



3532 Maggie Boulevard
Orlando, Florida 32811
p. 407.423.0504

Solicitation No.: 21-0937

BUILDING PLAN REVIEW AND INSPECTION SERVICES (NOT ENGINEERING)

Submit Request To:

Lake County Office of Procurement Services
P.O. Box 7800
315 W. Main St. Suite 441
Tavares, FL 32778

Submittal Due Date:

August 12, 2021

Submittal Due Time:

3:00 PM

universalengineering.com

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SECTION 1

Vendor Profile

Date: August 12, 2021

Universal Engineering Sciences, LLC

Attention: Bill Ponko
Contracting Officer
315 West Main Street, PO Box 7800
Tavares, Florida 32778

3532 Maggie Blvd.
Orlando, FL 32811
407-423-0504

Reference: #21-0937
Building Plan Review and Inspection Services
(Not Engineering)

Dear Mr. Ponko and the Lake County Office of Procurement Services:

Universal Engineering Sciences (UES) is pleased to submit this statement of interest for the above-referenced contract to perform Building Plan Review and Inspection Services.

UES is a full-service, multi-disciplinary engineering firm employing some of the most talented and experienced practitioners in the industry. Our firm has extensive current experience identical to the scope of work outlined in the solicitation. We are local and possess valuable insight and understanding of the region's statutes and regulations.

UES understands that Lake County (the County) desires to contract with one well-qualified firm to provide a licensed Building Official and other inspection and plan review staff.

We understand that the selected firm must be appropriately qualified, licensed, and an experienced vendor fully capable of providing administration, permitting, building permit inspection, code-compliant inspections, and review of all types of construction plans; by the requirements of all applicable codes and ordinances. The individuals performing these duties must possess valid licenses that are in good standing with the Department of Business and Professional Regulation, which includes possession of State of Florida Standard Inspection Certificates in all four categories.

We are fully committed to performing our services in a timely, professional manner and will adhere to the anticipated time-frames for completion. Our firm maintains all required licenses and insurance levels as outlined in Exhibit A and can provide staff. When you work with our team, you will be interacting with industry professionals who pride themselves on the highest level of integrity, dependability, ethics, and quality of work and who are also exceptionally innovative, dynamic, and responsive. We want our clients to think of UES as an extension of their organizations and a trusted advisor.

No member of our Firm is currently under investigation by any governmental authority for conspiracy or collusion with respect to bidding on any public contract.

Based upon our background and qualifications, experience, our ability to complete work assignments and cost-effectiveness with projects involving building codes and standards compliance, permitting, and other regulatory issues, we believe that UES is more than qualified to provide the requested services and is the best candidate for selection for this contract.

Respectfully Submitted,
Universal Engineering Sciences



David M. Olivieri, CBO, CFM
Building Inspection Department Manager
P: 407-423-0504 Ext 23101
DOLivieri@universalengineering.com



R. Kenneth Derick, PE, CBO
Branch Manager/Vice President
P: 407-423-0504
KDerick@universalengineering.com

CORPORATE HEADQUARTERS

Universal Engineering Sciences, LLC.
4205 Vineland Rd., Suite L1
Orlando, FL 32801

OFFICE IN CHARGE

3532 Maggie Boulevard
Orlando, FL 32811

DISTANCE/TIME TO LAKE COUNTY

43 miles, 50 minutes

ESTABLISHED

Corporation, 1964, Florida

AUTHORIZED IN FLORIDA

1964

OFFICERS

CEO: Mark Israel

President: Jim Walsh

Vice President: R. Kenneth Derick

Secretary: Melvin Rodriguez

VP of Finance: Melvin Rodriguez

FEIN

59-1117804

DUNS

06-481-7562

GROUNDING IN EXCELLENCE

For nearly six decades, Universal Engineering Sciences (UES) has provided essential engineering services throughout the United States, including Building Code Compliance, Building Envelope, Geotechnical Engineering, Construction Materials Testing & Inspection, and Environmental.

Experienced and proven, UES is considered a pioneer of the industry and stands at the forefront of emerging technology, best practices, and influential legislature.

Our work includes both public and private clients and consists of projects ranging from transportation and healthcare to commercial and education. Our engineers, geologists, certified inspectors, and scientists offer an unwavering commitment to excellence, approaching each project as an opportunity to cultivate enduring relationships with our clients.

Built on experience and driven by a determination to see our clients through to success, UES remains focused, optimistic, and grounded in excellence.

UNDERSTANDING OUR GROWTH

In early 2020 the geotechnical landscape was forever changed by the unprecedented union of a few like-minded, leading engineering firms. Complementary in professional services, core values, and customer service-centric views, Universal Engineering Sciences, Inc., GFA International, Inc., Contour Engineering, and NOVA Geotechnical & Inspection Services merged to form the Universal Engineering Sciences family of companies (UES)— the largest, most experienced, resource-rich organization of its kind in the U.S.

The success of this union was based on many key factors, one of which was geographic location. While Universal Engineering Sciences and GFA International maintained a substantial market share throughout Florida, an established, well-respected firm in Georgia was needed to secure UES' presence as an industry leader in the southeast—Contour Engineering was such a company.

ATTACHMENT 3 - REFERENCES FORM
21-0937

List no more than five projects which best illustrates qualifications relevant to the Solicitation. References must be less than five years old. LIST no more than two LAKE COUNTY GOVERNMENT PROJECTS (past, current, prime, and subcontractor) FIRST.

Universal Engineering Sciences

Project Number:	1
Project Name:	Lake County Building & Fire Department Services
Agency:	Lake County Procurement, Florida
Address:	315 West Main Street, Room 441, PO Box 7800
City, State, Zip Code:	Tavares, Florida 32778
Contact Person:	Donna Villinis
Title:	Purchasing
Email:	dvillinis@lakecountyfl.gov
Telephone:	352-343-9768
Project Cost:	\$52,000.00 (Approx. UES Fee)
Contract Start and End Dates:	July 2016 - March 2017
Scope of Project (list tasks, outlines or descriptions of items):	UES provided building inspections and plan review services to Lake County on an as-needed basis. This included performing commercial, residential, and accessory structure plan reviews and residential and commercial building inspections (building, roofing, plumbing, gas, electric, mechanical, HVAC, and fire safety) for structures in which permits have been applied for or issued by the County.

Project Number:	2
Project Name:	Eastside Elementary New Cafeteria
Agency:	School Board of Polk County, FL
Address:	1915 South Floral Avenue
City, State, Zip Code:	Bartow, Florida 33830
Contact Person:	Peggy Banner
Title:	Senior Coordinator
Email:	peggy.banner@polk-fl.net
Telephone:	863-534-0620 Ext. 499
Project Cost:	\$14,000.00 (Approx. UES Fee)
Contract Start and End Dates:	June 2020 - May 2021
Scope of Project (list tasks, outlines or descriptions of items):	UES provided Municipal Support and Code Compliance Inspections.

Project Number:	3
Project Name:	City of Belle Isle - Building Department
Agency:	City of Belle Isle
Address:	1600 Nela Avenue
City, State, Zip Code:	Belle Isle, Florida 32809
Contact Person:	Bob Francis
Title:	City Manager
Email:	bfrancis@belleislefl.gov
Telephone:	407-851-7730
Project Cost:	\$480,000.00 (Approx. UES Fee)
Contract Start and End Dates:	2010 - Ongoing
Scope of Project (list tasks, outlines or descriptions of items):	UES is providing all Professional Building Department Services for the City of Belle Isle.
Project Number:	4
Project Name:	Brevard Public Schools - Building Department
Agency:	School Board of Brevard County, FL
Address:	2700 Judge Fran Jamieson Way
City, State, Zip Code:	Viera, Florida 32940
Contact Person:	Sue Hann
Title:	Director of Planning and Project Management
Email:	hann.susan@brevardschools.org
Telephone:	321-631-1911
Project Cost:	\$100,000.00 (Approx. UES Fee)
Contract Start and End Dates:	July 2015 - September 2016
Scope of Project (list tasks, outlines or descriptions of items):	UES provided Professional Building Department services (All Building Inspections Services)
Project Number:	5
Project Name:	Osceola County Building Department
Agency:	Osceola County Building Department, FL
Address:	1 Courthouse Square, Suite 1100
City, State, Zip Code:	Kissimmee, Florida 34741
Contact Person:	Valentina Johnson
Title:	Procurement Analysis
Email:	valentina.johnson@osceola.org
Telephone:	407-742-0943
Project Cost:	\$450,000.00 (Approx. UES Fee)
Contract Start and End Dates:	September 2017 - May 2021
Scope of Project (list tasks, outlines or descriptions of items):	UES provided Professional Building Department (All Building Inspection Services) Services.

**Business Address**

3532 Maggie Blvd.
Orlando, Florida 32811

Telephone Number

407-423-0504

E-mail

DOlivieri@
universalengineering.com

Years of Experience

18

Licenses

- Building Code Administrator (BU1970)
- Standard Inspector (BN7142)
- Standard Plans Examiner (PX3892)

Certifications

- Certified Air Conditioning Contractor (CAC 1817159)
- Certified Electrical Contractor (EC 13007680)
- Certified Floodplain Manager
- Certified Plumbing Contractor (CFC 1427964)

David M. Olivieri, CBO, CFM Program Manager

Building Code Administrator / Plans Examiner / Inspector

David Olivieri has nearly two decades of experience in the building industry. Working with municipal and county governments, he is responsible for the enforcement and inspection of building construction projects requiring permitting for compliance with building, plumbing, mechanical, electrical, gas, fire prevention, energy, accessibility, and other construction codes. He also directs regulatory administration and provides supervision of plan review.

PROJECT EXPERIENCE**Building Official - City of Safety Harbor**

Safety Harbor, Florida

Mr. Olivieri fulfilled the leadership role in the planning, organization, direction, supervision, and management of the Community Development Department's Building Division. He ensured compliance with the Florida Building Code, local codes and ordinances, and state and federal laws. He also oversaw division operations such as plans review, permitting, field inspections, floodplain management, and business tax activities.

Plans Examiner - City of Largo

Largo, Florida

Mr. Olivieri reviewed plans and specifications for commercial, industrial, and residential projects to verify compliance with laws and regulations. He distributed plans and specifications for projects and ensured they were given to the correct departments for review and evaluation. He was also responsible for approving and releasing building permits for construction; initiating conferences with contractors and developers; ensuring his team was consistently informed about the latest technology and code changes; and providing technical direction.

Owner - Business Development & Operations

Largo, Florida

Mr. Olivieri directed business development and operations for a plumbing/HVAC/electrical business. He led a team of 15 staff and delivered up to 160 new and existing projects monthly. He also performed complex commercial and residential building / remodeling to ensure compliance with city codes and regulations as per plans.



