380.

e.

(1) TITLE AND LOCATION *(City and State)*
Miami River-Miami Intermodal Center Capacity Improvement (MR-MICCI), Miami, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: Ongoing
CONSTRUCTION *(If Applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Serving as analyst. This project will provide additional mainline track(s) within the South Florida Rail Corridor from just north of the Tri-Rail Hialeah Market Station to the Tri-Rail Miami Airport Station, which in the future will be accommodated within the Miami Intermodal Center's (MIC's) Miami Central Station (MCS). The project will also include a new bridge across the Miami River to accommodate the additional mainline track(s). The project is integrating the National Environmental Policy Act (NEPA) requirements into the Alternatives Analysis (AA) process. The Federal Transit Administration (FTA) is serving as the lead federal agency and the project is anticipating advancing as a project that could fall within the defined funding under the FTA's Small Starts or Very Small Starts programs. Total contract value: $450,847.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Jorge Fernandez, P.E.	Land Development	11	11

15. FIRM NAME AND LOCATION *(City and State)*
Kimley-Horn and Associates, Inc., Miami, FL

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
Bachelor of Science / Civil Engineering / Florida International University / 2004	FL / Professional Engineer / 71682 / 2010

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*
Midtown Miami Brownfield Redevelopment
Miami, FL

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*
2007	

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Provided utility profiling and coordination, permit scheduling, site inspection and calculations, water and sewer design, Community Development District reports, drainage report and exhibits, OPC, zoning approval, capital improvements, public right-of-way improvements, sight triangulation, environmental restoration analysis, shop drawing reviews for this large redevelopment project. Total project cost: $650 million; firm fee: $3.5 million.

b.

(1) TITLE AND LOCATION *(City and State)*
NW 37th Avenue Water and Sewer Improvements
Miami-Dade County, FL

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*
Ongoing	

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project engineer. This project is part of the Miami-Dade Water and Sewer Department's (MDWASD) "Needs Assessment Program" (NAP). It consisted of the preparation of a technical memorandum to evaluate alternatives and recommend improvements within a 2,000-acre area of unincorporated Miami-Dade County that had little or no existing water and sewer infrastructure. The scope of services included data collection; site investigations; and researching utility billing records to identify properties currently without water and sewer service or being served by the City of Hialeah. Other tasks performed included environmental site assessments, researching right-of-way availability, coordination with regulatory agencies and stakeholders, future demand projections, hydraulic modeling to identify system deficiencies and the development of alternatives to meet current and future potable service and fire protection demands. Kimley-Horn delivered a Technical Memorandum to MDWASD containing all findings and recommendations for implementation of improvements. Total project cost: $9.5 million; firm fee: $669,429.

c.

(1) TITLE AND LOCATION *(City and State)*
Terrazas RiverPark Village
Miami, FL

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*
2007	

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Located in the City of Miami, this project consists of two high-rise towers featuring beautiful views of the Miami River and Sewell Park, a 10-acre city park. Originally, this site consisted of a condemned hospital and many large trees. Served as project analyst, provided utility coordination and performed the site utility study for this urban residential development. Firm fee: $83,250.

d.

(1) TITLE AND LOCATION *(City and State)*
Hialeah Park Development of Regional Impact (DRI)
Hialeah, FL

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*
2008	

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Served as RAC/UCBD scheduler and provided civil coordination. Kimley-Horn provided entitlement services, including DRI, comprehensive plan amendment, rezoning, and master planning for the redevelopment of Hialeah Park. Hialeah Park is a 202-acre, former horse racing facility that first opened in 1926. The redeveloped site is expected to include 3,760 residential units, retail and office space, a town center, school, and several parks and urban plazas. For future portions of the project, Kimley-Horn will provide civil engineering, urban design, landscape architecture, planning, and project management services. Firm fee: $175,000.

e.

(1) TITLE AND LOCATION *(City and State)*
Faena Miami Beach
Miami Beach, FL

(2) YEAR COMPLETED	
PROFESSIONAL SERVICES	CONSTRUCTION *(If Applicable)*
Ongoing	

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Serving as program manager for the Kimley-Horn team that is providing civil and traffic engineering services for this mixed-use project located on eight city blocks. The project involves renovations and improvements to the existing historic Saxony, Versailles, and Atlantic hotels, which were originally completed in the 1940s. As part of the new Faena District, the project also includes construction of five condominium buildings, an underground parking garage, event space, and two separate amenity decks to serve the hotel and condo towers. Our services include due diligence; schematic design; landscape architecture; permitting through the City of Miami Beach WASD and DERM, FDOT, FDEP, and SFWMD; preparation of contract documents; and construction phase assistance. Total project cost: $350 million; firm fee: $306,400.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
Bill Waddill, RLA, AICP	Planning and Public Outreach	a. TOTAL: 28	b. WITH CURRENT FIRM: 27

15. FIRM NAME AND LOCATION *(City and State)*
Kimley-Horn and Associates, Inc., Sarasota, FL

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
Bachelor of Science / Landscape Architecture / Texas A&M University / 1986	Amer Instit Cert Planners / 023348 / 2009 FL / Registered Landscape Architect / 1345 / 1989

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*
Hollywood Beach CRA Transportation Plan
Hollywood, FL

(2) YEAR COMPLETED: PROFESSIONAL SERVICES: 2002 | CONSTRUCTION *(If Applicable)*: 2002

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Working intensely with a team of stakeholders, City staff planners, architects, landscape architects, and engineers, Kimley-Horn collaborated with Glatting Jackson in 2002 to develop a transportation and revitalization plan for the City of Hollywood Beach CRA District, an area that wished to retain and enhance its rich and vibrant past to become an attractive mixed-use village, and to make its beach a tourist destination. The study area included the Broadwalk, Surf Road, A1A, and Hollywood Boulevard. The theme for the revitalization area became the friendly, charming beachside village that enjoyed popularity in the '40s, '50s, and '60s. Total project cost: $27 million, firm fee: $60,000.

b.

