



PROPOSAL TO PROVIDE:

CONSTRUCTION MATERIALS TESTING SERVICES

Under Continuing Contract Number RFQ-4666-21-DCM Agreement



City of Hollywood New Police Headquarters

401 S. Park Road, Hollywood FL 33020

Prepared for:

City of Hollywood | Design & Construction Management

P.O. Box 229045, Hollywood, FL 33022-9045

Phone: 954-921-3931 | Email: HGUENOT@hollywoodfl.org

Proposal Date: March 18, 2024, *revised April 23, 2024*

PSI Proposal No.: 0225-421586

Professional Service Industries, Inc. (Intertek-PSI)

6500 NW 12 Ave., Suite 116

Fort Lauderdale, FL 33309

(954) 267-0965

www.intertek.com/psi



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March 20, 2024, Revised **April 23, 2024**

City of Hollywood

Design & Construction Management
P.O. Box 229045
Hollywood, FL 33022-9045

Attn: Mrs. Heather Baburek Guenot, P.E. | email: HGUENOT@hollywoodfl.org
Office: 954-921-3931 | Mobile: 754-314-0157

Re: **Revised Proposal to Perform – Construction Material Testing Services City of Hollywood New Police Headquarters | 401 S. Park Road, Hollywood FL 33020**
PSI Proposal No.: 0225- 421586

Professional Service Industries, Inc. (PSI), an Intertek Company, is pleased to provide this revised proposal for the above referenced project located in Hollywood, Florida. If any of the presented project information is found to be inaccurate, we request that you contact us immediately to allow us to make any necessary revisions to this proposal.

PSI Experience

PSI is a nationally recognized consulting engineering and testing firm providing integrated services in several disciplines, including geotechnical engineering, construction services, materials engineering and testing, roof and pavement consulting, asbestos management, and facilities consulting and engineering.

We are a leader among the nation's independent testing organizations and rank among the country's largest consulting engineering firms. PSI has provided similar services for several prominent projects in the Fort Lauderdale area. Therefore, we have a very good understanding of the project, the local building department's requirements, as well as understand the critical nature of the inspection and testing requirements for this sophisticated project.

Our staff includes registered professional engineers with significant construction inspection and testing experience in South Florida. Our technicians are ACI, CTQP, AWS and NICET trained/certified in their respective disciplines and our laboratories are annually inspected/certified by CMEC and the FDOT. PSI is licensed in the State of Florida to provide Engineering Services.

Project Understanding

Project information was based on PSI's review of preliminary structural, architectural and civil plans by O'DONNELL DANNWOLF AND PARTNERS ARCHITECTS INC. dated February 15, 2024 (Rev 1). A summary of our understanding of the proposed project is provided below in the following. Construction schedule available at the time of writing this proposal dated (Run Date: 26-March-24 for 524 days for project construction (Start: 10-Jun-24 Finish: 24-Jul-26)).

Project Description Summary

The new Police Headquarters Facility will be constructed on City owned land immediately south of the existing facility, currently being used as golf course driving range and dual use surface parking for the Police Department and Golf visitors. The current Police Facility will remain in use during construction; the driving range will be closed when construction starts.

The new Police Headquarters will be located at 401 S. Park Road, Hollywood, FL 33020. The building is situated facing South Park Road; the proposed parking garage will be adjacent to the main building. The new Police Headquarters consists of a 98,999 SF main building and an adjacent 126,724 SF secured parking garage; the facilities are connected by two pedestrian bridges. The facility will include all functions including training, property and evidence, quartermaster, patrol, holding cells, detective units, recruitment, administration and public information. Structured parking is provided for 281 vehicles, including a high first floor bay for large vehicle storage. The first level of the parking garage includes a 17,865 SF training facility.

Based on our understanding of the project's Materials Testing requirements, review of the structural, architectural, and civil drawings and our experience on similar projects, PSI proposes to provide the following scope of services during construction:

PROPOSED SCOPE OF SERVICES

NOTES: We request the opportunity to review our proposal and revise as needed pending future drawing submissions. Estimations for Senior Engineer Technician/Engineer hours are based on providing our services on a part-time, on-call basis.

Vibro-Compaction and/or Vibro-Replacement Monitoring Services [4 weeks (20 days) estimated to complete this phase]:

- Our services for this phase of the project will consist of monitoring the designated vibro-program and the load to verify the adequacy of the ground improvement procedures (record column diameter, volume of gravel used, plumbness, length). An engineering report will be issued after the completion of the vibro-program presenting our observations and the field data gathered.
- The estimate is based on the schedule of a 20-day vibro-compaction and/or replacement program. We note that a licensed geotechnical engineer can be on-site to monitor the vibro-program for an additional cost, if desired (see Optional Services).
- Perform Standard Penetration Tests (SPT), (Min 10 tests) to verify soil improvements and allowable bearing capacity in general accordance with the American Society for Testing and Materials (ASTM) Standard D1586. The tests will be performed to a maximum depth of 30 feet below site grades or to depths at which refusal is encountered; whichever is encountered first. The locations of the SPTs will ultimately depend on underground and overhead utility clearance as well as accessibility.

Site Preparation and Grading/Backfilling:

1. Provide qualified personnel for performing compaction tests on a part-time basis for building and pavement natural subgrade and structural fill areas.
2. Perform compaction tests on utility backfill in all utility trenches in both building.
3. Perform laboratory testing of proposed fill soils to determine their suitability, and moisture content versus dry density relationship.
4. Observe proof-rolling operations as outlined in the Geotechnical Report.

Normal Weight & Lightweight Concrete Sampling and Testing:

1. Provide a technician to sample and test plastic concrete and mold compressive strength cylinders for structural concrete on a part-time basis. Testing of the plastic concrete will include measurement of slump, and temperature.
2. Perform laboratory compressive strength tests on cured concrete cylinders as outlined in the Project Specifications.

Asphalt/Pavement:

1. Observe proof-rolling operations of the pavement subgrade prior to aggregate base placement and make recommendations for undercutting and/or stabilization, if required.
2. Observe proof-rolling and perform compaction tests on aggregate base material.
3. Perform laboratory compaction tests of base materials to determine their moisture content versus dry density relationships.
4. Measure thickness of base materials for compliance with project requirements.
5. Core samples of the in-place bituminous concrete pavement can be obtained to verify proper thickness and density of the pavement materials at an additional cost.