Education

MS, Civil Engineering,
Georgia Institute of
Technology

BS, Civil Engineering,
Georgia Institute of
Technology

Years with UES

29

Licenses

- Professional Engineer, FL, AL, MS, LA, GA, SC, TX, TN, and Puerto Rico
- Building Code Administrator-BU#2121

Certifications

- Certified Structural Masonry Inspector
- Management Seminars, AGC
- Nuclear Density Gauge Operation & Safety

R. Kenneth Derick, MS, PE

Secondary Building Official

Ken holds an advanced degree in civil engineering and has more than 40 years of experience performing and managing complex engineering work for geotechnical, building construction, and environmental projects in the eastern, southeastern, and Gulf South regions of the United States. He has performed structural, general civil, geotechnical, environmental, and building construction inspection and testing services for thousands of projects. As the Engineer of Record (EOR) for the UES, Ken provides engineering peer review, project administration, and environmental engineering services on a daily basis for technically challenging projects. As Senior Vice President and Central Florida Regional Manager, he is responsible for the performance, staffing, and administration of all engineering, environmental, and construction personnel in the six county region.

PROJECT EXPERIENCE

EHPA Recertification Building Code Compliance Services

Polk County, FL

Mr. Derick provided the Code-Compliance Inspection Services and required report pursuant to 553 of the Florida Statutes and in accordance with Sections 109 of the Florida Building Code, and required by SREF in 2011. Any structural changes from the original construction were noted, and an assessment of the identified changes.

40-Year Structural & Electrical Recertification

Broward & Miami-Dade Counties

Mr. Derick has performed dozens of 40 and 50 year structural/Electrical recertification projects of 1 to 4 story structures in accordance with Broward and Miami-Dade County for Westgate Resorts, Sun Trust, and other private clients. This survey requires a thorough inspection of all accessible structural and electrical components, with a report of findings and recommendations to bring the systems into FBC compliance for Existing Structures.

Galileo Charter School, Expert Witness Consultant

Sanford, Florida

This new school was constructed with inappropriate flashings and unapproved plan changes. A serious water intrusion event occurred during a hurricane in 2019. Ken was engaged as an expert witness for the ensuing litigation and was hired to assess the water intrusion locations and causes, provide acceptable FBC remedial repairs for the contractor, and observe and verify that the approved remedial measures were executed per the approved plan. On completion of remedial repairs, Mr. Derick issued a report of completion and a certification of the work performed and assisted in the negotiations for contractor's final release from the litigation.



Education

MS, Organizational Leadership

BS, Bible and Christian Leadership

Years with UES

1

Years with Other Firms

25

Licenses

- Building Code Administrator License: BU 1988
- Florida Standard Inspector License: BN 7340
- Florida Standard 1 & 2 Family Plans Examiner: SFP 290
- Florida Standard Plans Examiner: PX 4220
- Housing Code Official #MD0612
- International Code Council (ICC) Certifications ICC #5174330
- New Jersey UCC Licenses #4220

Duane J. Wallace

Senior Plans Examiner

Duane has over 25 years of experience as a Plans Examiner, Building Official, and Building Inspector. He has extensive experience and training in construction codes, Florida Standards, ICC Public Safety, and zoning and code enforcement. He is well-versed in interacting with the public, private sectors, and various safety and compliance organizations. Duane's management experience includes project scheduling and budgeting, as well as supervising others for safety, code enforcement, and inspection.

PROJECT EXPERIENCE

Building Official

Safety Harbor, Florida

As a Building Official, Duane's responsibilities included plans reviews and inspection duties as needed in accordance with the Florida Building Code.

Development Inspector IV/ Plans Examiner

Tarpon Springs, Florida

Duane's responsibilities included multi-licensed inspections and plans reviews of residential and commercial projects in accordance with the Florida Building Code.

Standards Inspector/1 & 2 Family Plans Examiner

Tampa, Florida

Duane's responsibilities included multi-licensed residential and commercial inspections and 1 & 2 family plans examination for private provider's services in Tampa, Largo, and St. Petersburg in accordance with the Florida Building Code.

Building Subcode Official

Delran Township, New Jersey

Duane was responsible for performing plan review duties in compliance with the New Jersey Uniform Construction Code in the Electrical and Fire Subcode discipline. He also utilized additional licensure to provide support and coverage for Building and Plumbing disciplines.

Construction Official and Building, Electrical and Plumbing Subcode Official

Lawnside, New Jersey

Duane was responsible for performing plan review duties in compliance with the New Jersey Uniform Construction Code in the Building discipline. He also utilized additional licensure to provide support to other disciplines and perform construction inspections and local code enforcement.

Construction Official/Director of Inspections/Zoning Officer

Willingboro, New Jersey

Duane had management and supervisory responsibility for all code enforcement personnel, Uniform Construction Code personnel, and Fire Official and Zoning Official personnel including budgeting, employee evaluation, scheduling and training. As a Safety Officer, he was responsible for ensuring compliance with OSHA/PEOSHA guideline along with other federal and state requirements. He also performed plans review and approvals on all levels of construction projects and miscellaneous field inspections as needed. His additional associated titles included Building and Electrical Subcode Official.



Years with UES

1

Years with Other Firms

22

Licenses

- Standard Plans Examiner
PX1482
- Standard Inspection
Examiner BN3283

Thomas D. Timmins

Plans Examiner

Tom is a building inspector with over 23 years of experience. He has worked for Orange County as a Plumbing and Gas Inspector and last years he was the County's Commercial Plumbing/Gas Plans examiner. He is familiar with both rolled plans and E-plans submitted through the Dox system.

PROJECT EXPERIENCE

Orange County Government

Orange County, Florida

Tom was the plumbing and gas inspector for Orange County. He was responsible for plumbing and gas inspections on all commercial, industrial, institutional and residential in Orange County. Tom served as the County plumbing and gas commercial plans examiner for the past year.



Experience

BS, Building Construction,
Auburn University

Years with UES

3

Years with Other Firms

25

Certifications

- ICC Building Code Official
- ICC Building Inspector
General Contractor, FL
- ICC Building Plans
Examiner
- ICC Commercial
Combination Inspector
- ICC Electrical Code
Official
- ICC Housing Code Official
- ICC Master Code
Professional
- ICC Mechanical Code
Official
- ICC Mechanical Inspector
- ICC Mechanical Plans
Examiner
- ICC Plumbing Code
Official
- ICC Plumbing Inspector
- ICC Plumbing Plans
Examiner
- ICC Property Maintenance
& Housing Inspector
- ICC Residential
Combination Inspector

John Jackson

Plans Examiner / Building Inspector

John has nearly three decades of experience as a Building Code Administrator. He is well-versed in working with municipal or county governments for requirements including permitting and compliance with building, plumbing, mechanical, electrical, gas, fire prevention, energy, accessibility, and other construction codes.

PROJECT EXPERIENCE

City of Belle Isle Professional Building Department Services Continuing Contract

Belle Isle, Florida

Under a continuing contract with the City of Belle Isle to provide professional building department services, John provided plan review services on various residential and commercial structures.

City of Lakeland Professional Building Department Services Continuing Contract

Lakeland, Florida

Under a continuing contract with the City of Lakeland to provide professional building department services, John provided plan review services on various residential and commercial structures.

City of Casselberry Building Division, Professional Building Department Services

Casselberry, Florida

Under a continuing contract with the City of Casselberry to provide professional building department services, John provided plan review services on various residential and commercial structures.



Years with UES

5

Years with Other Firms

10

Licenses

- Standard Inspector, FL
- Standard Plans Examiner, FL

Certifications

- ICC Commercial Building Inspector
- ICC Commercial Electrical Inspector
- ICC Commercial Mechanical Inspector
- ICC Commercial Mechanical Plan Examiner
- ICC Commercial Plumbing Inspector
- ICC Residential Energy Inspector/Examiner

Karl E. McGuire, BN, PX

Multi-Licensed Code Compliance Inspector / Building Inspector

Karl is a highly experienced professional with 15 years of experience in quality assurance and mechanical, electrical, and plumbing (BMEP) code compliance inspection. With extensive knowledge of the Florida Building Code requirements, he holds Florida standard plans examination licensing and special qualifications for mechanical systems. He is well-versed in ensuring compliance with the Florida State Building Code, contract documents, and specifications. He routinely certifies completion of sites by conducting final physical inspections.

Karl also has over 20 years of experience working as a Florida-licensed HVAC Class "A" contractor and 12 years as a certified electrical contractor and steel re-bar contractor.

PROJECT EXPERIENCE

City of Belle Isle Professional Building Department Services Continuing Contract

Belle Isle, Florida

Under a continuing contract with the City of Belle Isle to provide professional building department services, Karl provided code compliance inspection and plan review services on various residential and commercial structures.

City of Casselberry Professional Building Department Services Continuing Contract

Belle Isle, Florida

Under a continuing contract with the City of Casselberry to provide professional building department services, Karl provided code compliance inspection and plan review services on various residential and commercial structures.

Private Provider (Alternative) Professional Building Inspection Services, Lockheed Martin (Sand Lake Road), 5600 Sand Lake Road

Orlando, Florida

UES provided multi-discipline inspections on an as-needed basis for current building construction projects at Lockheed Martin's facilities. Karl provided code compliance inspection services on various structures for this contract.

Private Provider (Alternative) Professional Building Inspection Services, RaceTrac #246 Remodel, 5985 W. Irlo Bronson Memorial Highway

Kissimmee, Osceola County, Florida

Karl provided multi-discipline (electrical, mechanical, plumbing, steel framing) code compliance inspection services on this project involving the renovation of an existing RaceTrac gas station and convenience store.

Private Provider (Alternative) Professional Building Inspection Services, Avilla Subdivision

Kissimmee, Osceola County, Florida

Karl provided multi-discipline (electrical, mechanical, plumbing, steel framing) code compliance inspection services on this project involving the renovation of one- and two-story single-family homes in the Avilla Subdivision development located in Kissimmee, Florida. These homes vary in size from approximately 2,100 SF to 3,300 SF of living area.

**Years with UES**

2

Years with Other Firms

27

Licenses

- Building Code Administrator

Certifications

- Standard Inspector, FL

Jay Abel, BN**Building Inspector**

Jay Abel has over four decades of construction-related experience, including one- and two-family dwellings, commercial electric, commercial mechanical, commercial plumbing, commercial building, and building official.

PROJECT EXPERIENCE**Jacobs Engineering/Lockheed Martin**

Lake Underhill, Orlando, Florida

UES provided ongoing code compliance inspection services for Lockheed Martin at their Lake Underhill campus, as well as for their top supplier, Jacobs Engineering. This flexible contract allowed for the client to request a full-time, part-time, or as-needed Inspector depending on business needs. Jay served as a Code Compliance Inspector for this project.