(1) TITLE AND LOCATION *(City and State)*
Broadwalk Design and Gateway Features Development Study
Hollywood, FL

(2) YEAR COMPLETED: PROFESSIONAL SERVICES: 2003 | CONSTRUCTION *(If Applicable)*: 2003

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Principal-in-charge for the Kimley-Horn team that developed a Master Plan for the restoration and enhancement of the historic Hollywood Beach Broadwalk. The design for this 10,000± LF promenade along the beach took inspiration from the Broadwalk's rich and vibrant history and incorporated enhancements focused on reinforcing Hollywood Beach as an attractive mixed-used village and tourist beach destination. Special consideration was given to the creation of design elements that "gestured" to the compelling history of the Broadwalk while meeting the functional, environmental, and sustainability requirements of this heavily used oceanfront amenity. Served on the selection committee that ultimately selected the Construction Manager at Risk for implementation. Total project cost: $10 million, firm fee: $50,000.

c.

(1) TITLE AND LOCATION *(City and State)*
Dixie Highway/21st Avenue Corridor Redesign Concept and
Mobility Study, Hollywood, FL

(2) YEAR COMPLETED: PROFESSIONAL SERVICES: Ongoing | CONSTRUCTION *(If Applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Landscape architect on the Kimley-Horn team preparing a Redesign Concept Study for the Dixie Highway and 21st Avenue corridor throughout Hollywood between Pembroke Road and Sheridan Street. The goal is to create a "transit-ready corridor" along the FEC Railroad by implementing Complete Streets solutions in anticipation of re-establishing passenger rail service through seamless integration of an anticipated Tri-Rail Coastal Link station. The Complete Streets approach recommended in this study includes a "road diet" lane reduction to repurpose excess automobile capacity for bicyclist, pedestrian, and transit improvements. In addition, the Complete Streets approach will establish a transit-ready corridor for seamless integration of an anticipated Tri-Rail Coastal Link station along the Florida East Coast (FEC) railroad. Firm fee: $91,890.

d.

(1) TITLE AND LOCATION *(City and State)*
US 1 Corridor Study
Hollywood, FL

(2) YEAR COMPLETED: PROFESSIONAL SERVICES: Ongoing | CONSTRUCTION *(If Applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Landscape architect on the Kimley-Horn team selected to design a new cross section for a portion of US 1 that would allow for wider medians, improved sidewalk plantings, and extended medians to control access and improve safety through the corridor. Kimley-Horn worked with FDOT to designate this section of the road under their Transportation Design for Livable Communities (TDLC) program. This designation allows for a more advantageous horizontal clearance and paves the way for allowing the design speed of the corridor to be lowered to match the designated speed. Kimley-Horn also presented traffic and crash data analysis to determine where medians could be extended throughout the corridor, allowing for more landscape space in medians and creating less crossing turning movements through the corridor for safety. Renderings of proposed development scenarios were worked through with City staff for use in upcoming public presentations. Total contract value: $95,500.

e.

(1) TITLE AND LOCATION *(City and State)*
Bradenton Downtown Development Authority Riverwalk
Bradenton, FL

(2) YEAR COMPLETED: PROFESSIONAL SERVICES: 2012 | CONSTRUCTION *(If Applicable)*: 2012

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

[X] Check if project performed with current firm

Project manager. Kimley-Horn completed the master planning process for the 1.25-mile-long riverfront area in Bradenton known as the Riverwalk. Services included grants/funding analysis, master planning, public involvement, design development, and stakeholder coordination. The grand opening for the project was last fall, and it was recently awarded the top cultural and recreation project in the Tampa Bay Area by the Regional Planning Council. Total project cost: $6.9 million, firm fee: $340,800.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
STEPHEN K. SEELEY (PSM #4574)	PROJECT MANAGER	a. TOTAL 32	b. WITH CURRENT FIRM - 1

15. FIRM NAME AND LOCATION
STEPHEN H. GIBBS LAND SURVEYORS, INC. (D.B.A.: GIBBS LAND SURVEYORS), 2131 HOLLYWOOD BOULEVARD, SUITE 204, HOLLYWOOD, FL. 33020

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
UNIVERSITY OF MIAMI – CORAL GABLES, FL. 1974 – LAND SURVEYOR	*STATE OF FLORIDA/LAND SURVEYING*

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
FLORIDA SURVEYING AND MAPPING SOCIETY

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
HOLE IN THE DONUT, EVERGLADES NATIONAL PARK , FLORIDA	1998	

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
SURVEYING AND MAPPING INVASIVE SPECIES, ERRADICATION AND TOPOGRAPHIC MAPPING WITH RTK GPS
COST - $1 MILLION +
ROLE AS LAND SURVEYOR

[ ] Check if project performed with current firm

b.

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
HARRISON TRACT MITIGATION KEY LARGO, FLORIDA	1998	

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
SURVEYING AND MAPPING WITH RTK GPS NORTH AMERICA CROCODILE HABITAT
TOPOGRAPHIC SURVEYING
COST - $1 MILLION +
ROLE AS LAND SURVEYOR

[ ] Check if project performed with current firm

c.

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
PORT OF MIAMI, MIAMI-DADE COUNTY, FLORIDA	2004	

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
HYDROGRAPHIC/BATHYMETRIC SURVEYING OF BOTTOM SURFACE FOR BRIDGE AND DEPTH MAINTENANCE APPLICATIONS
COST - $10,000
ROLE AS LAND SURVEYOR

[ ] Check if project performed with current firm

d.

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
LOOE KEY PRESERVE, MARATHON, FLORIDA	1999	

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
CONTROL SURVEYING AND MAPPING WITH GPS FOR REEF RESTORATION
COST - $20,000
ROLE AS LAND SURVEYOR

[ ] Check if project performed with current firm

e.