Water Flood Testing:

Perform water flood testing in accordance with ASTM D5957 on roof areas at locations determined by the client.

Water and Air Penetration Testing of Aluminum Framed Window Assemblies ASTM E 1105:

PSI will provide the materials and labor necessary to perform ASTM E 1105 tests. These locations will be the selected by the owner. This type of water intrusion test generally consists of utilizing a calibrated spray rack that directs water onto the exterior surface of the window assembly that is being tested. A vacuum chamber is typically constructed and installed over the interior portions of the window assembly. The vacuum chamber is evacuated to produce differential pressures across the window system to see how watertight the test specimen is under these conditions. The differential pressures are measured by a manometer that is connected to the inside of the vacuum chamber and the ambient pressure conditions that exist outside the structure. Differential pressures will be 0.67 times the static-air- pressure difference specified for lab testing, or at the rates specified per the project. PSI will test portions of the overall area sequentially until the entire area has been appropriately tested.

AAMA 501.2 Moisture Intrusion Testing:

PSI will provide materials and labor necessary to perform AAMA 501.2-94. PSI will utilize a Type B-25, #6.030 brass nozzle with a ½" FPT as manufactured by Monarch Manufacturing Works, Inc. The nozzle will be used with a control valve and pressure gauge and regulated to produce a controlled pressure (30-35 PSI) at the nozzle. Starting at the lowest horizontal member the spray nozzle will be directed perpendicular to the exterior side of the wall assembly in approximately five-foot (5') increments along the wall joints and window framing. The nozzle will be moved back and forth at an approximate distance of one foot (1') from the wall/window.

Fireproofing testing:

Testing of each type of construction and structural framing Member.

1. Verify that the fireproofing materials are correctly installed.
2. Perform Cohesion/Adhesion Test as per ASTM E736 and project specs.
3. Perform Laboratory Density Test as per ASTM E736 and project specs.
4. Perform Thickness Verification as per ASTM E605 and project specs.

Weld Testing:

1. Verify that welded connections are performed by certified welders.
2. Verify type of welding electrodes.
3. Shear connectors will be tested in accordance with AWS D1.1 for stud welding.

OPTIONAL SERVICES*

- Unforeseen inspections
- Additional meetings/inspection time
- Work outside typical hours/overtime
- Re-inspections
- Re-testing
- Additional testing/Inspections, if requested, i.e.:
 - a) Licensed geotechnical engineer can be on-site to monitor the vibro-compaction or vibro-replacement program
 - b) UT, X-Ray, and Magnetic Particle Testing
 - c) Electronic leak detection test
 - d) Engineering judgments if needed for non-standard fireproofing applications

COMPENSATION, PAYMENT AND TERMS†

PSI proposes to provide the described scope of services, *sans the optional services*, on a time and material basis for a **Cost Estimate of \$130,630.00**. (For up to 20 months; Sep 2024 to April 2026 (80 consecutive weeks) of construction duration based on our estimate. A cost estimate detail is provided on Attachment A.

* Proposed **Optional Services estimate: \$39,612.50**

PSI understands that a separate authorization to proceed will be required before any of the optional services can be utilized, and if not all the optional services are used at the end of the project, the money reverts to the Owner.

TOTAL COST ESTIMATE (Cost Estimate + Optional Services): \$170,242.50

(For up to 20 months; Sep 2024 to April 2026 (80 consecutive weeks))

† The above estimate is based upon the current schedule of up to 20 months; September 2024 to April 2026 (80 consecutive weeks). Updated Construction schedule available at the time of this proposal: Run Date: 26-March-24 for 524 days for project construction (Start: 10-Jun-24 Finish: 24-Jul-26). Total fees will be determined by the actual amount of technical time expended for this project and the actual quantity of laboratory tests performed.

Details for Cost Estimate/Attachment A

- Scope of work includes coordination with the Threshold/Special Inspector, Building Envelope Consultant, the vibro-compaction/replacement subcontractor, the EOR and the Architect, at no additional fee.
- The services proposed above are estimated based upon our experience on similar projects and the plans and specifications for this project at this time.
- All anticipated testing is included per plans and specifications with an estimated timeframe up to 80 consecutive weeks.
- The City may opt to authorize all or part of this estimate as an NTE amount. In any case, PSI only bills for actual time and tests performed on a project. Total fees will be determined by the actual amount of technical time expended for this project and the actual quantity of laboratory tests performed. Should any of the outlined testing not be performed on this project, the City will not be charged for those services.
- In our experience with similar projects, there are often variables that can extend the construction timeframe and testing and inspection requirements such as the contractor's construction practices and schedules, inclement weather, or other unforeseen conditions. We have done our best estimate to cover the foreseen testing and inspections that will be required in the provided estimated construction timeframe.

- The City will be contacted for authorization should additional services beyond the approved budget be required to complete the scope of services. Please note that we do not have control over the contractor's construction practices, schedules, or inclement weather. The General Contractor primarily controls the number of testing made and the duration of the inspections required to complete the scope of services.

PSI appreciates your consideration of our firm for this project. To authorize our services and accept this proposal and its attachments in accordance with our continuing contract number RFQ-4666-21-DCM agreement, please complete the attached Authorization Form and return to us. PSI will commence our services upon electronic receipt of the form. We appreciate the opportunity to submit this proposal. Please contact us if any questions arise or if we may be of service in any way.

Respectfully Submitted,



Ernesto Ramos
Branch Manager
ernesto.ramos@intertek.com

Attachments:

Attachment A – Cost Estimate Breakdown
Proposal Authorization Form
Distribution of Electronic Reports