Clermont Ridge Senior Villas

Clermont, Florida

Jay served as a multi-licensed Building Inspector for the construction of multi-family villas totaling 45,565 SF in size.

Creation Village, Phase II

Celebration, Florida

Jay served as a multi-licensed Building Inspector for construction of a 26,000 SF preparatory school for Liberty Partners Development, LLC.

Ette Hotel

Kissimmee, Florida

Jay served as a multi-licensed Building Inspector for construction of six-story, 126-room, 82,442 SF hotel. This project also included accessory buildings such as a dumpster enclosure and a pool.

Ferrari/Maserati of Central Florida

Orlando, Florida

Jay served as a multi-licensed Building Inspector for this new auto dealership consisting of approximately 40,000 SF of conditioned space and a structural parking deck.

Four Seasons at Orlando Subdivision

Kissimmee, Florida

Jay served as a multi-licensed Building Inspector for hundreds of new single family homes in this K. Hovnanian Homes subdivision.

Galileo Charter School

Sanford, Florida

Jay served as a multi-licensed Building Inspector for this project with Building Hope, which included two, two-story school buildings totaling 56,530 SF.

Integra Crossings Apartments

Sanford, Florida

Jay served as a multi-licensed Building Inspector for this Integra Land Company apartment complex comprised of twenty-one multi-story, multi-family residential buildings totaling 338,016 SF. The project also included many accessory buildings and garages.

Legado Subdivision

Windermere, Florida

Jay served as a multi-licensed Building Inspector for this Mattamy Orlando, LLC project located in Orange County. The project involved forty-seven single family residences between 1,601 and 5,331 SF and 113 two-story single-family townhomes between 1,500 to 1,700 SF.

Magnolia at Westside Subdivision

Kissimmee, Florida

Jay served as a multi-licensed Building Inspector for this KB Home Central Florida project involving 245 new one- and two-story single family homes between 1,900 and 4,400 SF.



Years with UES

4

Years with Other Firms

40

Licenses

- Standard Inspector, FL
- Standard Plans Examiner, FL
- State Registered Electrical Contractor (Current, Inactive)

Certifications

- ICC Commercial Building Inspector
- ICC Commercial Electrical Inspector
- ICC Commercial Mechanical Inspector
- ICC Electrical Plans Examiner
- ICC Mechanical Plans Examiner

William (Don) Moody, BN, PX

Multi-Licensed Code Compliance Inspector / Building Inspector

Don Moody has 44 years of construction-related experience including electrical contracting. He is a Florida-licensed building code plans examiner and inspector. His professional career includes 15 years of service as a municipal code compliance inspector/plans examiner performing building code compliance inspection and plans examination. His industry experience has involved various types of commercial and residential building construction ranging from small, single-family dwellings to large multi-story and multi-family structures. His main responsibilities as a building inspector/plans examiner include inspecting for code compliance and quality assurance per the approved plans, documents and project specifications; generating field reports for any code or specifications violations; and meeting with contractors to resolve field issues. Don's experience includes over four years serving the City of St. Cloud Building Department as a commercial electrical inspector, commercial mechanical inspector, commercial building inspector, and a standard inspector.

PROJECT EXPERIENCE

Town of Windermere Professional Building Department Services Continuing Contract

Orange County, Florida

Under UES's continuing contract with the Town of Windermere to provide professional building department services, Don provides code compliance inspection and plan review services on various residential and commercial structures.

City of Belle Isle Professional Building Department Services Continuing Contract

Orange County, Florida

Under UES's continuing contract with the City of Belle Isle to provide professional building department services, Don provides code compliance inspection and plan review services on various residential and commercial structures.

City of Casselberry Professional Building Department Services Continuing Contract

Orange County, Florida

Under UES's continuing contract with the City of Casselberry to provide professional building department services, Don provides code compliance inspection and plan review services on various residential and commercial structures.

City of Lakeland Professional Building Department Services Continuing Contract

Orange County, Florida

Under UES's continuing contract with the City of Lakeland to provide professional building department services, Don provides code compliance inspection and plan review services on various residential and commercial structures.

Town of Eatonville Professional Building Department Services Continuing Contract

Orange County, Florida

Under UES's continuing contract with the Town of Eatonville to provide professional building department services, Don provides code compliance inspection and plan review services on various residential and commercial structures.

**Years of Experience**

10

Licenses & Certifications

- Certified Fire Safety Inspector, FL

Russell Moore

Fire Safety Inspector

PROJECT EXPERIENCE**Fire Safety Inspections**

Orange County, Florida

Trained in performing Life Safety Inspections with a view to occupancy fire safety. Trained in NFPA 1, NFPA 101, Florida 69A Codes, Florida Statutes and Local Ordinances and proper enforcement principles and techniques. Trained to conduct Fire Safety Inspections on various occupancy types, including but not limited to Day Cares, Private Schools, use permit new business occupancy uses, ambulatory health care facilities, and more. Secondary duties involve some emergency response help, such as roadside assistance in events of auto accidents, CPR training, and emergency situation assistance, including hurricane or natural disaster response work, in association and for supplementation of first responders.

Orange County Fire Rescue - Equipment Operator 1

Orange County, Florida

In addition to performing the same tasks as Technician On-Call, Mr. Moore performed them as as a full-time employee, serving on a more permanent and regular basis and as the regular supply truck driver. Extra duties with new position include training new On-Call technicians in his area of responsibility.

Orange County Fire Rescue - Technician On-Call

Orange County, Florida

Pulling and processing of Fire Station EMS and Janitorial/office supply orders; packing and preparing such orders for delivery; assisting the delivery truck driver with deliveries; handling, processing, and issuing O2 cylinders for fire department use; delivery of ordered clothing items for fire personnel and track-it specialty items and processing receipts of such; training in repair and maintenance of Firefighter PPE, including bunker coat, pants, helmets, and boots; keeping inventory of such equipment; and certified forklift training and use pertaining to a warehouse setting.

The Nassal Company

Orange County, Florida

General training and knowledge of use of construction tools, techniques, and equipment, specifically a K-12, shotcrete pump operation, concrete pouring hoses and similar equipment, re-bar manipulation, lathe and tie-wire, tablesaws, generators, scissorlifts, and other; general knowledge of scaffolding, such as setting up and taking down, and familiarization of related OSHA standards, fire safety and watch related to welding near sensitive amusement ride related equipment; typical construction site housekeeping and maintenance of standard of cleanliness and organization; and miscellaneous strenuous labor as well as operation of construction vehicles.

UES AND PERSONNEL LICENSES

Licensee Details

Licensee Information

Name: **UNIVERSAL ENGINEERING SCIENCES, LLC (Primary Name)**
Main Address: **3532 MAGGIE BOULEVARD
ORLANDO Florida 328116697**
County: **ORANGE**
License Mailing:
LicenseLocation:

License Information

License Type: **Registry**
Rank: **Registry**
License Number: **549**
Status: **Current**
Licensure Date: **04/27/1983**
Expires:

Special Qualifications **Qualification Effective**

Alternate Names

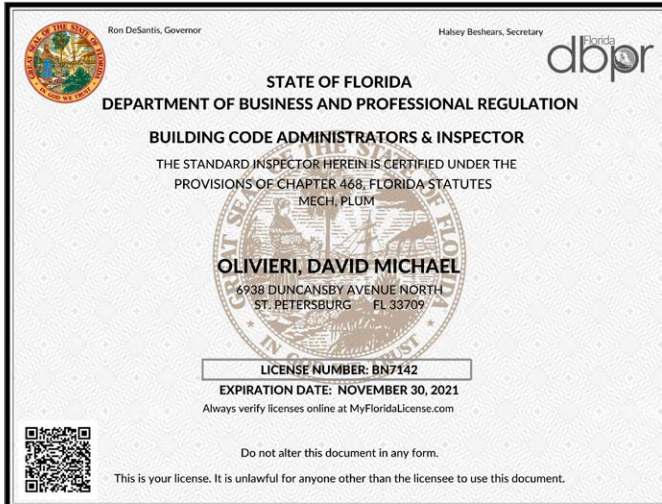
[View Related License Information](#)

[View License Complaint](#)

[2601 Blair Stone Road, Tallahassee FL 32399](#) :: Email: [Customer Contact Center](#) :: Customer Contact Center: 850.487.1395

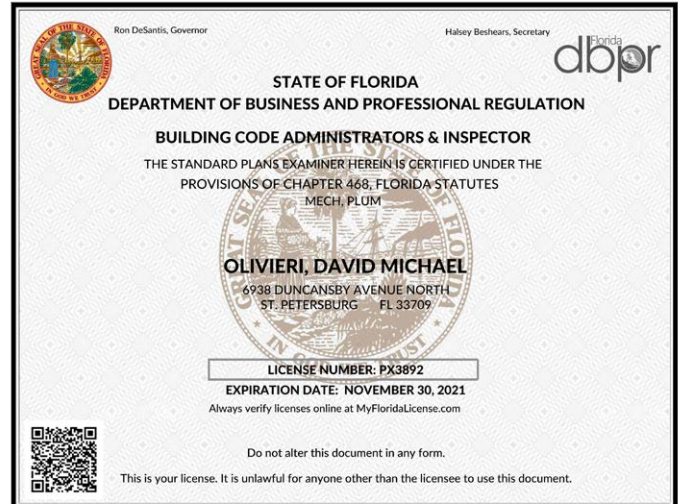
The State of Florida is an AA/EEO employer. [Copyright 2007-2010 State of Florida. Privacy Statement](#)

Under Florida law, email addresses are public records. If you do not want your email address released in response to a public-records request, do not send electronic mail to this entity. Instead, contact the office by phone or by traditional mail. If you have any questions, please contact 850.487.1395. *Pursuant to Section 455.275(1), Florida Statutes, effective October 1, 2012, licensees licensed under Chapter 455, F.S. must provide the Department with an email address if they have one. The emails provided may be used for official communication with the licensee. However email addresses are public record. If you do not wish to supply a personal address, please provide the Department with an email address which can be made available to the public.