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
PROFESSIONAL LAND SURVEYING SERVICES, FLORIDA	ONGOING/CURRENT	

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
LAND BOUNDARY SURVEYING, SUBDIVISION SURVEYING, LEGAL DESCRIPTIONS, PROCESSING OF BOUNDARY AND SUBDIVISION PLATS, TOPOGRAPHIC SURVEYING, SURVEY-GRADE GPS APPLICATIONS FOR DESIGN, CONSTRUCTION AND PRESERVATION – ROLE AS LAND SURVEYOR

[X] Check if project performed with current firm

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
STEPHEN H.GIBBS	PROJECT MANAGER	b. TOTAL 35	b. WITH CURRENT FIRM - 20

15. FIRM NAME AND LOCATION
STEPHEN H. GIBBS LAND SURVEYORS, INC. (D.B.A.: GIBBS LAND SURVEYORS), 2131 HOLLYWOOD BOULEVARD, SUITE 204, HOLLYWOOD, FL. 33020

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
ASSOCIATE DEGREE FROM GREENVILLE TECH, GREENVILLE, SC 1973 *CAD DRAFTING*	STATE OF FLORIDA – LAND SURVEYING #4054 STATE OF NORTH CAROLINA – LAND SURVEYING #L-3700

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
FLORIDA SURVEYING AND MAPPING SOCIETY AND HOLLYWOOD ROTARIAN

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
GIS MAPPING FOR THE CITY OF HALLANDALE BEACH, FL	2001 – LAND SURVEYOR	

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
PREPARED GIS MAP FOR THE CITY OF HALLANDALE BEACH AND BROWARD COUNTY TAX OFFICE JOINT VENTURE AT A COST OF $50,000 – ROLE AS LAND SURVEYOR FOR THE CITY OF HALLANDALE BEACH

[X] Check if project performed with current firm

b.

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
AERIAL PHOTOGRAPHY FOR THE CITY OF HALLANDALE BEACH, FL	2000 – LAND SURVEYOR	

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
SET TARGETS AND COORDINATED ALL LOCATION FOR AERIAL PHOTOGRAPHY OF THE ENTIRE CITY WITH LOCAL AERIAL PHOTOGRAPHY COMPANY AT A COST OF $150,000 – ROLE AS LAND SURVEYOR FOR THE CITY OF HALLANDALE BEACH

[X] Check if project performed with current firm

c.

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
COMMUNITY DEVELOPMENT BLOCK GRANT (CDBG) PROJECTS FOR THE CITY OF HALLANDALE BEACH, FL	2001 – LAND SURVEYOR	

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
SURVEYED AREAS OF THE CITY OF HALLANDALE BEACH FOR NEIGHBORHOOD IMPROVEMENTS AT A COST OF $200,000 – ROLE AS LAND SURVBYOR FOR THE CITY OF HALLANDALE BEACH

[X] Check if project performed with current firm

d.

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
DRAINAGE STUDIES FOR THE CITY OF HALLANDALE BEACH, FL	2006 – LAND SURVEYOR	

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
PERFORMED VARIOUS DRAINAGE STUDIES AROUND THE CITY OF HALLANDALE BEACH AT A COST OF $50,000 – ROLE AS LAND SURVEYOR FOR THE CITY OF HALLANDALE BEACH

[X] Check if project performed with current firm

e.

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
BEACH BEAUTIFICATION FOR THE CITY OF HOLLYWOOD, FL	ONGOING/CURRENT - LAND SURVEYOR	

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
PERFORMED A TOPOGRAPHIC SURVEY OF THE ENTIRE AREA FROM SHERMAN STREET TO IRIS TERRACE FROM A-1-A TO THE ATLANTIC OCEAN AT A COST TODATE OF APPROX. $200,000 – ROLE AS LAND SURVEYOR FOR THE CITY OF HOLLYWOOD AND FOR THE CONTRACTOR

X Check if project performed with current firm

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
MARK E. BERRY (PSM #4283)	PROJECT MANAGER	c. TOTAL 35	b. WITH CURRENT FIRM - 8

15. FIRM NAME AND LOCATION
STEPHEN H. GIBBS LAND SURVEYORS, INC. (D.B.A.: GIBBS LAND SURVEYORS), 2131 HOLLYWOOD BOULEVARD, SUITE 204, HOLLYWOOD, FL. 33020

16. EDUCATION *(DEGREE AND SPECIALIZATION)*	17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
ATTENDED UNIVERSITY OF FLORIDA, - GAINESVILLE, FLORIDA (INCOMPLETE)	*STATE OF FLORIDA – 1986 – LAND SURVEYOR #4283*

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
FLORIDA SURVEYING AND MAPPING SOCIETY

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
AT&T UNDERGROUND LINES ALONG ALLIGATOR ALLEY (24 MILES) LOCATED IN BROWARD COUNTY	2008 (INCOMPLETE) LAND SURVEYING	

(3) BRIEF DESCRIPTION *(Brief scope, size, cost,, etc.)*
LOCATE AND DETERMINE DEPTH OF AT&T TELEPHONE LINES IN THE ALLIGATOR ALLEY (I-75) RIGHT-OF-WAY AT A COST OF $72,775. ROLE AS CONSULTANT LAND SURVEYOR FOR AT&T

[X] Check if project performed with current firm

b.

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
PEMBROKE FALLS DEVELOPMENT (4 MILES) IN THE CITY OF PEMBROKE PINES, FL	1995 LAND SURVEYING	

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
ROUTE SURVEY FOR BELLSOUTH CONDUIT DESIGN AT A COST OF $52,800 – ROLE AS CONSULTANT LAND SURVEYOR FOR BELLSOUTH (AT&T)

[ ] Check if project performed with current firm

c.

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
ROUTE SURVEY FOR CONDUIT DESIGN ALONG STATE ROAD #7 (2 MILES) IN THE CITY OF LAUDERHILL, FL	2007 LAND SURVEYING	

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
ROUTE SURVEY FOR AT&T CONDUIT DESIGN AT A COST OF $59,500. ROLE AS CONSULTANT LAND SURVEYOR FOR AT&T

[X] Check if project performed with current firm

d.