Attachment A

PSI TOTAL COST ESTIMATE OF FEES AND SERVICES – CONSTRUCTION MATERIALS TESTING SERVICES

SERVICE DESCRIPTION	UNIT	RATE	QUANTITY	FEE
SOIL LABORATORY TESTING SERVICES				
Modified, Standard Proctor Test (ASTM D-1557, AASHTO T99, T180)	EACH	\$ 130.00	5	\$ 650.00
Sieve Analysis (ASTM C-136, FM T88)	EACH	\$ 75.00	5	\$ 375.00
Organic Content (FM T-267)	EACH	\$ 55.00	5	\$ 275.00
Plastic Limit and Plasticity Index (FM-T90)	EACH	\$ 55.00	5	\$ 275.00
Limerock Bearing Ratio (LBR) Tests (FM 5-515)	EACH	\$ 280.00	2	\$ 560.00
Sample Pickup	HOUR	\$ 55.00	24	\$ 1,320.00
SUBTOTAL				\$ 3,455.00
SOILS COMPACTION TESTING				
Vibro-Compaction and/or Vibro-Replacement Monitoring (20 Days)	HOUR	\$ 55.00	180	\$ 9,900.00
Standard Penetration Test as per ASTM d1586 (up to 30 feet max depth)	EACH	\$ 720.00	10	\$ 7,200.00
Engineering Technician - In-Place Density Testing (every 2,500 sf per 12 inches lifts) /Proof roll Obs.	HOUR	\$ 55.00	65	\$ 3,575.00
SUBTOTAL				\$ 20,675.00
ASPHALT PLACEMENT MONITORING & TESTING				
Engineering Technician for Asphalt Placement Monitoring/Core sampling for Thickness	HOUR	\$ 55.00	30	\$ 1,650.00
SUBTOTAL				\$ 1,650.00
GROUT, CONCRETE AND MASONRY TESTING				
Grout Compressive Strength Testing (Six 2"x2" cubes per set)	PER SET	\$ 55.00	10	\$ 550.00
Engineering Technician to sample regular concrete 4"x8" cyls and cubes (multiplier 3 applied for tech hours)	HOUR	\$ 55.00	783	\$ 43,065.00
Concrete Compressive Strength Testing (Five 4"x8" cylinders per set, 1 set every 50 cubic yards of concrete for each concrete mix)	PER SET	\$ 55.00	251	\$ 13,805.00
Cylinder Pickup Only for Early Breaks	HOUR	\$ 55.00	70	\$ 3,850.00
SUBTOTAL				\$ 61,270.00
BUILDING ENVELOPE TESTING				
Water Flood Testing as per ASTM D5957	EACH	\$ 1,400.00	4	\$ 5,600.00
Water & Air Penetration Testing as per ASTM E 1105 (Including vacuum chamber fab)		\$ 1,540.00	5	\$ 7,700.00
AAMA 501.2 Moisture Intrusion Testing		\$ 460.00	8	\$ 3,680.00
SUBTOTAL				\$ 16,980.00
FIREPROOFING TESTING				
Fireproofing Testing Visual Observation	HOUR	\$ 75.00	30	\$ 2,250.00
Fireproofing Testing (densities, thicknesses, & bond strengths)	EACH	\$ 75.00	10	\$ 750.00
SUBTOTAL				\$ 3,000.00
WELD TESTING				
Welding Connections Visual Observation	HOUR	\$ 75.00	80	\$ 6,000.00
SUBTOTAL				\$ 6,000.00
PROJECT ADMINISTRATION SERVICES				
Clerical	HOUR	\$ 50.00	160	\$ 8,000.00
Professional Engineer, P.E. / Project Manager	HOUR	\$ 120.00	80	\$ 9,600.00
SUBTOTAL				\$ 17,600.00
ESTIMATED FEES (FOR UP TO 80 Consecutive Weeks - Sep 2024 to April 2026)		TOTAL	\$130,630.00	

OPTIONAL SERVICES

SERVICE DESCRIPTION	UNIT	RATE	QUANTITY	FEE
Unforeseen inspections	HOUR	\$ 75.00	30	\$ 2,250.00
Additional meetings/inspection time	HOUR	\$ 75.00	20	\$ 1,500.00
Work outside typical hours/overtime	HOUR	\$ 112.50	85	\$ 9,562.50
Re-inspections	HOUR	\$ 75.00	15	\$ 1,125.00
Re-testing	HOUR	\$ 55.00	40	\$ 2,200.00
Licensed Geotechnical Engineer on-site to monitor the soil compaction vibro-program	HOUR	\$ 120.00	30	\$ 3,600.00
UT, X-Ray, and Magnetic Particle Testing	TEST	\$ 145.00	35	\$ 5,075.00
Electronic leak detection test	TEST	\$ 1,100.00	6	\$ 6,600.00
Engineering judgments if needed for non-standard fireproofing applications	HOUR	\$ 120.00	22	\$ 2,640.00
Clerical	HOUR	\$ 50.00	46	\$ 2,300.00
Professional Engineer, P.E. / Project Manager	HOUR	\$ 120.00	23	\$ 2,760.00
SUBTOTAL				\$ 39,612.50
+ ESTIMATED FEES (FOR UP TO 80 Consecutive Weeks - Sep 2024 to April 2026)			+ TOTAL	\$130,630.00
TOTAL ESTIMATED FEES: Cost Estimate + Optional Services (For Up to 80 Consecutive Weeks)			GRAND TOTAL	\$170,242.50

Additional Fee Schedule Notes:

1. All fees and services are provided in accordance with the continuing contract number RFQ-4666-21-DCM agreement.
2. Services and fees not listed on this schedule may be quoted on request.
3. Charges for retests are not included in this estimate and will be invoiced at the rates included herein.
4. All work will be performed at the direction of PSI's client or client's representative on an "on-call" basis.
5. Scheduling and cancelation of field testing and observation services is required no later than 3 P.M. the working day prior to the date the services are to be performed. Services canceled without advance and/or inadequate notice will be assessed a fee at the minimum technician / inspector rate.
6. PSI will deliver reports electronically to the client and others on the specified distribution list. Reports will be posted on a password protected, secure website available only to those on the distribution list.
7. PSI reserves the right to withhold all reports until we receive a signed Proposal Acceptance or other acceptable written authorization to proceed with the work as outlined.
8. All rates are billed on a portal to portal basis from our Fort Lauderdale Office.
9. Fees for this project will be billed monthly in accordance with the rates depicted in our fee schedule.
10. Only one (1) Technician will be working on this project at any time.
11. Overtime rates are applicable for services performed on Sundays, Holidays and work performed outside of 5:00am to 5:00pm. The overtime rate is 1.5 times the applicable hourly rate. Holidays observed by PSI are New Year's Day, Presidents Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Friday following, Christmas Eve and Christmas Day.

PROPOSAL AUTHORIZATION & PAYMENT INSTRUCTIONS

AUTHORIZATION

To execute this proposal, please sign and complete the authorization information below along with applicable payment instructions and return one copy of the authorized proposal to our office.