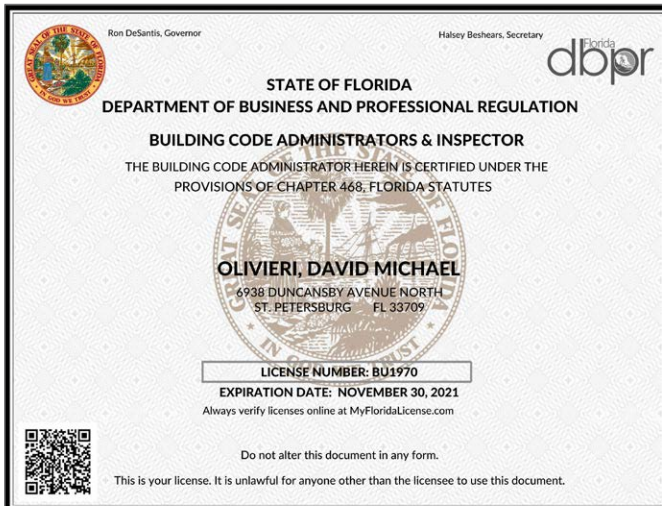
David M. Olivieri, CBO, CFM

Standard Inspector License #BN7142



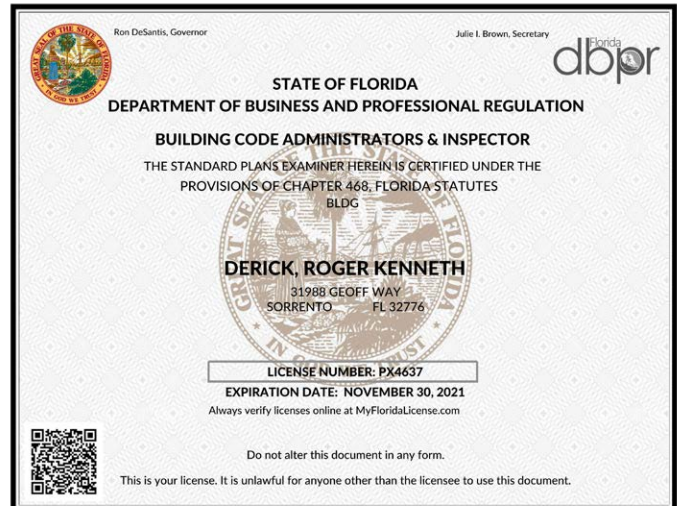
David M. Olivieri, CBO, CFM

Standard Plans Examiner License #PX3892



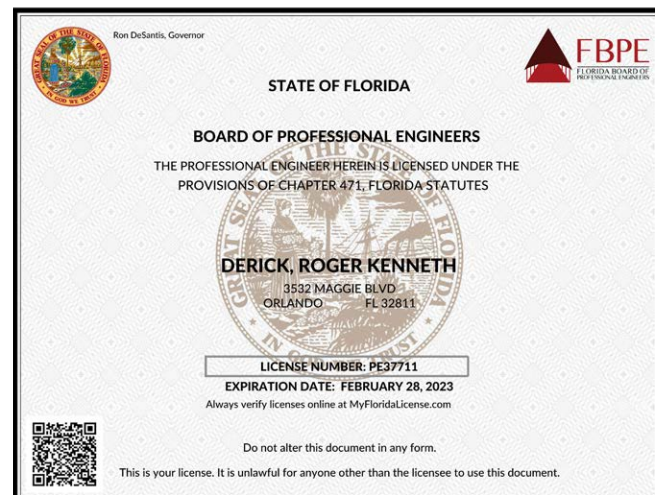
David M. Olivieri, CBO, CFM

Building Code Administrator License #BU1970



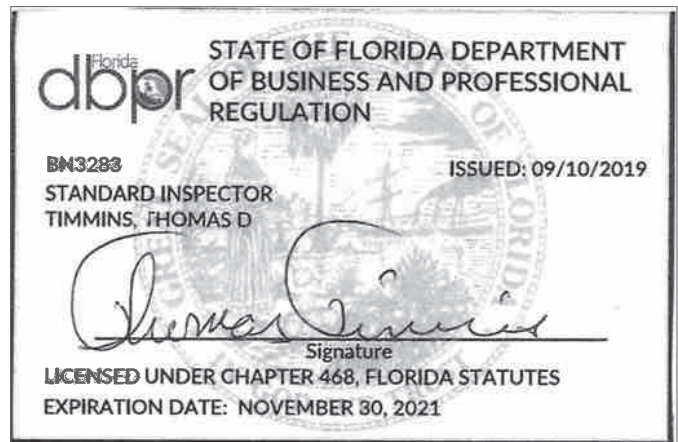
R. Kenneth Derick, MS, CBO, PE

Standard Plans Examiner License #PX4637



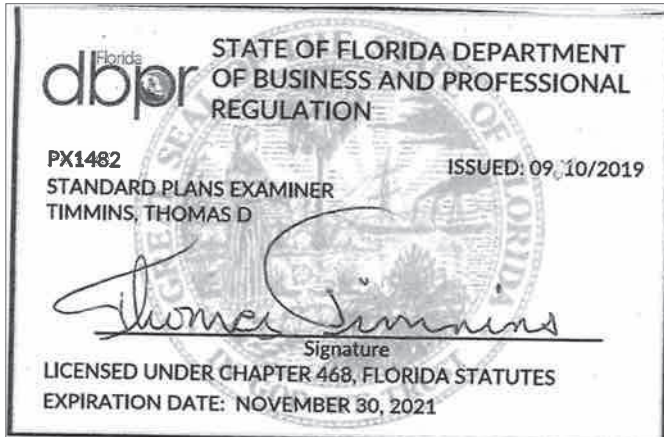
R. Kenneth Derick, MS, CBO, PE

Professional Engineer License #PE37711



Thomas Timmins

Standard Inspector License #BN3283



Thomas Timmins

Standard Plans Examiner License #PX1482

Licensee Details	
Licensee Information	
Name:	MCGUIRE, KARL EUGENE (Primary Name)
Main Address:	*Private Address* *Private Address* *Private Address* *Private Address*
License Mailing:	*Private Address* *Private Address* *Private Address* *Private Address*
LicenseLocation:	*Private Address* *Private Address* *Private Address* *Private Address*
License Information	
License Type:	Standard Inspector
Rank:	Inspector
License Number:	BN5498
Status:	Current,Active
Licensure Date:	09/29/2006
Expires:	11/30/2021
Special Qualifications	
Building	10/28/2014
Electrical Inspector	09/04/2007
Mechanical	09/29/2006
Plumbing	02/27/2008

Karl McGuire

Standard Inspector License #BN5498

Licensee Details	
Licensee Information	
Name:	WALLACE, DUANE JAMES (Primary Name)
Main Address:	*Private Address* *Private Address* *Private Address* *Private Address*
License Mailing:	
LicenseLocation:	
License Information	
License Type:	Building Code Administrator
Rank:	Building Code A
License Number:	BU1988
Status:	Current,Active
Licensure Date:	02/21/2018
Expires:	11/30/2021

Duane Wallace

Building Code Administrator License #BU1988

Licensee Details	
Licensee Information	
Name:	MCGUIRE, KARL EUGENE (Primary Name)
Main Address:	*Private Address* *Private Address* *Private Address* *Private Address*
License Mailing:	
LicenseLocation:	*Private Address* *Private Address* *Private Address* *Private Address*
License Information	
License Type:	Standard Plans Examiner
Rank:	Plans Examiner
License Number:	PX2788
Status:	Current,Active
Licensure Date:	10/10/2006
Expires:	11/30/2021
Special Qualifications	
Mechanical	10/10/2006

Karl McGuire

Standard Plans Examiner License #PX2788

Licensee Details	
Licensee Information	
Name:	ABEL, JAY DOUGLAS (Primary Name)
Main Address:	*Private Address* *Private Address* *Private Address* *Private Address*
License Mailing:	
LicenseLocation:	
License Information	
License Type:	Building Code Administrator
Rank:	Building Code A
License Number:	BU1955
Status:	Current,Active
Licensure Date:	12/30/2016
Expires:	11/30/2021

Jay Abel

Building Code Administrator License #BU1955

Licensee Details	
Licensee Information	
Name:	ABEL, JAY DOUGLAS (Primary Name)
Main Address:	*Private Address* *Private Address* *Private Address* *Private Address*
License Mailing:	*Private Address* *Private Address* *Private Address* *Private Address*
LicenseLocation:	
License Information	
License Type:	Standard Inspector
Rank:	Inspector
License Number:	BN4928
Status:	Current,Active
Licensure Date:	02/21/2005
Expires:	11/30/2021
Special Qualifications	
Building	12/29/2016
Electrical Inspector	04/13/2011
Residential	02/21/2005
Mechanical	10/11/2011
Plumbing	08/31/2016

Jay Abel

Standard Inspector License #BN4928

Licensee Details	
Licensee Information	
Name:	MOODY, WILLIAM DONOVAN (Primary Name)
Main Address:	*Private Address* *Private Address* *Private Address* *Private Address* *Private Address*
License Mailing:	
LicenseLocation:	
License Information	
License Type:	Standard Plans Examiner
Rank:	Plans Examiner
License Number:	PX2839
Status:	Current,Active
Licensure Date:	01/12/2007
Expires:	11/30/2021
Special Qualifications	
	Qualification Effective
Electrical	01/12/2007
Mechanical	08/18/2009

William Moody

Standard Plans Examiner License #PX2839

Licensee Details	
Licensee Information	
Name:	MOODY, WILLIAM DONOVAN (Primary Name)
Main Address:	*Private Address* *Private Address* *Private Address* *Private Address* *Private Address*
License Mailing:	
LicenseLocation:	
License Information	
License Type:	Standard Inspector
Rank:	Inspector
License Number:	BN4489
Status:	Current,Active
Licensure Date:	02/13/2003
Expires:	11/30/2021
Special Qualifications	
	Qualification Effective
Building	04/30/2004
Electrical Inspector	02/13/2003
Mechanical	10/13/2003
Plumbing	10/23/2017

William Moody

Standard Inspector License #BN4489

Licensee Details	
Licensee Information	
Name:	DERICK, ROGER KENNETH (Primary Name)
Main Address:	*Private Address* *Private Address* *Private Address* *Private Address* *Private Address*
License Mailing:	
LicenseLocation:	
License Information	
License Type:	Standard Inspector
Rank:	Inspector
License Number:	BN8183
Status:	Current,Active
Licensure Date:	02/17/2021
Expires:	11/30/2021
Special Qualifications	
	Qualification Effective
Building	02/17/2021

R. Kenneth Derick, MS, CBO, PE

Standard Inspector License #BN8183

Licensee Details	
Licensee Information	
Name:	DERICK, ROGER KENNETH (Primary Name)
Main Address:	*Private Address* *Private Address* *Private Address* *Private Address* *Private Address*
License Mailing:	
LicenseLocation:	
License Information	
License Type:	Building Code Administrator
Rank:	Building Code A
License Number:	BU2121
Status:	Current,Active
Licensure Date:	11/18/2020
Expires:	11/30/2021

R. Kenneth Derick, MS, CBO, PE

Building Code Administrator License #BU2121

Licensee Details	
Licensee Information	
Name:	WALLACE, DUANE JAMES (Primary Name)
Main Address:	*Private Address* *Private Address* *Private Address* *Private Address* *Private Address*
License Mailing:	
LicenseLocation:	
License Information	
License Type:	Residential Plans Examiner
Rank:	Residential
License Number:	RPX290
Status:	Current,Active
Licensure Date:	03/28/2018
Expires:	11/30/2021
Special Qualifications	
	Qualification Effective