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
ROUTE SURVEY FOR CONDUIT DESIGN ALONG N.E. 33 STREET (1.5 MILES) IN THE CITY OF POMPANO BEACH, FL.	2007 LAND SURVEYING	

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
ROUTE SURVEY FOR AT&T CONSDUIT DESIGN AT A COST OF $26,975 - ROLE AS A CONSULTANT LAND SURVEYOR FOR AT&T

X Check if project performed with current firm

e.

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
ROUTE SURVEY FOR CONDUIT DESIGN ALONG N. 46TH AVENUE (1.5 MILES) IN THE CITY OF HOLLYWOOD, FL	2008 LAND SURVEYING	

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
ROUTE SURVEY FOR AT&T CONDUIT DESIGN AT A COST OF $25,800. ROLE AS CONSULTANT LAND SURVEYOR FOR AT&T

[X] Check if project performed with current firm

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT
(Complete on Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Dan Schauer, P.G.	**Geotechnical Services**	29	26

15. FIRM NAME AND LOCATION *(City and State)*

Geosyntec Consultants, Boca Raton, Florida

16. EDUCATION (DEGREE AND SPECIALIZATION)	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)
B.S., Geology, University of Florida, 1984	Florida Professional Geologist No. 1240 / Texas Registered Geoscientist No. 5324 Tennessee Professional Geologist No. 2080 / Licensed Environmental Professional / CIE No. 61

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

For the past 26 years Mr. Schauer has worked closely with numerous private and municipal clients within the State of Florida to develop cost effective strategies for all phases of solid waste management facility development and founded strong relationships with the leadership of the FDEP including the Southeast District. Mr. Schauer has utilized his experience to manage a wide array of multi-disciplinary municipal solid waste management projects including Class I, Class III and C&D landfills, incinerator ash landfills, bioreactor landfills, low level radioactive waste landfills and a variety of sludge, sediment and liquid impoundments. He has managed large scale municipal landfill engineering contracts and is highly regarded throughout the industry for his expertise in the design, permitting and construction of solid waste management facilities as well as his extensive background in the redevelopment and beneficial reuse of former waste disposal facilities. Mr. Schauer has been responsible for the coordination of geologic and hydrogeologic site investigations, geotechnical investigations, structural foundation design, and construction materials testing.

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED:	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Biscayne Commons Brownfields Redevelopment, North Miami Beach, FL	Ongoing	Ongoing

(3) BRIEF DESCRIPTION (Brief, scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm

Mr. Schauer serves as project manager for all environmental and geotechnical consulting services performed at the landfill in support of redevelopment of the site as a retail shopping center (Biscayne Commons). The work performed in support of this $30-millon brownfields redevelopment project includes site improvement (dynamic compaction), Phase I ESA, landfill gas studies, evaluation of remedial technologies, and design and permitting services for foundation, stormwater, and landfill gas monitoring and management systems. He was also responsible for the oversight of a gas management system installation and monitoring at a shopping center. The system included the installation of 75,000 ft2 of 30-mil thick PVC geomembrane. A single-sided geocomposite and geotextile, as well as 45,000 ft2 of 60-mil thick spray applied asphalt geomembrane (SAG). Duties included managing the activities of six subcontractors and trades during construction. Responsibilities also included gas monitoring with a photo ionization detector to analyze for CO, H2S, O2 and %LEL at 12 gas probes, 29 sub-slab building sensors as well as oversight and sampling of groundwater monitoring wells. Mr. Schauer was responsible for authoring and co-authoring several deliverables including a detailed Site Assessment Report, Remedial Action Plan, Waste Relation Plan, Groundwater Monitoring Plan, Health and Safety Plan, and Air monitoring Plan. He was also responsible for interaction with the FDEP and Miami-Dade Department of Environmental Resource Management (DERM) regarding all environmental site assessment and development impact related issues. The 125,000 sf complex was completed in early 2004, and has received praise from local political and environmental agency leaders. Geosyntec is currently responsible for the ongoing groundwater and landfill gas monitoring and reporting activities at the site on behalf of the property owner.

b.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED:	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Miami Dade County Department of Solid Waste Management, South Dade Landfill, Cell 5 Design and Permitting, Miami, FL	2010	2010

(3) BRIEF DESCRIPTION (Brief, scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm

Mr. Schauer served as Principal-in-Charge for the design and permitting of the 50-acre Cell 5 lateral expansion that included: (i) hydrogeologic and geotechnical field investigations and preparation of hydrogeologic/geotechnical report; (ii) performing geotechnical foundation analysis; (iii) evaluation of stormwater control system alternatives for the overall SDLF; and (iv) design of liner and leachate collection systems, preparation of design and permit drawings, technical specifications, and CQA plans for the substantial modification permit application for the expansion of the SDLF. The expansion concepts underwent rigorous value engineering to optimize environmental protection, operational efficiency, and long-term sustainability.

c.

(1) TITLE AND LOCATION *(City and State)*
Miami Dade County Department of Solid Waste Management, South Dade Landfill, Cell 3 Closure, Miami-Dade County, FL

(2) YEAR COMPLETED:

PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
2008	2010

(3) BRIEF DESCRIPTION (Brief, scope, size, cost, etc.) AND SPECIFIC ROLE

☒ Check if project performed with current firm

Mr. Schauer served as Project Manager for the $6M closure construction of a 50-acre Class I municipal solid waste (MSW) disposal cell at the County's largest MSW Landfill. The project included the installation of a gas management system including 37 gas/leachate well pairs and abandonment of 20 existing gas wells. The closure system included the installation of over 4,000,000 square feet of geosynthetics (nonwoven geotextile, 40-mil thick smooth and textured LLDPE geomembrane and geocomposite). The responsibilities of the project included review contractor bids, contractor submittal review and approval, construction quality assurance, field and laboratory geotechnical testing and reporting for FDEP compliance.

d.