Authorized By (please print)		Signature	
Title		Firm	
Address			
City	State	Zip Code	Telephone
Date		Purchase Order No./Project Tracking No. (if applicable)	

PAYMENT INSTRUCTIONS

If invoice payment is to be made by a party other than the authorizing party above, please provide the following information for whom the invoices are to be billed:

Firm		Attention	
Address		Title	
City	State	Zip Code	Telephone
Authorizing Party's Relationship to Invoice Payment Party			

If invoices are to be approved other than by the payment party above, please provide the following information for whom the invoices are to be mailed for approval:

Firm		Attention	
Address		Title	
City	State	Zip Code	Telephone
Authorizing Party's Relationship to Invoice Payment Party			

DISTRIBUTION OF ELECTRONIC REPORTS:

Name: _____

Company: _____

E-Mail: _____

Phone No: _____

Name: _____

Company: _____

E-Mail: _____

Phone No: _____

Name: _____

Company: _____

E-Mail: _____

Phone No: _____

Name: _____

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Phone No: _____

Name: _____

Company: _____

E-Mail: _____

Phone No: _____

Name: _____

Company: _____

E-Mail: _____

Phone No: _____

Firm History

Intertek-PSI is nationally recognized as a consulting, testing and engineering firm providing integrated services in disciplines, such as geotechnical and advanced geophysical engineering, construction materials testing, environmental consulting, building advisory, industrial hygiene and specialty testing and engineering with over 130 years of experience. We are a leader among the nation's independent testing organizations and rank among the country's largest consulting engineering firms. PSI was incorporated in Delaware, June 26, 1972. However, the name was not used in the marketplace until the 1980's. The Company was founded as A&H Materials Testing in 1961 in Champaign-Urbana, Illinois. We also operated in some areas as Pittsburgh Testing Laboratories, a name dating from 1881-1986.

Since the early 1980's, PSI has provided our services on all types of projects throughout Florida and the Caribbean, including Puerto Rico, the Bahamas, and beyond. We maintain complete facilities and equipment for the inspection and testing of soils, concrete, structural elements, metals, pavement, roofing materials, and specialty items. In addition to these basic services, we perform a full range of consulting engineering services, forensic evaluations, and quality assurance/quality control for construction projects. Our expertise has been utilized on a variety of projects including hotels & resorts, yacht basins/marinas, government facilities, roadways, airports, hospitals, high-rises, retail spaces, schools, and residential developments.

Intertek-PSI has provided services to public and private agencies in South Florida for over 35 years. We maintain complete facilities and equipment for the inspection and testing of soils, concrete, structural elements, metals, pavement, roofing materials, and specialty items. In addition to these basic services, we perform a full range of consulting engineering services, forensic evaluations, and quality assurance/quality control for construction projects. Intertek-PSI's key team members have provided these services on hundreds of successfully completed projects, including roadways, utilities, and other facilities. Intertek-PSI consistently maintains certification by all pertinent regionally and nationally recognized testing laboratory certification bodies relative to the types of testing normally performed in our industry. All measurement equipment and instruments are routinely inventoried, marked and calibrated in accordance with the National Bureau of Standards. In addition to certification, the testing procedures are conducted under the guidelines of ASTM E329 where applicable, and in all cases, a state registered engineer oversees all inspection and materials testing procedures.

In November of 2015, Professional Service Industries, Inc. (PSI) was purchased by Intertek Group, PLC. Although PSI has a new owner, PSI continues to operate as a separate legal entity than Intertek; we have not been merged into Intertek. PSI and Intertek have separate officers; separate boards of directors; separate tax ID numbers, etc. We are registered DBA as Intertek-PSI however, our corporate status has not changed; and our new ownership will have no impact on the agreement between PSI and our clients.

INTERTEK-PSI CORPORATE HEADQUARTERS:
545 E. Algonquin Road, Suite H
Arlington Heights, IL 60005 (847) 439-5667 | 1-
800-548-7901

INTERTEK GROUP PLC HEADQUARTERS:
33 Cavendish Square, London, W1G 0PS
United Kingdom
Tel +44 20 7396 3400

PSI operates from over 70 locations across the United States.

INTERTEK-PSI FLORIDA LOCATIONS:

ORLANDO

1748 33rd Street
Orlando, FL 32839
407-304-5560

TAMPA

5801 Benjamin Center Dr.
Tampa, FL 33634
813-886-1075

MIAMI

7950 NW 64th Street
Miami, FL 33166
305-471-7725

FORT LAUDERDALE

6500 NW 12th Avenue
Fort Lauderdale, FL 33309
954-267-0965

COCOA

2845 King Street
Cocoa, FL 32926
321-433-0083

HUDSON

16550 Scheer Blvd.
Hudson, FL 34667
727-868-9526

PLANT CITY

607 South Alexander St.
Plant City, Florida 33563
813-886-1075

PENSACOLA

175 S. "A" Street Pensacola,
FL 32502
850-434-1000

Availability

The nature of PSI's consulting business is performing many tasks of relatively short duration for multiple clients. This operating environment promotes the discipline required to be flexible and sensitive to changing client needs. With over 35 years providing our services and a staff of over 300 professionals, technicians and support personnel in our Florida offices, we have amply demonstrated the ability of our professional personnel and field and laboratory capabilities to effectively serve your needs even during peak demand periods.

We plan to provide all necessary services from our South Florida offices utilizing our cross-trained engineers and technicians. If unprecedented workload should occur, we can augment our force from any of our other Florida or nationwide offices. Our Project Team Members are ready and committed to providing the time and energy necessary to perform high quality services while maintaining cost effectiveness. We have the personnel and resources that will be dedicated and incorporated in our current and future workload, therefore there will be no additional burden placed on our office in the delivery of these services.