Duane Wallace

Residential Plans Examiner License #RPX290

Licensee Details	
Licensee Information	
Name:	WALLACE, DUANE JAMES (Primary Name)
Main Address:	*Private Address* *Private Address* *Private Address* *Private Address* *Private Address*
License Mailing:	
LicenseLocation:	
License Information	
License Type:	Standard Plans Examiner
Rank:	Plans Examiner
License Number:	PX4220
Status:	Current,Active
Licensure Date:	02/12/2019
Expires:	11/30/2021
Special Qualifications	
	Qualification Effective
Building	02/12/2019
Electrical	02/12/2019
Mechanical	07/01/2020
Plumbing	02/12/2019

Duane Wallace

Standard Plans Examiner License #PX4220

Licensee Details	
Licensee Information	
Name:	WALLACE, DUANE JAMES (Primary Name)
Main Address:	*Private Address* *Private Address* *Private Address* *Private Address* *Private Address*
License Mailing:	
LicenseLocation:	
License Information	
License Type:	Standard Inspector
Rank:	Inspector
License Number:	BN7340
Status:	Current,Active
Licensure Date:	02/21/2018
Expires:	11/30/2021
Special Qualifications	
Qualification Effective	
Building	02/21/2018
Electrical Inspector	02/21/2018
Residential	02/21/2018
Mechanical	02/21/2018
Plumbing	02/21/2018

Duane Wallace

Standard Inspector License #BN7340

Licensee Details	
Licensee Information	
Name:	JACKSON, JOHN (Primary Name)
Main Address:	*Private Address* *Private Address* *Private Address* *Private Address* *Private Address*
License Mailing:	
LicenseLocation:	*Private Address* *Private Address* *Private Address* *Private Address* *Private Address*
License Information	
License Type:	Standard Inspector
Rank:	Inspector
License Number:	BN906
Status:	Current,Active
Licensure Date:	04/20/1994
Expires:	11/30/2021
Special Qualifications	
Qualification Effective	
Building	
Coastal Construction	
Commercial Electric	11/21/2006
Mechanical	11/21/2006
Plumbing	

John Jackson

Standard Inspector License #BN906

Licensee Details	
Licensee Information	
Name:	JACKSON, JOHN (Primary Name)
Main Address:	*Private Address* *Private Address* *Private Address* *Private Address* *Private Address*
License Mailing:	
LicenseLocation:	*Private Address* *Private Address* *Private Address* *Private Address* *Private Address*
License Information	
License Type:	Building Code Administrator
Rank:	Building Code A
License Number:	BU333
Status:	Current,Active
Licensure Date:	04/20/1994
Expires:	11/30/2021

John Jackson

Building Code Administrator License #BU333

Licensee Details	
Licensee Information	
Name:	JACKSON, JOHN (Primary Name)
Main Address:	*Private Address* *Private Address* *Private Address* *Private Address* *Private Address*
License Mailing:	
LicenseLocation:	*Private Address* *Private Address* *Private Address* *Private Address* *Private Address*
License Information	
License Type:	Standard Plans Examiner
Rank:	Plans Examiner
License Number:	PX399
Status:	Current,Active
Licensure Date:	04/20/1994
Expires:	11/30/2021

John Jackson

Standard Plans Examiner License #PX399



Russell Moore

Fire Safety Inspector I Certification



Russell Moore

Fire Safety Inspector II Certification



SECTION 2

Forms

ATTACHMENT 1 – SUBMITTAL FORM

21-0937

The undersigned hereby declares that: Universal Engineering Sciences, LLC has examined and accepts the specifications, terms, and conditions presented in this Solicitation, satisfies all legal requirements to do business with the County, and to furnish **Building Plan Review and Inspection Services (Not Engineering)** for which Submittals were advertised to be received no later than 3:00 P.M. Eastern time on the date stated in the solicitation or as noted in an addenda. Furthermore, the undersigned is duly authorized to execute this document and any contracts or other transactions required by award of this Solicitation.

All pricing will be FOB Destination unless otherwise specified in this solicitation document. Pricing submitted will remain valid for a ninety (90) day period.

Vendor will accept payment through the County Credit Card-based payment system: YES

1.0 TERM OF CONTRACT

The Contract will be awarded for an initial one (1) year term with the option for two (2) subsequent two (2) year renewals. Renewals are contingent upon mutual written agreement.

The Contract will commence upon, the first day of the next calendar month after Board approval. The Contract remains in effect until completion of the expressed and implied warranty periods. The County reserves the right to negotiate for additional services/items similar in nature not known at time of solicitation.

2.0 METHOD OF PAYMENT

The Contractor must submit an accurate invoice to the County's using department's email. The date of the invoice must be after delivery but no more than 30 calendar days after delivery. Invoices must reference the: purchase or task order; delivery date, delivery location, and corresponding packing slip or delivery ticket signed by a County representative at the time of acceptance. Failure to submit invoices in the prescribed manner will delay payment.

Payments will be tendered in accordance with the Florida Prompt Payment Act, Part VII, Chapter 218, Florida Statutes. The County will remit full payment on all undisputed invoices within 45 days from receipt by the appropriate County using department. The County will pay interest not to exceed 1% per month on all undisputed invoices not paid within 30 days after the due date.

3.0 CERTIFICATION REGARDING LAKE COUNTY TERMS AND CONDITIONS:

I certify that I have reviewed the [General Terms and Conditions for Lake County Florida](#) and accept the Lake County General Terms and Conditions dated 5/6/21 as written including the Proprietary/Confidential Information section. YES Failure to acknowledge may result in Submittal being deemed non-responsive.

4.0 CERTIFICATION REGARDING FELONY CONVICTION:

Has any officer, director, or an executive performing equivalent duties, of the bidding entity been convicted of a felony during the past ten (10) years? NO

5.0 CONFLICT OF INTEREST DISCLOSURE CERTIFICATION:

Except as listed below, no employee, officer, or agent of the firm has any conflicts of interest, real or apparent, due to ownership, other clients, contracts, or interests associated with this project; and, this Submittal is made without prior understanding, agreement, or connection with any

ATTACHMENT 1 – SUBMITTAL FORM**21-0937**

corporation, firm, or person submitting a proposal for the same services, and is in all respects fair and without collusion or fraud. N/A

6.0 CERTIFICATION REGARDING BACKGROUND CHECKS:

Under any County Contract that involves Contractor or subcontractor personnel working in proximity to minors, the Vendor hereby confirms that any personnel so employed will have successfully completed an initial, and subsequent annual, Certified Background Check, completed by the Contractor at no additional cost to the County. The County retains the right to request and review any associated records with or without cause, and to require replacement of any Contractor employee found in violation of this requirement. Contractor shall indemnify the County in full for any adverse act of any such personnel in this regard. Additional requirements may apply in this regard as included within any specific contract award. YES

7.0 DISADVANTAGED BUSINESS ENTERPRISE PROGRAM

The County does not establish specific goals for minority set-asides however, participation by minority and non-minority qualified firms is strongly encouraged. If the firm is a minority firm or has obtained certification by the State of Florida, Office of Supplier Diversity, (OSD) (CMBE), please indicate the appropriate classification(s) not applicable not applicable and enter OSD Certification Number N/A and enter effective date N/A to date N/A

8.0 RECIPROCAL VENDOR PREFERENCE:

Vendors are advised the County has established, under Lake County Code, Chapter 2, Article VII, Sections 2-221 and 2-222; a process under which a local vendor preference program applied by another county may be applied in a reciprocal manner within Lake County. The following information is needed to support application of the Code:

- A. Primary business location of the responding Vendor: 3532 Maggie Blvd., Orlando, FL 32811
- B. Does the responding vendor maintain a significant physical location in Lake County at which employees are located and business is regularly transacted: NO If “yes” is checked, provide supporting detail: N/A

9.0 GENERAL VENDOR INFORMATION:

Firm Name: Universal Engineering Sciences, LLC

Street Address: 3532 Maggie Boulevard

City: Orlando State and ZIP Code: Florida 32811

Mailing Address (if different): N/A

Telephone: 407-423-0504 Fax: 407-423-3106

Federal Identification Number / TIN: 59-1117804

DUNS Number: 06-481-7562

10.0 SUBMITTAL SIGNATURE:

I hereby certify the information indicated for this Submittal is true and accurate and that my electronic signature shall have the same legal effect as if made under oath; that I am an authorized representative of this Vendor and/or empowered to execute this Submittal on behalf of the Vendor.

ATTACHMENT 1 – SUBMITTAL FORM

21-0937

I, individually and on behalf of the Vendor, acknowledge and agree to abide by all terms and conditions contained in this solicitation as well as any attachments, exhibits, or addenda.

Name of Legal Representative Submitting this Proposal: *David Olivieri, CBO, CFM*

Date: 8/11/2021

Print Name: David Olivieri, CBO, CFM

Title: Building Inspection Department Manager

Primary E-mail Address: dolivieri@universalengineering.com

Secondary E-mail Address: N/A

The individual signing this Submittal affirms that the facts stated herein are true and that the response to this Solicitation has been submitted on behalf of the aforementioned Vendor.

[The remainder of this page is intentionally blank]

2021 FLORIDA LIMITED LIABILITY COMPANY ANNUAL REPORT

DOCUMENT# L20000003595

Entity Name: UNIVERSAL ENGINEERING SCIENCES, LLC

Current Principal Place of Business:

3532 MAGGIE BLVD
ORLANDO, FL 32811

Current Mailing Address:

3532 MAGGIE BLVD
ORLANDO, FL 32811 US

FEI Number: 59-1117804

Certificate of Status Desired: Yes

Name and Address of Current Registered Agent:

CORPORATION SERVICE COMPANY
1201 HAYS ST
TALLAHASSEE, FL 32301 US

The above named entity submits this statement for the purpose of changing its registered office or registered agent, or both, in the State of Florida.

SIGNATURE:

Electronic Signature of Registered Agent

Date

Authorized Person(s) Detail :

Title AMBR
Name OBSIDIAN GROUP ACQUISITIONS,
 INC.
Address 525 S FLAGLER DR
 C/O PALM BEACH CAPITAL STE 201
City-State-Zip: WEST PALM BEACH FL 33401

Title CEO
Name ISRAEL, MARK
Address 3532 MAGGIE BLVD
City-State-Zip: ORLANDO FL 32811

I hereby certify that the information indicated on this report or supplemental report is true and accurate and that my electronic signature shall have the same legal effect as if made under oath; that I am a managing member or manager of the limited liability company or the receiver or trustee empowered to execute this report as required by Chapter 605, Florida Statutes; and that my name appears above, or on an attachment with all other like empowered.