(1) TITLE AND LOCATION *(City and State)*
Vista Class III Landfill, Cell 2, Apopka, Orange County, FL

(2) YEAR COMPLETED:

PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
2009	2010

(3) BRIEF DESCRIPTION (Brief, scope, size, cost, etc.) AND SPECIFIC ROLE

☒ Check if project performed with current firm

Mr. Schauer served as Project Manager for the CQA activities during the $1.25M construction of this 10-acre Class III landfill expansion. The liner system construction included installation of 500,000 ft^2 of 60-mil thick textured HDPE geomembrane. Mr. Schauer was responsible for managing all aspects of the liner system construction including the geotechnical and geosynthetic laboratory conformance testing programs as well as the review contractor bids, contractor submittal review and approval, construction quality assurance, field and laboratory geotechnical testing and reporting for FDEP compliance.

e.

(1) TITLE AND LOCATION *(City and State)*
North Central Resource Recovery Facility (NCRRF), Class III, Cell 6 Expansion, Solid Waste Authority, Palm Beach County, FL

(2) YEAR COMPLETED:

PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
N/A	1998

(3) BRIEF DESCRIPTION (Brief, scope, size, cost, etc.) AND SPECIFIC ROLE

☒ Check if project performed with current firm

Mr. Schauer served as Project Manager for CQC services during the thirteen acre Class III landfill expansion which included construction of a composite liner system. Responsibilities included management of CQC monitoring and testing services as subcontractor to Westinghouse Remediation Services (WRS) of Tampa, Florida. Services included CQC laboratory conformance testing of geosynthetics including nonwoven geotextile, geonet, GCL, and 1,940,000 ft2 (180,225 m2) of 60-mil (1.5-mm) thick HDPE geomembrane, granular protective cover soil, leachate collection systems, and shell road base.

f.

(1) TITLE AND LOCATION *(City and State)*
North Central Resource Recovery Facility, Class I MSW Cell 7 & 8 Expansion, Solid Waste Authority, Palm Beach County, FL

(2) YEAR COMPLETED:

PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
N/A	1997

(3) BRIEF DESCRIPTION (Brief, scope, size, cost, etc.) AND SPECIFIC ROLE

☒ Check if project performed with current firm

Mr. Schauer served as Project Manager for CQC services during the twenty-two acre Class I landfill expansion which included construction of a composite double liner system. Responsibilities included management of CQC monitoring and testing services as subcontractor to Kimmins Contracting Corporation of Lantana, Florida. Services included monitoring and on-site laboratory testing of leak detection and leachate collection systems, soils and geosynthetics including nonwoven geotextile, geonet, GCL HDPE piping, manholes and 1,940,000 ft2 (180,225 m2) of 60-mil (1.5-mm) thick HDPE geomembrane.

g.

(1) TITLE AND LOCATION *(City and State)*
Keene Road Recycling and Disposal Facility Final Closure Parcels 1 and 2, Apopka, Orange County, FL

(2) YEAR COMPLETED:

PROFESSIONAL SERVICES	CONSTRUCTION
N/A	2009 – 2010

(3) BRIEF DESCRIPTION (Brief, scope, size, cost, etc.) AND SPECIFIC ROLE

☒ Check if project performed with current firm

Mr. Schauer served as Project Manager for the CQA activities for the $4.5M final closure of this 63-acre Class III landfill. The closure construction included the installation of 2,700,000 ft^2 of 50- mil thick super gripnet and 40-mil thick smooth LLDPE geomembranes. Responsibilities included performing field nuclear moisture/density testing on the compacted fill material of the subgrade. CQA of geomembrane, geotextile and protective cover material and gas collection system installation, also responsible for the installation of down chutes and drainage aggregate. The responsibilities of the project included review of contractor bids, contractor submittal review and approval, coordination of the geosynthetics and geotechnical conformance testing programs and certification reporting for FDEP Central District Office compliance.

h.

(1) TITLE AND LOCATION *(City and State)*
Wingate Road Municipal Incinerator and Landfill Site, Ft. Lauderdale, FL

(2) YEAR COMPLETED:

PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
N/A	2000 – 2003

(3) BRIEF DESCRIPTION (Brief, scope, size, cost, etc.) AND SPECIFIC ROLE

☒ Check if project performed with current firm

Mr. Schauer served as Program Director to the Wingate Cooperating Parties Group (including the City of Ft. Lauderdale and Waste Management) during the $6 million closure of a former 60-acre NPL Site occupied by a municipal incinerator and ash landfill. The site included a 40-acre landfill and a 20-acre process area with two municipal waste incinerators and ancillary equipment. Constituents of concern include dioxin, toxaphene, and arsenic. The remedial action at the site included: demolition of all site structures; asbestos abatement; excavation of impacted soils and ash from on-site and off-site locations; draining of a 3-acre pond; lake bottom sediment removal and relocation to the landfill; placement of all excavated materials on top of the existing landfill; capping the 40-acre area with a geosynthetic liner; and construction of a stormwater management system. The remedial action was performed under a Consent Decree with USEPA Region IV and the USACOE.

i.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED:	
Pace Landfill Brownfields Re-development Project, North Miami Beach, FL	PROFESSIONAL SERVICES 2002 – 2011	CONSTRUCTION (If applicable) 2004

(3) BRIEF DESCRIPTION (Brief, scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm

Mr. Schauer has served as Principal-in-Charge and Project Manager for environmental consulting services performed on behalf of Geosyntec since the inception of the brownfields redevelopment of the up-scale Biscayne Commons shopping center (former Pace Landfill property) in December of 2002. The $30-millon brownfields redevelopment project included a multi-phase site assessment , feasibility study, foundation design, gas mitigation system design with under slab gas barrier, remedial action plan, waste relocation plan, dynamic compaction planning and oversight, long term groundwater and gas monitoring and O & M. Construction of the 125,000 sf commercial complex directly over the former landfill was completed in early 2004 and has received praise from local political and environmental agency leaders.