Differentiator

PSI has invested millions of dollars and thousands of man hours in the development of our customized solution that integrates the industry's most powerful Laboratory Management System (LIMS) for engineering and testing services with a client portal and project and financial management toolset. Among the many innovative and



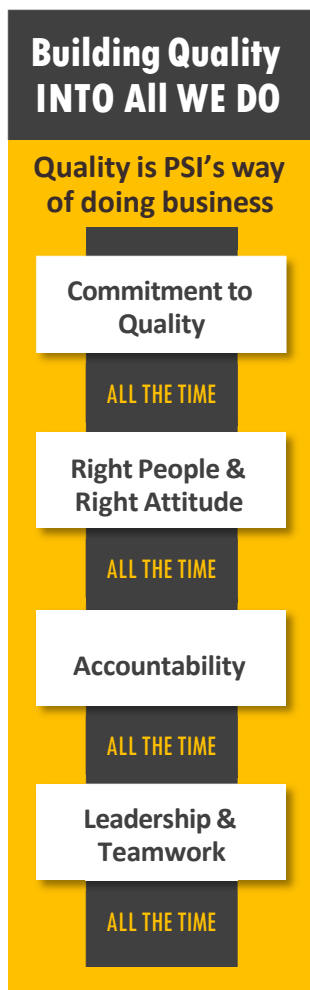
efficient features of the system are the built-in data validation checks, equipment calibration controls and performance specifications to help assure laboratory performance, accuracy, and accreditation. This web-based solution integrates project set up and tracking; work assignments and employee scheduling; laboratory management and technical reporting; and financial reporting.

For every sample, PSIQEST ensures that the person obtaining the sample is qualified, the equipment used is appropriate to the task and is currently calibrated, the appropriate test method is applied, and the work is performed by a qualified technician. PSIQEST is incorporated into our Quality Control Plan and is approved by AASHTO, CCRL, AMRL, CMEC and the Army Corps of Engineers. After a qualified technician enters test data, PSIQEST electronically presents results instantaneously to the project manager and/or project engineer for approval. Once the data is approved, test reports can be emailed and archived at the touch of a button. In this manner services are tracked daily to provide the Department with timely results. **PSIQEST is one of the major differentiators that sets our team apart from others and that has been a significant reason for our success on the projects of significant size and scope such as this one.**

Project Management

Projects are the cornerstone of our business and can be considered the one and only product of an engineering and consulting practice. PSI alone completes over 30,000 projects each year. Project management lies at the heart of PSI's business success. The more efficiently we manage projects -the more successful PSI becomes in building close client relationships, growing our business, and being recognized for great **Quality of Service**.

Project managers are the people who make projects successful. This is through skillful and disciplined use of project management practices. PSI has developed in-house training and certification programs to provide better service and higher quality of products to our clients. PSI's **Project Manager Certification Program (PMCP)** has been developed to better equip our manager's to be able to efficiently manage projects to PSI's and our client's strict standards. This is central to PSI's vision and critical to our business success. PSI's Project Manager Certification Program (PMCP) develops trained project managers to improve and maintain a high level of service quality, and client satisfaction. The PMCP is built around Company policies and procedures along with industry best practices applicable to the management of client projects. A PMCP-certified manager is assigned to each of PSI's projects.



PSI employs a **Single Point-of-Contact** contract management approach. For this contract, **Mr. Ernesto Ramos, EI**, PSI Project Manager for this effort will:

- Provide daily contact and scheduling as required
- Assure that qualified personnel, inspectors, and staff are assigned to each task
- Ensure that requested changes, if any, are issued within 24 hours
- Ensure that each assigned staff has the required project information, equipment, and resources available to perform the assigned task in accordance with the project requirements.
- Available to your team 24/7

PSI prides itself on completing projects on time, within budget, and to the highest quality standards. We have developed a strong hands-on management approach and well-defined project management systems that help us meet our client's goals and provide maximum responsiveness to our client's expectations of quality and service.

We will staff the project with qualified personnel, proceed with recommended services after issuance of a task order, maintain communication with the Project Manager and provide the requested services within the time frame determined to ensure an efficiently executed contract. We will carry out each project in a timely, thorough and methodical manner, and address all alternatives to provide the most professional and cost-effective evaluations and recommendations.

All tasks will be completed on time and within budget. As work commences, accurate records will be maintained regarding pertinent time and tests, consumables, etc. All final reports will be provided from PSI's Florida registered professional engineers, subject to our internal quality control/quality assurance program. Should any unusual condition or technical challenge arise on your projects, our key personnel can provide immediate advice and practical solutions.

With PSI on your team, we assure that you will always be in contact with our staff, you will be apprised of the status of our services on your projects, and you will feel confident that if any job issues arise, **PSI is always prepared to assist with an immediate solution**. Our goal is to not only provide information to build on, but to also build a solid, long-term partnership.

Cost Control

PSI prides itself on completing projects on time, within budget, and to the highest quality standards. We have developed a strong hands-on management approach and well-defined project management systems that help us meet our client's goals and provide maximum responsiveness to our client's expectations of quality and service. Control of allotted budget and its related issues is one very significant facet of the mission. Over 35 years of experience with similar projects has provided us the background and qualifications to effectively manage schedule, budget and invoicing to best suit your needs.

All tasks will be completed on time and within budget. As work commences, accurate records will be maintained regarding pertinent time and tests, consumables, etc. All final reports will be provided from PSI's Florida registered professional engineers, subject to our internal quality control/ quality assurance program. Should any unusual condition or technical challenge arise on your projects, our key personnel can provide immediate advice and practical solutions.



In addition to our rigid in-house quality control program, we employ **PSIQEST™**, a cloud-based, customized internal Laboratory Information Management System for materials engineering and testing services. Among the many innovative and efficient features of the system are the built-in data validation checks, equipment calibration controls and performance specifications to help assure laboratory performance, accuracy and accreditation. All projects are processed through PSIQEST, which integrates project set up and tracking, work assignments and employee scheduling, budget tracking, laboratory test results management, and customized technical and financial reporting. This state-of-the-art program provides our Team with an innovative data management system to ensure better quality control.

QESTField™ is based upon PSI's existing LIMS database where data is entered in the field by PSI's field staff through any web-enabled device. Upon field data entry, PSI engineers can review and approve the information and make decisions in "real-time". This aids the project developer in making "real-time" decisions. PSI's QESTField benefits the environment by reducing the amount of paper used on the project and provides cost savings to the developer through reduced staffing.

The client reporting mechanism of PSIQEST is our **Construction Hive**. This feature flows data from PSIQEST directly to other LIMS data systems without dual data entry, providing consistency and accuracy of the data in both systems. Our system allows us to distribute reports electronically to your project data management facility or any end users you select. The system can distribute report data to up to 99 unique locations. The project client representatives as well as other construction project team members can be granted access to the data files and test results on a real-time basis through the web portal, which is also automatically archived and immediately searchable.