SIGNATURE: MELVIN RODRIGUEZ

VP OF FINANCE

01/08/2021

Electronic Signature of Signing Authorized Person(s) Detail

Date

Form **W-9**
(Rev. October 2018)
Department of the Treasury
Internal Revenue Service

**Request for Taxpayer
Identification Number and Certification**

**Give Form to the
requester. Do not
send to the IRS.**

► Go to www.irs.gov/FormW9 for instructions and the latest information.

Print or type.
See Specific Instructions on page 3.

1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank.
Universal Engineering Sciences, LLC

2 Business name/disregarded entity name, if different from above

3 Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only **one** of the following seven boxes.

Individual/sole proprietor or single-member LLC C Corporation S Corporation Partnership Trust/estate

Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ► **S**

Note: Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check LLC if the LLC is classified as a single-member LLC that is disregarded from the owner unless the owner of the LLC is another LLC that is **not** disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner.

Other (see instructions) ►

4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):

Exempt payee code (if any) _____

Exemption from FATCA reporting code (if any) _____

(Applies to accounts maintained outside the U.S.)

5 Address (number, street, and apt. or suite no.) See instructions.
3532 Maggie Blvd

6 City, state, and ZIP code
Orlando, FL 32811

7 List account number(s) here (optional)

Requester's name and address (optional)

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN*, later.

Note: If the account is in more than one name, see the instructions for line 1. Also see *What Name and Number To Give the Requester* for guidelines on whose number to enter.

Social security number

or

Employer identification number

5	9		-	1	1	1	7	8	0	4
---	---	--	---	---	---	---	---	---	---	---

Part II Certification

Under penalties of perjury, I certify that:

- The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
- I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
- I am a U.S. citizen or other U.S. person (defined below); and
- The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

Sign Here Signature of U.S. person ►  Date ► **1/4/2021**

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to www.irs.gov/FormW9.

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following.

- Form 1099-INT (interest earned or paid)

- Form 1099-DIV (dividends, including those from stocks or mutual funds)
 - Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
 - Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
 - Form 1099-S (proceeds from real estate transactions)
 - Form 1099-K (merchant card and third party network transactions)
 - Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
 - Form 1099-C (canceled debt)
 - Form 1099-A (acquisition or abandonment of secured property)
- Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding, later.

ADDENDUM NO. 1

21-0937



REAL FLORIDA • REAL CLOSE
Office of Procurement Services

P.O. Box 7800 • 315 W. Main St., Suite 441 • Tavares, FL 32778

SOLICITATION: Building Plan Review and Inspection Services (Not Engineering)

07/09/2021

Vendors are responsible for the receipt and acknowledgement of all addenda to a solicitation. Confirm acknowledgement by including an electronically completed copy of this addendum with submittal. Failure to acknowledge each addendum may prevent the submittal from being considered for award.

THIS ADDENDUM CHANGES THE DATE FOR RECEIPT OF PROPOSALS TO AUGUST 12, 2021 @ 3:00PM (EST)

ACKNOWLEDGEMENT

Firm Name: Universal Engineering Sciences, LLC

I hereby certify that my electronic signature has the same legal effect as if made under oath; that I am an authorized representative of this vendor and/or empowered to execute this submittal on behalf of the vendor.

Signature of Legal Representative Submitting this Bid: *David Olivieri, CBO, CFM*

Date: 8/3/2021

Print Name: David Olivieri, CBO, CFM

Title: Building Inspection Department Manager

Primary E-mail Address: dolivieri@universalengineering.com

Secondary E-mail Address: kderick@universalengineering.com

ADDENDUM NO. 2

21-0937



P.O. Box 7800 • 315 W. Main St., Suite 441 • Tavares, FL 32778

SOLICITATION: Building Plan and Inspection Services (Not Engineering)

07/29/2021

Vendors are responsible for the receipt and acknowledgement of all addenda to a solicitation. Confirm acknowledgement by including an electronically completed copy of this addendum with submittal. Failure to acknowledge each addendum may prevent the submittal from being considered for award.

THIS ADDENDUM DOES NOT CHANGE THE DATE FOR RECEIPT OF PROPOSALS.

QUESTIONS/RESPONSES

- Question:** Who are the two firms currently contracted to perform these services with Lake County?

Response: The Current Firms under contract for these services are Universal Engineering Sciences, Inc. and American Building Safety Associates, Inc.
- Question:** There is a discrepancy between the submittal deadline presented on the website (8/12) and the one in the solicitation (8/8). Could you please confirm which one of these is the correct deadline?

Response: Reference Addendum No. 1
- Question:** For the checklist items under 5. *Completed Pricing Sheet* in the Solicitation there is one which request "Provide supporting documentation for proposed pricing". Could you please provide some clarification with regards to what kind of supporting documentation Lake County is looking for?

Response: This information to be provided at the discretion of the vendor to justify any of the proposed pricing.
- Question:** In reference to 21-0937_Attachment2-PricingFILLABLEFORM.xlsx, is the acronym "A/E" on the second page (items #2 & #7) supposed to be "Architectural/Engineering?" Please confirm.

Response: "A/E" is in reference to Architectural/Engineering
- Question:** In reference to 21-0937_Attachment2-PricingFILLABLEFORM.xlsx, page one of the pricing sheet indicates that items #8 and #9 are for fire services; however, page 2, item #9's description is "One-time charge for critical/expedited calls," not "Fire Inspector Services." Please clarify.

Response: Remove and replace Attachment 2 – Pricing Sheet with Attachment 2 – REVISED Pricing Sheet
- Question:** On Attachment 4 – Team Composition Form, under the column "Role", there are six (6) positions listed, however on Attachment 2 – Pricing Sheet there are nine (9) "Item

ADDENDUM NO. 2**21-0937**

Description” listed. Can vendors add additional “Roles” to Attachment 4 to match the Items that are listed on Attachment 2?

Response: Additional roles may be added to your submittal

ACKNOWLEDGEMENT

Firm Name: Universal Engineering Sciences, LLC

I hereby certify that my electronic signature has the same legal effect as if made under oath; that I am an authorized representative of this vendor and/or empowered to execute this submittal on behalf of the vendor.

Signature of Legal Representative Submitting this Bid: *David Olivieri, CBO, CFM*

Date: 8/3/2021

Print Name: David Olivieri, CBO, CFM

Title: Building Inspection Department Manager

Primary E-mail Address: dolivieri@universalengineering.com

Secondary E-mail Address: kderick@universalengineering.com

ADDENDUM NO. 3

21-0937



REAL FLORIDA • REAL CLOSE
Office of Procurement Services

P.O. Box 7800 • 315 W. Main St., Suite 441 • Tavares, FL 32778

SOLICITATION: Building Plan and Inspection Services (Not Engineering)

08/03/2021

Vendors are responsible for the receipt and acknowledgement of all addenda to a solicitation. Confirm acknowledgement by including an electronically completed copy of this addendum with submittal. Failure to acknowledge each addendum may prevent the submittal from being considered for award.

THIS ADDENDUM DOES NOT CHANGE THE DATE FOR RECEIPT OF PROPOSALS.

QUESTIONS/RESPONSES

1. **Question:** Would the County consider proposals from qualified vendors for plan review services only?

Response: The County is seeking proposals from qualified vendors that can provide both plan reviews and inspection services.

ACKNOWLEDGEMENT

Firm Name: Universal Engineering Sciences, LLC

I hereby certify that my electronic signature has the same legal effect as if made under oath; that I am an authorized representative of this vendor and/or empowered to execute this submittal on behalf of the vendor.

Signature of Legal Representative Submitting this Bid: *David Olivieri, CBO, CFM*

Date: 8/4/2021

Print Name: David Olivieri, CBO, CFM

Title: Building Inspection Department Manager

Primary E-mail Address: dolivieri@universalengineering.com

Secondary E-mail Address: kderick@universalengineering.com



SECTION 3

Proposed Solution



PROPOSED SOLUTION

PROJECT APPROACH AND UNDERSTANDING OF SCOPE

UES is well-versed in the Florida statutory code compliance nuances and has over 14 years of experience in providing both private provider code compliance services and city/county building department services.

With a growing demand for construction plan review and inspection services, UES has become the most reliable, cost-effective resource for government extension assistance, focusing on assisting our clients in improving their level of service to the community while simultaneously reducing their cost of doing business.

Our staff is certified to meet all the requirements of Florida Statute Chapters 468 Part XIII, 471, 481, and 633, the Florida Building Code, and any other applicable Chapters of The County's Planning and Development Department's codes and ordinances.

Our professional staff consists of multi-certified professionals valued for their experience, professional knowledge, and desire to surpass our clients' expectations.

UES has become a dependable, customer service driven resource. Furthermore, we understand we will be providing Building Code Administrative services, including administration, permitting, building permit inspection, code-compliant inspections, and review of all types of construction plans. We are currently providing as-needed plan review support for multiple municipalities, so UES is uniquely familiar with the plan review workflows.

The Building Official will provide administration, enforcement, and interpretation of local and state codes during all phases of construction. We understand the importance of coordination with Lake County's staff, Lake County's department, and governmental agencies. We will exercise a superior level of professional judgment when resolving any issues that may arise.

UES' staff is professional in every way. Our goal is to blend in seamlessly, representing Lake County with professional and courteous service and become an asset to the Building Official. All staff will accept direction and instructions, while performing their responsibilities independently and in a professional manner with minimal supervision required. UES conducts training and mentoring throughout the year to ensure that this concept is followed by appropriate actions. Hiring professional staff is the base to providing exceptional service.

UES takes pride in providing exceptional service to our customers. Our staff have the necessary training, education, tools, and equipment to perform the services under this contract, including professional uniforms logoed as desired by the County. Our Inspectors are all equipped with late model vehicles with a mobile computing solution with the latest upgrades in hardware and software. This provides staff with enhanced communication abilities. The mobile system allows the inspector to provide real-time inspection results and other documents in the field. In addition, every employee has a smart phone. The cell phone numbers are shared with our municipal partners and our customers, as well.

It is UES' obligation to be cost conscious in our attempts to ensure that our clients' needs are met. We are responsive to the needs of our clients without compromising the integrity of the work and have developed an effective policy in partnering with our clients throughout the term of our contracts. It is our mission to communicate with our clients before and during the work to come to mutually agreeable terms. We intend to provide Lake County with a level of comfort knowing that UES views cost management as a critical concern.



UES maintains full management control over the scheduling and quality of our work. Should a problem arise, we would urge your representative to contact our Senior Management and/or Principals for immediate resolution. Since inception, UES has made a commitment to an "open door" policy with all our clients and employees. We have found this to be a mutually beneficial approach.