j.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED:	
Orange County Landfill, Cell 7B/8 Class I Landfill Closure, Orange County, FL	PROFESSIONAL SERVICES 2006	CONSTRUCTION (If applicable) 2006

(3) BRIEF DESCRIPTION (Brief, scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm

As Geosyntec's Project Manager, responsibilities included the management of the construction quality control program for both soils and geosynthetic material used in closure of this 70-acre Class I MSW landfill. Geotechnical activities included field and laboratory testing of more than 363,000 yd^3 of granular fill for both capping system subgrade and protective cover layers. CQC activities were performed under sub-consulting agreement to Hewitt Construction Company of Okahumpka, Florida. Activities also included collection of soil geosynthetic samples for laboratory performance and interface friction angle testing and evaluation of test results for compliance with project specifications interaction with County Program Management Team.

k.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED:	
Gulf Coast Landfill, Class III Disposal Area Closure, Ft. Myers, FL	PROFESSIONAL SERVICES 2008	CONSTRUCTION (If applicable) 2010

(3) BRIEF DESCRIPTION (Brief, scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm

Mr. Schauer served as Project Manager for the closure of this former Class I and Class III landfill which included the construction of a 50-acre geosynthetics capping system in compliance with the Florida Department of Environmental Protection (FDEP) Chapter 62-701 regulations. The project included the selection, testing and installation of the protective cover layer, geocomposite drainage layer, 40-mil thick smooth and textured LLDPE geomembrane, surface and stormwater controls and landfill gas management system. Mr. Schauer managed the overall CQA program, prepared the final closure certification report, and coordinated all activities with the FDEP South District.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Juan D. Quiroz, Ph.D., P.E.	**Geotechnical Services**	**15**	**13**

15. FIRM NAME AND LOCATION *(City and State)*

Geosyntec Consultants, Tampa, Florida

16. EDUCATION (DEGREE AND SPECIALIZATION)	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)
Ph.D., Civil Engineering, 2000 M.S., Civil Engineering, 1997 / B.S., Civil Engineering, 1994	Florida, Professional Engineer No. 65275

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

Dr. Quiroz has over 15 years of experience in civil engineering with expertise in the area of geotechnical and geoenvironmental engineering. His specialties include waste containment system design, landfill engineering, waste slope stability, design of MSE (mechanically stabilized earth) berms related to landfill expansions, design of dredged material containment areas (DMCAs), closure system design of landfills, alternative leachate treatment and containment systems, designing with geosynthetics, transfer station design and permitting, gas mitigation systems for building protection, and construction on soft ground. As the lead engineer for numerous geotechnical site investigations, geophysical investigations, and solid waste facility projects, Dr. Quiroz has lead major projects as well as design team tasks and directly interacted with FDEP representatives at both District and State levels.

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Northwest Transfer Station Soil Preload and Foundation Stsem Design, Hillsborough County, FL	On-going	NA

(3) BRIEF DESCRIPTION (Brief, scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm

Dr. Quiroz is the project manager, lead designer and engineer-of-record for the design of a roadway soil pre-load, scale house pile foundation system and landfill gas mitigation system beneath the scale house building. The proposed roadway alignment and scale house will be located on the footprint of the closed landfill at the site. The specialized geotechnical analyses performed by Dr. Quiroz account for the difficult site conditions imposed by the existing waste in the subsurface profile.

b.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Landfill Siting, Design and Permitting, North Manatee Recycling & Disposal Facility, Class III, Manatee County, FL	2010	2011

(3) BRIEF DESCRIPTION (Brief, scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm

Dr. Quiroz was the engineer-of-record for the siting, design and permitting of the approximately 115-acre "greenfield" landfill development project. Engineering services included a hydrogeological and geotechnical site investigation, landfill cell and storm water management system design, FDEP environmental resource and solid waste permitting, and responses to regulatory comments. The new disposal facility provided the client with new disposal capacity for approximately 32 years.

c.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION
Karst Terrain Site Assessment & Landfill Site Feasibility Study, Sumter County, FL	2010	NA

(3) BRIEF DESCRIPTION (Brief, scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm

Dr. Quiroz was the technical lead for a karst terrain site assessment to evaluate subsurface conditions and sinkhole potential for a proposed landfill site. The field investigation consisted of a coupled geophysical and geotechnical drilling program that included: (i) electrical resistivity imaging (ERI); and (ii) Standard Penetration Test (SPT) soil borings. Based on the results of the ERI testing and SPT soil borings, a refined conceptual geological model was developed for the investigation area that established the surface and condition of the limestone within the landfill footprint. Subsequently the proposed landfill footprint was adjusted to avoid areas of concern relative to karst features and foundation improvement strategies were developed for critical areas.

d.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION
Conceptual ERP Major Modification, J.E.D. Solid Waste Management Facility, Osceola County, FL	2011	On-going

(3) BRIEF DESCRIPTION (Brief, scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm

Dr. Quiroz was the technical lead for preparation of a conceptual ERP major modification application and design of a storm water management system for the JED facility. The storm water management system for the site was expanded to accommodate an approximately 100-acre landfill lateral expansion. Both dry and wet detention areas were expanded and designed to retain a 100-year, 72-hour design storm event.

e.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
Major Solid Waste Permit Modification, Vista Landfill, Class III, Apopka, Orange County, Florida	PROFESSIONAL SERVICES 2007	CONSTRUCTION (If applicable) 2008

(3) BRIEF DESCRIPTION (Brief, scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm

Dr. Quiroz was the lead landfill designer for a major permit modification associated with a Class III landfill. The major permit modification was based on the implementation of a liner and leachate collection system for the previously permitted 102 acre unlined landfill. Dr. Quiroz developed a Construction Quality Assurance (CQA) Plan and technical specifications to construct the proposed liner and leachate collection system at the landfill facility, and subsequently served as the engineer-of-record for cell construction.