PSI understands that construction projects do not always go as planned which is why PSI runs a 24/7 business with an emergency dispatcher available at any time. As budget and schedule go together, we have an office manager/scheduling coordinator whose sole purpose is to make sure our Team members are available, punctual, and trained for the client's needs. The Office Manager receives phone or email requests before 5:00 pm from the different jobsites for the next day's services and composes a schedule daily. The necessary technicians and inspectors are notified so they can prepare for the day's work. The schedule is modified in real time to address any unforeseen issues that may occur at the job site. By directing this information through one manager/scheduling coordinator who understands the scope of work, we can mitigate unnecessary scheduling conflicts and notify jobsite representatives of upcoming and pending test and inspections to be scheduled.

The relationships that PSI's personnel establish with our client's personnel facilitates the coordination required for a timely resolution of any technical issues. We realize the need to have all contacts and correspondence coordinated with our clients on a regular basis and will take the following steps to stay on budget:

1. Maintain constant awareness of project activities
2. Maintain a library of the most current references to promote effective and efficient development of plans and reports
3. Review and supervise field and laboratory results
4. Track budgets and maintain a close watch on budget status with the aid of **PSIQEST**
5. Supervise invoice preparation
6. Be readily available to our client's staff to discuss, consult, and deal with project issues
7. Develop reasonable & cost-effective solutions for any difficult conditions discovered

Seminole Hard Rock Hotel and Casino – Hollywood

Hollywood, FL



The Seminole Hard Rock Hotel and Casino has broken ground on a massive expansion that includes a 36-story hotel in the shape of a guitar. There will be a total of 1,273 total hotel rooms upon completion. The project includes:

- 800 new hotel rooms in the guitar-shaped tower
- Overwater bungalows (like those in Bora Bora) where high rollers can live for extended stays
- A new \$100-million pool and pool bar area – the second at the resort
- New nightclub, restaurants, shops, and Hard Rock Cafe
- Expansion of casino, buffet

The PSI Team provided the following services:

- Code Compliance Plan Review
- Code Compliance Inspection
- Threshold Inspection
- Construction Materials Testing
- Geotechnical
- Environmental Engineering
- Building Envelope Consulting
- Private Provider Inspection
- Crane Inspection
- Site Utility Underground Inspection
- Precast Plant Audit

Owner/Client: Seminole Tribe of Florida | **Contact:** Jess Burts – Vice President of Construction | Office: (954) 585-5637 | E- Mail: jess.burts@stofgaming.com | **Dates:** 2017-2019

Seminole Hard Rock Hotel & Casino Expansion – Tampa

5223 N. Orient Road, Tampa, FL



The project includes expansion of the existing facility at the Seminole Hard Rock Hotel & Casino – Tampa. The expansion will include a 562 room, 16-floor Hotel Tower over the existing Pool and Butler Building area. The Podium (low-rise) will house an additional 454 slot machines and 66 additional gaming tables. The 1,595 slots and 17 gaming tables which are presently in the Butler Building and adjacent area will be displaced temporarily during construction.

The expansion will also include a new Poker Room, 10 new/remodeled Food and Beverage venues, 5 new/remodeled Retail venues, a Ballroom/Meeting/Event Center, new Pool Deck on the Podium Roof, a Spa/Salon and Fitness Center in the new Hotel Tower, as well as a new Helipad on Winner's Way Garage and a new 717 car (expandable) Parking Garage (net 415 spaces) in the northwest portion of the property along Orient Road, connected by a Pedestrian Bridge spanning towards the Casino and completely redesigned Porte Cochere.

The existing Casino will also incur major renovations including a portion of the existing Food and Beverage areas. The project will be constructed in several phases to minimize lowering of the slot machine count and disruption to the property.

PSI TEAM SCOPE OF SERVICES included Inspections & Plan Review including, but not limited to:

- Construction Materials Testing
- Threshold Inspection
- Environmental Engineering
- Code Compliance Plan Review
- Code Compliance Inspection
- Building Envelope Consulting
- Private Provider Inspection
- Crane Inspection
- Site Utility Underground Inspection
- Precast Plant Audit

Client: Seminole Tribe of Florida - Gaming Division | **Contact:** Jess Burts – Vice President of Construction | Office: (954) 585- 5637 | E-Mail: jess.burts@stofgaming.com | **Dates:** 01/2018-10/2020

Solitair Brickell

86 SW 8th Street, Miami, FL



SOLITAIR, a 438-unit, 50-story luxury high-rise in the heart of the flourishing Brickell neighborhood is located a block between Brickell City Centre and Mary Brickell Village at 86 SW 8th Street. The iconic 555-foot tower was designed by ADD Inc. and is directly across the street from a primary pedestrian entrance into Brickell City Centre. With sweeping views of the downtown Miami and Brickell skyline as well as Biscayne Bay, Miami Beach and beyond, Solitair was created with environmental concerns in mind. The building's design and orientation avoids direct sunlight and solar radiation. Interior materials, such as paint, carpets, adhesives and sealants will be low emitting to maintain optimum indoor air. Green features, such as low VOC paints, recycled glass, wood and quartz will be used throughout the interior of the building.

The construction also includes 440 parking spaces along with ground floor retail. Solitair residents will have an extraordinary, covered walkway to Metro service, providing an unparalleled convenience to shopping, dining and entertainment. The site's walkability, already significant with a Walk Score of 97, will only be enhanced further as other planned projects in the immediate area come to fruition.

The structure will be supported on auger cast piles and are being constructed using a combination of cast in place, structural steel and post tension systems. ADD Inc is the architect and Balfour Beatty Construction, LLC is the general contractor.

Client: ZOM Living | **Contractor:** Balfour Beatty Construction | **Architect:** ADD Inc.

PSI Services: Construction Survey, Auger Cast Observations and Construction Material Testing

Dates: 2015-2017

Brickell World Plaza Phase II – 12-story Parking Garage

Miami, FL



The \$35 million Brickell World Plaza Phase 2 expansion is part of a multi-phase project located on the 600 block of Brickell Avenue in Miami Florida. The project consists of a twelve (12) story above grade parking garage and one below grade basement level valet garage. Built adjacent to the existing 600 Brickell World Plaza Tower, the two structures will connect at basement level under the existing active private drive. The thirteen-level garage structure will contain approximately 478 parking spaces located between the basement and eleventh levels.

The structure will also contain a tenant restaurant space on the first level which will be leased and built concurrently with the garage structure. In addition to the tenant space on the first level, there will also be rental retail spaces available for fit out on the 1B (Mezzanine) level.