You can be assured that if selected for this contract, UES will provide Lake County with exceptional service.

The following process outlines the proposed approach to comply with the scope of services contained in this RFP. UES will maintain quality services to Lake County through stringent permitting and inspection methodologies and effective customer service programs.

RESOURCES

UES' professional engineering consultants consist of state-licensed plan examiners, engineers, architects, and certified building officials. We have grown from a two-person operation to a significant company with over 2,500 employees. Our Building Inspection Department (BID) staff of licensed professionals and certified inspectors can quickly become an extension of your team by seamlessly integrating themselves into your workflow.

They may be counted on to increase the manageability of the permitting and construction process and to handle the complexities of code compliance.

In this era of evolving state-wide Florida Building Code, it is critical to have inspectors and plan reviewers knowledgeable about the latest regulatory statutes. We also understand that rapid turnaround time on plan review and inspections can represent significant savings to developers, owners, and contractors.

Our team's in-depth experience and ability to respond to a project's needs by extending our staff and resources results in a much more fiscally-lean and efficient task.

- Professional engineers and architects
- Building code administrators
- General contractors

- Fire safety inspectors
- Licensed plans examiners and inspectors

OUR CAPABILITIES

PLAN REVIEW AND PERMITTING

UES' Building Official will review all applications for compliance with the submittal requirements including as built surveys, field revisions, design professional letters, elevation designations, and contractors information, as well as obtaining the other necessary agency approvals. The plans will then be routed to the appropriate UES Plans Examiner to obtain the necessary technical reviews for compliance to the Florida Building Code (FBC).

The technical review process will begin no later than one business day after the submittal of a completed application and recording of same. UES will record plan review comments in a "Comment Spreadsheet", referencing the sheet number, comment, and code reference. The comments will remain "open" until resolved by the design teams.

UES staff will meet with architects, engineers, contractors, and other permit holders, when requested, to discuss any questions or problems concerning plans reviews and inspections. UES will also provide assistance to architects/engineers, contractors, and permit holders on building permitting and inspection issues. UES' staff will be available to assist and provide information on building permitting and inspection issues to expedite the process.

A building permit will be issued by the UES' Building Official once he has reviewed and processed construction plans and it is determined that the permit application and supporting documents are in compliance with all governing codes. The permit holder will be notified as to what corrections are required to the plans and documents in order to meet the FBC and other federal, state, and local laws, rules, regulations, directives, codes, and ordinances.

BUILDING OFFICIAL SERVICES

We understand that we will be providing Building Official and Plan Review Services for Lake County. All of our building officials are the State of Florida Certificated as Building Code Administrators, and many hold several other certifications, such as those for fire and electrical.

Building Official duties include:

- Plan review (Commercial & Residential), building inspections (Commercial & Residential), and supervising the activities of the Building Department.
- Conduct, coordinate, and perform all inspections and plan review duties in the following disciplines: building, residential, existing building, mechanical, electrical, plumbing, accessibility, energy conservation, and fuel gas.
- Apply knowledge of Florida Building Code, government policies and office procedures to the day-to-day functions of the Building Department.
- Provide support and guidance for administrative staff questions.
- Provide technical assistance to field inspectors in all matters relating to building.
- Communicate official programs, policies, and procedures to general public.
- Perform in-field inspections.
- Process paperwork for Building Code issues.
- Site plan research regarding new developments.
- Attend staff, commission, and professional organization meetings.

INSPECTION CREDENTIALS:

- Master Code Professional (International Code Council)
- Certified Building Official (International Code Council)
- Certified Building Official (Council of American Building Officials)
- Code Enforcement and Administration Professional (Southern Building Code Congress International)

UES IS CAPABLE OF PROVIDING THE FOLLOWING BUILDING CODE SERVICES:

- | | |
|--|--|
| ▪ Private Provider Inspection and Plan Review Services | ▪ Due Diligence/Property Condition Assessment Services |
| ▪ Quality Assurance Services | ▪ Window Testing |
| ▪ Punchlist Origination Services | ▪ Blower Door Testing |
| ▪ Threshold/Balcony Inspection Services | ▪ Stucco Evaluations |
| ▪ Sound Measurements | ▪ Photometric Studies |
| | ▪ Green Building Evaluation |

INSPECTIONS AND RECORD KEEPING

UES' Inspection staff, upon notification from the permit holder or representing agent, shall make or cause to make, the inspections required by the Florida Building Code; and shall either approve that portion of the work completed, or shall notify the permit holder or representing agent, wherein the same fails to comply by providing a written notice of the violation of the code, and/or corrections ordered. UES will be responsible for producing and signing a fully completed inspection report form indicating whether the inspection passed or failed. UES will post this form at the project site. UES will turn over a complete set of all assigned and completed inspections along with the certificate of occupancy once approved by the building official. UES will also maintain a copy of all project documents for seven years after project close out.

TECHNOLOGY AND EQUIPMENT CAPABILITIES



UES relies upon a comprehensive software system, both licensed and proprietary, to successfully manage our day-to-day operations and all aspects of a project.

At the top level, our company utilizes Microsoft Windows 10 on all PCs in conjunction with Office 365, Sophos Cyber Security, Fortinet Firewall and Ransomware, a secured VPN, and GoToMeeting. But, at the center of our operations side lies Deltek Vision. Vision is an established industry standard and used extensively throughout the A/E/C community.

This software serves as our primary database capturing every project detail, such as the scope of work, duration, sub-consultants used, and direct personnel. It also houses all of our client-based

information and allows for detailed report generation. Another essential function of Vision is billing. The book-keeping capabilities of this component are made possible due to the massive amount of captured project and client information.

To ensure that all of these systems work seamlessly together, UES has on staff a full-time Application Business Analyst and Software Developer. Field Data Collection (FDC) is proprietary software used by UES technicians to gather testing data. Following a client's request for service, a work-order will immediately be created, and a UES field technician will be scheduled and dispatched to the test site.

For this task, the second piece of proprietary software entitled Dispatch is used to manage all incoming requests, the subsequent work-orders, the technician's progress, and the tracking of the samples.

With the use of remote devices in the field, the technician's information is saved and transmitted to our office where, in conjunction with samples taken from the area, lab tests are performed and recorded. The resulting data is uploaded to our dispatch and scheduling application, where reports are generated and reviewed by a project manager for quality. Once approved, the reports are then sent electronically to the client.

This entire process begins and ends with the client—a fact that every UES employee involved in the process understands. We strive to deliver fast, accurate results.

THE FLEET

UES has made it a point to own all of the equipment and vehicles that we use. This lack of debt contributes to our financial stability and gives our field crews and technicians a sense of pride and ownership, resulting in better upkeep and care given to our vehicles.



WORKLOAD OF THE FIRM

UES will be a reliable, trusted, and proven partner to Lake County. Our in-depth experience and ability to respond to the needs of a project by extending our own staff and resources results in a much more fiscally-lean and efficient project.

We have proven that we know how to scale our business, staff, and resources to appropriately and responsibly meet the demands of our clients through countless successful contracts.

We are committed to providing ample resources to this contract (backed by the entire firm) to ensure timely and efficient responses to any task.

SCHEDULE AND OPERATIONS

Reasonable schedules will be developed using standard scheduling techniques, including a project network with critical path layouts and milestone planning during project schedules. During the project's performance, real-time comparisons will be made against the planned project schedule to monitor the progress of the project. Variances between the planned and actual schedule will be closely monitored and investigated to determine if any issues are being encountered.

If issues are encountered, corrective actions will be initiated. When these project cost and schedule issues are identified, the Primary Building Official will characterize the extent of the problem and devise contingency plans as appropriate, such as:

- Direct the allocation of additional resources as necessary to accomplish the work in a timely and cost-effective manner
- Analyze the schedule logic for a change in the sequence of work elements to maintain milestone dates (i.e., expedite upcoming task schedules)
- Establish new dates for task completions/ milestones after consultation with and approval by Lake County

These corrective actions will enable UES to meet established performance goals. UES' network of offices located throughout Florida allows for rapid mobilization to project locations, minimizing travel time. All management and field personnel have smartphones allowing for frequent updates during critical work phases.

Immediate access to laptop PCs also provides for implementing last-minute changes to the work scope as necessary.

As thorough as this process is, UES never forgets that many of our clients require expedited services due to tight schedules. Whether it is speed-to-market demands or site viability, UES will waste no time in providing the professional services necessary for you to make decisions based on our results.



SECTION 4

Subcontractors/ Joint Ventures



SUBCONSULTANTS/JOINT VENTURES

SUBCONSULTANTS/JOINT VENTURES

Universal Engineering Sciences, LLC will be performing all services for Lake County in-house and will not need to utilize subconsultants on this contract.



SECTION 5

Completed Pricing Sheet

ATTACHMENT 2 - PRICING SHEET

Attachment 2 - Pricing Sheet has been uploaded and attached as a separate Excel document.

ATTACHMENT 4 - TEAM COMPOSITION
21-0937
CONSULTANT: UNIVERSAL ENGINEERING SCIENCES

Role	Names	City of Residence	Florida Active Registration Number
Principal-In-Charge/ Program Manager	David Olivieri, CBO, CFM	Orlando, FL	BU1970, BN7142, PX3892
Secondary Building Official	R. Kenneth Derick, PE, CBO	Sorrento, FL	PE7711, BU2121, PX4637, BN8183
Plans Examiner	Duane Wallace	Orlando, FL	BU1988, PX4220, BN7340, RPX290
Plans Examiner	Thomas Timmins	Orlando, FL	PX1482, BN3283
Plans Examiner/ Building Inspector	John Jackson	Orlando, FL	PX399, BN906, BU333
Building Inspector	Karl McGuire	Orlando, FL	PX2788, BN5498
Building Inspector	Jay Abel	Orlando, FL	BU1955, BN4928
Building Inspector	William Moody	Orlando, FL	PX2839, BN4489
Fire Safety Plans Examiner and Inspector	Russell Moore	Orlando, FL	

SUB CONSULTANTS: NONE

Role	Company Name	Individual's Name Assigned	Projected % of Overall Work	Worked with Prime Before (YES/NO)	Individual Worked with Prime Before (YES/NO)
		N/A			



SECTION 6

Financial Stability



Geotechnical Engineering
Construction Materials Testing & Inspection
Building Code Compliance
Occupational Health & Safety
Environmental
Building Envelope

Grounded in Excellence

From: Dan Phan, Chief Accounting Officer

To: Files

Subject: CONFIDENTIAL - Financial Strength Statement

Date: March 2021

Universal Engineering Sciences (the “Company”) is a full service Environmental and Geological consulting organization providing Environmental Consulting, Health & Safety, Geotechnical Engineering, Construction Materials Testing, Inspections, as well as Code Compliance services across a broad spectrum of industries. The Company is considered a pioneer of the industry and stands at the forefront of emerging technology and best practices. Our combined capabilities allow us to deliver cost-effective solutions.