f.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
Gas Mitigation System Design, Joe DiMaggio Sport Complex, City of Clearwater, FL	PROFESSIONAL SERVICES 2011	CONSTRUCTION (If applicable) 2011

(3) BRIEF DESCRIPTION (Brief, scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm

Dr. Quiroz is the lead designer and engineer-of-record for the design of a landfill gas mitigation system and protection plan for a concession and restroom building sited near an old landfill area. The landfill gas mitigation system consists of a geomembrane vapor barrier and a passive gas venting system beneath the foundation of the building.

g.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
Closure Systems Options Evaluation, North Central Landfill, Polk County, FL	PROFESSIONAL SERVICES 2009	CONSTRUCTION (If applicable) NA

(3) BRIEF DESCRIPTION (Brief, scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm

Dr. Quiroz was the technical lead for the development of a closure systems options report that addressed potential closure options for the Class I (Phases I and II) and Class III landfill units at North Central Landfill. The closure options report considered factors such as closure (design, permitting and construction) costs, current landfill operations, ease of FDEP solid waste permitting, and the site's master plan for future landfill development. Polk County used the closure options report as a decision-making tool, as well as the basis for a pre-application meeting with FDEP.

h.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
Closure Design and Permitting, Keene Road Landfill, Class III, Apopka, Orange County, FL	PROFESSIONAL SERVICES 2010	CONSTRUCTION (If applicable) 2011

(3) BRIEF DESCRIPTION (Brief, scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm

Dr. Quiroz was the lead designer for a retro-fit closure system design associated with a Class III landfill facility. The closure system design incorporated a transitional geomembrane cover system that accommodates an existing geosynthetic clay liner (GCL) cover system along the contiguous portion of a previously closed landfill area. In addition, the landfill side slopes were re-designed to minimize additional cut and fill requirements needed to achieve permitted grades. The cover system design consists of using a 50-mil studded geomembrane overlain by a geotextile on the side slopes and a 40-mil geomembrane on the top slopes. Dr. Quiroz was also the engineer-of-record for the closure construction project.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT
(Complete on Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Kwasi Badu-Tweneboah, Ph.D., P.E.	**Geotechnical Services**	**30**	**27**

15. FIRM NAME AND LOCATION *(City and State)*

Geosyntec Consultants, Jacksonville, Florida

16. EDUCATION (DEGREE AND SPECIALIZATION)	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)
Ph.D., Geotechnical Engineering, University of Florida, 1987 M.S., Geotechnical Engineering, Arizona State University, 1984 B.S., Civil Engineering, University of Science & Technology, Ghana, 1979	Florida Professional Engineer No. 42460, plus eleven other states

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

Dr. Badu-Tweneboah, P.E. has more than 27 years of experience with solid waste engineering for public and private-sector clients. Dr. Badu-Tweneboah specializes in MSW facility design and permitting, geotechnical investigations, containment system design, resident engineering, and construction management/quality assurance. He also has extensive experience in the planning and implementation of construction quality assurance/quality control for the installation of geosynthetic and soil lining systems for landfills and other waste containment facilities. Dr. Badu-Tweneboah has been involved in the design, permitting, and construction of over 30 solid waste management and waste containment system facilities in 15 states. Dr. Badu-Tweneboah has published more than 30 papers on landfill design and solid waste issues and served as the Program Manager and Engineer-of-Record for the permitting, design, and construction of more than ten solid waste landfills in Florida. FDEP invited Dr. Badu-Tweneboah to serve on the agency's Task Force for rewriting solid waste rules and regulations. He has also served on the Technical Advisory Group for a post-closure care research project sponsored by Florida's Hinckley Center for Solid & Hazardous Waste Management.

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Solid Waste Engineering and Landfill Gas Related Services **Escambia County, FL**	2012	2012

(3) BRIEF DESCRIPTION (Brief, scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm

Project Director and Technical Reviewer for the design and permitting effort of multiple landfill gas related projects at this county-operated facility including: evaluation of the existing gas collection and control system (GCCS) to provide recommendations for immediate repairs and upgrades; design of a temporary GCCS header system to keep gas extraction wells active while a waste mining operation is ongoing; and design of a GCCS expansion including over 30 new gas extraction wells, associated lateral and header piping and a new blower-flare station that is interconnected to a third party landfill gas to energy facility. Other services provided included permitting support services to obtain Title V Air Construction and Title V Air Operation permits for the projects described above.

b.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If applicable)
Indian River County Class I Landfill Design, Permitting, and Construction Support Services, Vero Beach, FL	On-going	2013

(3) BRIEF DESCRIPTION (Brief, scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm

Program manager for multiple designs, permitting, and construction support services projects at the Indian River County Landfill facility in Vero Beach, Florida from 2005 to present. He has provided the following services: (i) design and permitting of 76-acre Class I landfill lateral and vertical expansion that provided the County with approximately 13.6 million cubic yards of additional disposal capacity, and thereby extend the life of the facility by approximately 27 years; (ii) construction management (CM) and QA/QC services for the construction of a 11-acre cell in 2012-2013; (iii) CM and QA/QC services for the construction of the vertical expansion and partial closure and borrow pit development at the landfill facility in 2009-2010; (iv) design and permitting of a vertical expansion over the closed top slopes of a Class I landfill in 2006; the vertical expansion extended the life of the facility for more than four years, worth about $20 million, and provided the County the additional airspace to replace the airspace that was filled up with debris from the active 2004-05 hurricane seasons in 2005-2006; (v) design and permitting of a 34-acre lateral expansion for the Class I Landfill in 2008; this included preparing a landfill consolidation report on a feasibility study of, and recommendation for, co-disposal of C&D debris and MSW in a lined Class I landfill, eliminating construction and operation of unlined C&D disposal facilities; (vi) assisted the County in obtaining FDEP approval to use a cost-effective alternative sand material for completing the drainage layer on the remaining side slopes of the permitted liner system for the Class I landfill, which alone saved the County about $200,000 compared to

the cost of purchasing and delivery of the originally-specified material in 2006; and (vii) design and permitting of a partial closure, and upgrade and expansion of the gas collection and control system (GCCS) for the Class I Landfill in 2008-2009. ***Design Support Fees: Approximately $1.5 million. Construction Costs: Approximately $5 million.***