PSI provided:

- Auger Cast Pile Grout Testing
- Concrete and Masonry Testing
- Post-Tension and Barrier Cable Monitoring
- Post-Tension Cables Encapsulation Observations
- Welding and Bolting Observations

Client: ELM Spring Inc., Miami, FL 33131 | **Contact:** Mr. Reynaldo Lopez | rlopez@elmspringinc.com | P: 305-384-7121

Dates: 04/2018-12/2019

Miami World Center Block A – Proposed 47-Story Structure

1001 NE 1st Avenue, Miami, Florida 33132



The proposed structure is a 47-story high (498.5 feet) residential tower (530 units total). The lower podium/garage will have an area of approximately 32,189 square feet and the tower an area of approximately 13,822 square feet. Generally, the development will consist of building/residential services and retail at the ground floor (level 01), parking garage at levels 02 to 06, an amenity area and swimming pools at level 07, and a residential tower from level 08 to 45 with a roof deck and penthouse at levels 46 and 47. **Anticipated Foundation Type:** Augercast Piles; **Design Max. Column Loading:** 1500 kips column loads for the parking garage and 8000 kips column load for the residential tower.

Professional Service Industries, Inc. (PSI), an Intertek company, completed a field exploration and geotechnical evaluation for the proposed 47-Story Structure – Miami World Center Block A project. The purpose of our study was to evaluate the subsurface conditions at the site and develop geotechnical engineering recommendations and

guidelines for use in preparing the design and other related construction documents for the proposed project. The scope of services included drilling soil borings, performing laboratory testing, and preparing a detailed geotechnical engineering report. The recommendations submitted in our report were based on the available subsurface information obtained by PSI and design details furnished by the client for the proposed project.

Client: Gables Residential, 750 Park of Commerce Boulevard, Suite 300, Boca Raton, Florida 33487

Contact: Mr. Scott Clark – Development Associate | d: 561.999.4008 | sclark3@gables.com

Date: 04/2020

Brickell Ten

Miami, FL



New Construction of a mixed use 25-story, 400,000 sq.ft. luxury building with 155 residential units, ground floor retail, pedestal parking with a recreational deck with a pool.

PSI Services: Geotechnical, Material Testing, Window Testing, GPR scanning

ARCHITECT: BC Architects – Coral Gables, Florida | **OWNER:** Waterstone Capital – Bay Harbour Islands, Florida.

Client Contact: Juliana Londoño, Project Manager | 786-389-4847 | juliana@brickellten.com |

Dates: 06/2015-07/2017

Midtown 6

Miami, Florida



PSI performed a subsurface exploration program and geotechnical engineering evaluation for the above referenced project. In addition, this geotechnical study will be used to evaluate the pertinent geotechnical conditions at the site to develop a Reasonable Assurance Report (RAR) for the subject site. Included herein is our understanding of the proposed development along with a scope of services, cost estimate, and anticipated schedule to conduct a geotechnical engineering study.

The area of study corresponds to the property bounded to the north by NE 32nd Street, to the west by Midtown Boulevard, to the east by East Coast Avenue, and extending to the south to approximately NE 31st Street. The project will consist of a 30-story building approximately 300 feet high, associated paved parking/drive area(s), and stormwater management system. We understand that the proposed structure frame will consist of concrete shear walls, columns, and post tension slabs. We also understand that the column loads will range from approximately 2000 kips to 3600 kips. Podium columns will be approximately 900 kips to 1200 kips.

Client: Magellan Development Group
Ms. Kathy Schaak, Vice President of Architecture and Design | **PSI Services:** Geotechnical Engineering
| **Date:** 10/20/2015

Midtown 8— 2901 and 2951 N.E. 1st Avenue

Miami, Florida



The area of study corresponds to the empty-lot property located at 2901 and 2951 NE 1st Avenue in Miami, Florida. The property consists of two land parcels totaling ± 2.03 acres in area. The project consists of a 28-story building and a seven-story parking garage with a pool and amenity deck on the eighth floor. The 28-story building will include both retail and residential spaces with a total gross square footage of 444,162 square feet. The two buildings will be separated by a street and will be connected by bridges on various levels. The project will also consist of a stormwater management system. The structure frame will consist of concrete shear walls, columns, and post tension slabs. The buildings will be provided with at-grade floor slabs with no planned basements.

PSI provided:

- Geotechnical Engineering
- Auger Cast Pile Grout Testing
- Concrete and Masonry Testing
- Post-Tension and Barrier Cable Monitoring

A geotechnical engineer reviewed the soil samples and representative samples will be tested for physical properties such as gradation, moisture content and organic content, as necessary. Using the results of the field exploration and laboratory test results, PSI provided geotechnical recommendations for foundation design/related construction.

Client: WP South Acquisitions, L.L.C., 401 South Dixie Highway, Suite 303, West Palm Beach, Florida 33401 / ALTA MIDTOWN 8, LLC | **Contact:** Mr. Jeffery M. Quinlivan, Vice President | **Dates:** 2015-2017

Cassa Brickell

Miami, FL



TSG Paragon Development has completed the 80-unit Cassa Brickell condominium in Miami and residents should start moving in before the end of the year. The developer, led by Camino Lopez, secured a temporary certificate of occupancy (TCO) in October 2016 after nearly 22 months of construction. The 10-story building is at 217 S.W. 17th Road on the western side of Brickell, which is booming with new development. Amenities in Cassa Brickell include a rooftop vegetable garden, a rooftop amenity deck with a pool, summer kitchen and fitness center, and work by local artists. Cassa Brickell received a silver LEED certification from the National Green Building Standard.

Client Contact: CASSA BRICKELL LLC | Christopher Hernandez | 305-445-0819

PSI Services: Construction Material Testing

Dates: 03/2015-08/2016

The Dalmar: Tribute Portfolio – Element

299 N. Federal Highway, Fort Lauderdale, Florida



The Tribute Portfolio and Element, a 323- room dual-branded hotel complex, will offer 12,000 square feet of retail and a 6,800-square-foot restaurant on its first floor, a rooftop bar and sky lobby, seventh-floor infinity pool and 12,000 square feet of meeting space. The project will include approximately 346,583 SF, along with the associated site work. The property will also have parking for 225 vehicles.