The assessment of a company’s ability to meet its obligations is inherently judgmental; thus, the below quantitative and qualitative information was assessed in aggregate, to determine the financial strength of the company.

Liquidity

Our primary sources of liquidity and capital resources are our cash and cash equivalents balances, cash flow from operations, borrowings capacity under our senior secured credit agreement (comprising of a term loan in the amount of \$77,500,000, a delayed draw term loan of \$68,600,000, and a revolver with a maximum borrowing capacity of \$15,000,000 with sub-limits set for lines of credit and swing-line loans), and access to public and private financial markets.

Our principal uses of cash are operating expenses, working capital requirements, capital expenditures, repayment of debt and acquisition expenditures. We believe our sources of liquidity, including cash flow from operations, existing cash and cash equivalents and borrowing capacity under our credit facility will be sufficient to meet projected cash requirements for the foreseeable future.

As of December 31, 2020, the Company has approximately \$7.4 million of cash and cash equivalents on its balance sheet and generated \$18.4 million of positive operating cash flow. Pro forma gross revenues for the Company exceeded \$200 million for the year ended December 31, 2020. The Company has not been involved in any prior or current bankruptcy proceedings.

Litigation

There is no pending significant litigation whose outcome if unfavorable, probable and estimable has not been accrued for in the consolidated financial statements as of December 31, 2020.

COVID-19

In late 2019, a pneumonia like virus within the Wuhan Province of China was reported to the World Health Organization (“WHO”). On March 11, 2020, the WHO characterized the spread of the virus as a pandemic, and a U.S. National Emergency was declared on March 13, 2020. The outbreak of communicable diseases, or the perception that such an outbreak could occur, could result in a widespread public health crisis that could adversely affect the U.S. economy and its financial markets, resulting in an economic downturn that could negatively impact the demand for our services.

Uncertainty regarding the impact of any outbreak of pandemic or contagious disease, including COVID-19, could lead to increased volatility in the markets in which we operate; however, subsequent to the issuance of the date of the financial statements, we did not experience any negative material impacts to our business.

The Company performs a vital role in supporting the nation’s infrastructure and has continued to provide its broad range of mission-critical, professional geo-technic services in states and local municipalities where construction activity is permitted. As the market dynamics related to COVID-19 continue to evolve, the Company is taking the necessary actions to ensure continued, safe support to its clients and the communities where it operates.

We continue to monitor the credit quality and access to capital for our non-governmental clients as this can be an indication of their ability to go forth with future projects and continue to pay for contracted services. The work we do is currently deemed essential by Federal, State and local governments but any change from that designation could have a negative result on our business as well as our peers.

Post COVID-19 quarantine in 2020, the Company has experienced record sales growth. Management believes that while some parts of the business has experienced temporary, localized geographic work delays, the Company’s overall operations has been largely unaffected, with the prospect of increased demand as federal stimulus dollars are deployed.

Other Items

- The Company has adequate insurance coverage through a number of policies covering various risks.
- The Company has no foreign currency risk.

Conclusion: The Company has determined that there are no conditions or events that raise substantial doubt as to the financial strength and stability of the Company.

Dan Phan, Chief Accounting Officer
Universal Engineering Sciences



SECTION 7

Litigation



Geotechnical Engineering
Construction Materials Testing & Inspection
Building Code Compliance
Occupational Health & Safety
Environmental
Building Envelope

Grounded in Excellence

From: Dan Phan, Chief Accounting Officer

To: Files

Subject: **CONFIDENTIAL – Litigation Summary**

Date: June 2021

Universal Engineering Sciences (the “Company”) is a full service Environmental and Geological consulting organization providing Environmental Consulting, Health & Safety, Geotechnical Engineering, Construction Materials Testing, Inspections, as well as Code Compliance services across a broad spectrum of industries. The Company is considered a pioneer of the industry and stands at the forefront of emerging technology and best practices. Our combined capabilities allow us to deliver cost-effective solutions.

Due to the litigious nature of the development and construction industry, it is impossible to avoid claims. These claims are generally nuisance type claims using the “shotgun” filing method of suing every party involved in the project, no matter how remote the involvement.

Most of these claims are administrated and dismissed with only attorney fees involved. A summary of past cases is available upon request through our corporate appointed attorney. Note: There have been no criminal proceedings or hearings concerning business related offenses in which our company principals or officers were defendants.

Litigation

The Company has never had a judgment ruled against it that has exceeded the deductible portion of professional liability insurance. We have not had requests for equitable adjustment or contract claims, nor have we been declared in default, terminated, or removed from a contract or job related to our services in the past five years.

The Company has not been involved in any litigation or investigation, either civil or criminal, involving a governmental agency, or which may affect the performance of the services to be rendered herein. Additionally, we certify that neither our firm nor its principals have been debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in any transaction by any federal department or governmental agency.

There is no pending significant litigation whose outcome if unfavorable, probable, and estimable has not been accrued for in the consolidated financial statements as of December 31, 2020.

Dan Phan, Chief Accounting Officer
Universal Engineering Sciences



SECTION 8

Other Information



BUILDING ENVELOPE

BUILDING ENVELOPE CONSULTING AND PROPERTY CONDITION ASSESSMENTS

UES can provide building owners and property managers with a comprehensive assessment of the condition of an existing building or that of a building that is currently being constructed. Our subject matter expert, Greg Kinton, AIA, a 30-year veteran of this specialized and vital service, is leading UES' efforts to provide superior Property Condition Assessments and Building Envelope services.

The benefits and insights that Facilities Consulting provide to our clients are tremendous and commonly result in more efficient building maintenance programs and fewer repairs while mitigating excessive and uninformed budgets.

Our specialists are knowledgeable of both past and present construction techniques, as well as local and national codes, regulations, and current A/E design practices. Their extensive knowledge enables them to provide thorough assessments in many areas of a building, including structural, civil, mechanical/electrical and plumbing (MEP), roofing, paving, health/life safety, and coatings and finishes.



Subsystem level water intrusion

SITE SELECTION & DUE DILIGENCE

UES provides a variety of comprehensive solutions that help our clients make confident, informed decisions during site selection. Our specialists can assess virtually every aspect of an existing location or assist in navigating complicated real estate transactions. Our assessments are conducted by experts familiar with both historic and modern building codes and whose commitment to excellence and unmatched knowledge best serves our clients' investments.

Property Condition Assessments (PCAs)

- ASTM E 2018-08
- HUD/Federal Housing
- Lender Based (Tailored to site-specific needs)/Equity Based
- Enhanced HVAC System Investigations

Reserve Studies

- Annual Condominium
- Multi-Family
- Conversion Assessments

Compliance Audits

- Americans with Disabilities Act (ADA) Audits
- Fair Housing Act (FHA) Audits

DESIGN AND PLANNING PHASES

UES' architects are accustomed to working with A/E teams on significantly complex elements of a building's design, such as the facade or roof. Our team understands the products being used and how those products are applied to the building and therefore how to design high-performance systems.

As well-experienced specialists, our architects can provide expert and knowledgeable guidance throughout a project's design phase or serve as the architect of record.

Roof Consulting

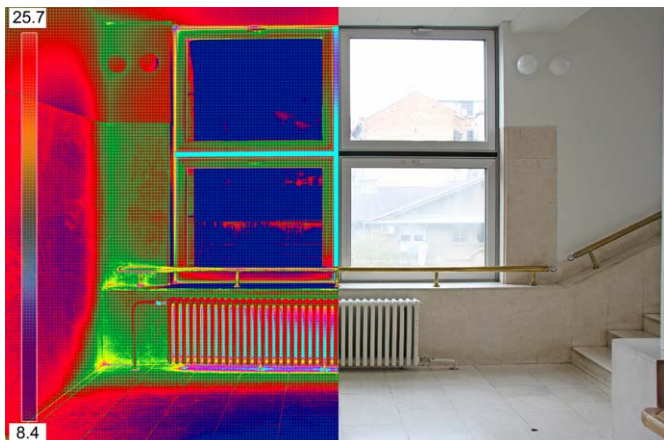
- Investigative Condition Surveys
- Pre-Design Surveys
- Design Services
- Peer Review

Building Envelope Consulting

- Investigative Condition Surveys
- Moisture Survey
- Uplift Testing
- Membrane Testing

Accessibility/Compliance

- Americans with Disabilities Act
- Fair Housing Act



Infrared Thermography

CONSTRUCTION AND RENOVATION PHASES

Construction and renovation projects are inherently complicated with tight schedules and budgets governing the activities of multiple contractors and trades. UES' professionals can serve on our clients' behalf with QA/QC monitoring, which ensures that work is being conducted according to current specification and code requirements. UES also provides inspection and testing services for existing facilities thereby granting our clients with expert assessments and comprehensive reports.

Q/A and Q/C Monitoring

Construction Administration

Payment/Draw Request Services

Building Envelope

- AAMA 501.2 – Water Spray Nozzle
- ASTM E 783 – Air Leakage (Chamber)
- ASTM E 1105 – Water Penetration (Chamber)
- WUFI Software Analysis
- Infrared Thermography (IR)

Building Commissioning

Air Barrier Testing

- ASTM E 779 – Building Air Leakage Rate/Door Blower
- ASTM E 1186 – Air Leakage Identification
- ASTM E 2178 – Assembly Air Leakage Rate

Moisture Transmission Testing

- ASTM F 1869 – Calcium Chloride
- ASTM F 2170 – Protimeter

Roof System Testing

- Wind Uplift (ASTM/FM)
- Nuclear Moisture Survey
- Infrared Thermography

Structural Testing/Investigation

- ASTM E 196 – Load Test
- General Bond Strength/Pull Testing
- ASTM C 1028 – Coefficient of Friction
- ASTM E 1155 – Floor Flatness

Video Pre-construction Surveys

PROPERTY MANAGEMENT PLANS

UES can help extend the life of our clients' facilities and assets by conducting inclusive property condition assessments, which are then used to develop reserve studies. These studies are in turn used to provide an overall understanding of the state of a facility's systems and to plan for the costs of remediation, repair, and replacement.

Property Condition Assessments

Reserve Studies

Compliance Audits

Roof Surveys and Consulting

Building Envelope Consulting

Roof Management Programs

- RoofPro
- Roofer
- Builder

Property Management Programs

- Axxerion
- Que Centre
- Builder
- Paver

Non-Destructive Investigation

- GPR Surveys
- Infrared
- Boroscope
- Sanitary Smoke Testing
- Air Flow Measurement
- Coefficient of Friction Testing
- Crack Monitoring

Pre and Post Construction Surveys

Pavement Surveys



universalengineering.com