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
Indian River County Class I Landfill GCCS Design and Phasing Plans, Vero Beach, FL	PROFESSIONAL SERVICES 2008	CONSTRUCTION (If applicable) 2009

(3) BRIEF DESCRIPTION (Brief, scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm

c. Project manager and engineer-of-record for the GCCS design and preparation of GCCS phasing plans for the Indian River County Class I Landfill. He served as the EOR for the upgrade and expansion of the GCCS during the partial closure of the Class I Landfill in 2008-2009. Dr. Badu-Tweneboah has also provided the following services to the County: (i) feasibility study (FS) for a landfill gas-to-energy (LFGTE) project, assisted in the preparation of an RFP for a third-party development of the LFGTE project, and assisted the County in the review and evaluation of the proposals in 2008-2009; (ii) initially identifying the potential of obtaining carbon credits from the CCX for voluntarily-installed GCCS as a significant revenue stream for the County and then assisting the County on carbon trading of its LFG emissions offsets on the CCX by obtaining preliminary approval and facilitating the third-party verification of the emissions offsets of 24,282 metric tons of equivalent CO_2 for sale at approximately $121,195 for 2007 and 2008 Vintage years; and (iii) assisted the County, in 2006, in obtaining FDEP approval to use an alternative sampling protocol for Tier 2 testing, and eliminate the C&D disposal facility from NMOC emissions rate calculations as part of the Title V renewal permit application. ***Design Support Fees: $493,000. Cost Costs: Approximately $4.4 million.***

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
South Dade Landfill Cell 5 Expansion, Miami-Dade County, FL	PROFESSIONAL SERVICES 2012	CONSTRUCTION N/A

(3) BRIEF DESCRIPTION (Brief, scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm

d. Program manager for expansion design and permitting of the 50-acre Cell 5 at Miami-Dade County's South Dade Class I Landfill. Geosyntec had intimate knowledge of the project site, having overseen construction quality assurance (CQA) programs for expansion and closure of more than two thirds of the disposal area. The project was designed and permitted to comply with the revised Florida Department of Environmental Protection (FDEP) Chapter 62-701 solid waste regulations effective January 6, 2010. The tasks completed included: (i) preparing the hydrogeologic and geotechnical investigation report; (ii) performing geotechnical stability analyses; (iii) evaluating stormwater control system alternatives; (iv) designing the liner and leachate collection systems, including evaluating the performance of the liner system design using the USEPA's "Hydrologic Evaluation of Landfill Performance of Landfill" computer model; (iv) preparing the design of a conceptual landfill gas management system; and (v) preparing design drawings, technical specifications, and CQA plans for the permit application. The expansion concepts underwent rigorous value engineering to optimize environmental protection, operational efficiency, and long-term sustainability. The FDEP issued a permit for the facility less than 3 months upon submittal. ***Design Support Fees: $183,000. Construction Costs: Approximately $11.5 million.***

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
Bees Ferry Landfill (BFL) Facility Design Services Charleston, SC	PROFESSIONAL SERVICES 2013	CONSTRUCTION -

(3) BRIEF DESCRIPTION (Brief, scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm

e. Engineer-of-Record and Task Manager for the permit modification and preparation of the airspace management for the BFL facility, owned and operated by Charleston County. The permit modification consisted of changing the fill sequence of cell construction/operation for the active lined MSW (Class 3) landfill in order to allow the County enough time to use the mulch stockpile within the footprint of Cell 3 as daily cover material for the landfill. The permit modification request was approved by the South Carolina Department of Health and Environmental Control. The airspace management report was prepared for the active Class 3 landfill as well as C&D (Class 2) landfill at the facility. The report included calculations for the overall and remaining airspace volumes, in-place waste density (i.e., airspace utilization factor), and overall and remaining site life for each landfill using the latest topographic map of the facility. ***Design Support Fees: Approximately $100,000***.

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED **Ongoing**	
f. **JED Solid Waste Management Facility, Osceola County, FL**	PROFESSIONAL SERVICES 2009	CONSTRUCTION (If applicable) 2009

(3) BRIEF DESCRIPTION (Brief, scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm

Project manager and engineer-of-record for the preparation of Title V Air Operation Permit and Air Construction permit modification applications as part of the overall lateral and vertical expansion of the JED Solid Waste Management Facility in Osceola County, Florida. He also served as the engineer-of-record for the preparation of construction documents, procurement support for the partial closure and GCCS for Phase 1 of the landfill facility. He also served as the CQA engineer-of-record for the Phase I construction of the GCCS that includes: (i) installation of header pipe; (ii) installation of a condensate management system; (iii) construction of 29 vertical gas extraction wells; and (iv) installation of a flare/blower system. Dr. Badu-Tweneboah also prepared quarterly gas migration monitoring reports and Landfill Gas Compliance Monitoring and Maintenance Plan for the facility. ***Design Support Fees: Approximately $350,000.***

(1) TITLE AND LOCATION *(City and State)*	(2) YEAR COMPLETED	
Closure and Redevelopment of Municipal Solid Waste Landfill, Green Cove Springs, FL	PROFESSIONAL SERVICES 2011	CONSTRUCTION (If applicable) 2011

(3) BRIEF DESCRIPTION (Brief, scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if project performed with current firm

g. Engineer-of-record for environmental and geotechnical engineering services associated with the closure and re-development of a former 10-acre municipal sopild was landfill. The landfill was being considered for potential developments into recreational fields and associated support facilities. The work entails bringing the former landfill into compliance with current regulations, completing a closure design that supports re-development, securing a closure permit from FDEP, preparing conceptual re-development plans and preliminary cost estimates, and securing FDEP approval of landfill re-development.