Client

299 N Federal Master, LLC, 4200 City Avenue, Philadelphia, PA 19131

Contact

Mr. Jake Wurzak | 610-299-8548 |
jake_wurzak@wurzakhotels.com

PSI Team Services

Environmental, Private Provider Plan Review & Inspection, QA/QC Materials Testing, Threshold & Special Inspections

Dates: 08/2016-04/2018

U.S. Federal Office Building

2030 SW 145th Avenue, Miramar, FL



The new U.S. Federal Office Building (Benjamin P. Grogan and Jerry L. Dove Federal Building) consolidates an agency's current space spread across the Miami, Miramar, and Dade County area in twelve separate locations. The U.S. General Services Administration (GSA) required a facility that met the Level 4 Interagency Security Committee criteria. Hensel Phelps was selected to be the design-builder on the New U.S. Federal Office Building project located in Broward County, Florida. Totalling 375,000 gross square feet, this Federal Office Building consolidates a Federal agency's forces which are currently spread across South Florida. With a construction budget of \$159 million, the project included enhanced security specifications, an enclosed parking structure, and multiple buildings located on the 24-acre site.

The new U.S. Federal Office Building consolidates the agency's current space spread, which is across the Miami, Miramar and Dade County area in twelve separate locations. The GSA requires a facility that meets the Level 4 Interagency Security Committee criteria. The project includes 535 secured, structured and 500 surface parking spaces over a 24-acre site. The project was being designed and built to LEED Platinum standards.

The office building consists of two 70' narrow bars which run in an East to West orientation in order to minimize solar heat gain, while taking advantage of maximum daylight on the office floors. The 6 and 7 story bars are joined at their midpoint by a connecting link, and enclose two landscaped, exterior courtyards. The façades consist of floor-to-ceiling high-performance glass in a unitized curtainwall system to admit a maximum of available daylight. They are dynamically articulated in response to sun angles, views from the interior, and subtle reflections of the surrounding sky and wetlands. Exterior perforated sun screens are deployed at the south-facing sides to shield solar gain before it enters the building. A combination of rainwater capture, well water, and use of municipal reclaimed water will reduce consumption of potable water by approx. 95%. Solar photovoltaic arrays on the roofs of the Annex and Garage provide renewable electricity. The \$156 million price tag is substantially less than the original expected cost, which was \$190 million, according to a post last year by The Next Miami. The building, which was dreamed-up by Chicago-based architecture firm Krueck+Sexton, is designed to reduce energy consumption and renew energy on site.

Hensel Phelps worked diligently to meet substantial completion in September 2014. Pursuing LEED Platinum Certification, the project is intended to display Design Excellence as part of the General Services Administration's Design Excellence Program, which includes sustainable design features and has taken this project to the next level, according to GSA project managers.

The design-build project team also includes Gensler; Krueck & Sexton Architects; Syska Hennessy; Professional Service Industries, Inc.; Enclose Corp.; Rolf Jensen & Associates; Walter P. Moore; and Atkins.

Client: Hensel Phelps Construction Co. | **Date:** 2012

Latitude One

Miami, FL



Latitude One, located on the southern banks of the Miami River in Downtown Miami at 175 SW 7th Street, Miami-Dade County, the complex features 230,000 square feet of Class-A commercial office space and it is Miami's first high-rise to utilize steel construction to provide a safe refuge for businesses during hurricane season.

With 23 floors above ground, the building is considered a high-rise structure. PSI performed Special Inspection Services during the structural works. Activities included visual inspection of reinforcing steel installed in building foundation, pile caps, grade beams, metal decking slab, etc. in accordance with construction documents. The reinforcing was observed for size, dimension, spacing, grade and concrete covering. Also, monitoring concrete placement for class, slump, and temperature, monitoring cable elongations for the pre-stress components of the structure was performed. The project was completed in 2007.

Client Contact: Mr. Steve Gelbs | 561-832- 1616

PSI Services: Materials Testing & Inspections **PSI**

Project: 395-60006 | **Completion Date:** 2007

Downtown Doral Development

Doral, FL



Project Description: This 250-acre mixed-use development features The Shops at Downtown Doral, 70 trendy shops and restaurants; The Offices at Downtown Doral, a bustling business district with almost 1 million square feet of Class-A office space; and 5,000 luxurious residential units including 5350 Park condo tower and Canarias in The Residences at Downtown Doral; Downtown Doral Charter Elementary School- a top-rated bilingual charter elementary school; a middle and high school; Doral Government Center- a LEED-certified city hall; and public green spaces adorned with world-class art pieces. PSI Provided services on multiple phases of the development project:

Geotechnical Engineering Services:

PSI provided a Geotechnical Engineering Study involving SPT Borings, Percolation testing and an extensive report including subsurface and groundwater conditions; detailed foundation, floor slab, site preparation, fill, and pavement recommendations; augercast pile considerations, as well as follow-up to provide bearing pressure for the design of the shoring foundations. These services were performed for the construction of two 20-story residential buildings, two 5-story parking garage structures and four one-story retail structures, an at-grade surface parking/drive areas, and a stormwater management system.

Total Value: \$1B | **Dates:** 04/2014-12/2020

Client: Codina Partners, 2020 Salzedo Street, 5th Floor, Coral Gables, 33134 | T: (305) 529-1300 | **Contact:** Mr. Luis Castellon | (305) 569-2204 | LCastellon@codina.com

Downtown Doral Development Projects:

South Tower 10 - Residential Rental, 5250 NW 84 Ave. | 19 stories | 231 Units | Rental | Gross Area +/- 351,481 SF | Site Coverage: +/- 15,796 SF | **PSI Services:** Auger Cast Pile Installation Monitoring, Construction Materials Testing and Inspection Services | **Date:** 2017

South Parking Garage 03, 5232 NW 84th Avenue | 215 G.F. Spaces (Aprox.) | **PSI Services:** Soil Improvement Installation Monitoring, Construction Materials Testing and Inspection Services | **Date:** 2017

North Tower 05 - Residential Condo/Hotel, 5350 NW 84th Avenue | 19 Stories | 238 Units | Gross Area +/- 355,532 SF | Site Coverage: +/- 17,168 SF | **PSI Services:** Auger Cast Pile Installation Monitoring, Construction Materials Testing and Inspection Services | **Date:** 2017

North Parking Garage 04, 5330 NW 84th Avenue | The project consists of a parking garage supported on shallow foundations following vibro-replacement subgrade improvement. Aprox. 207 G.F. Spaces | **PSI Services:** Construction Materials Testing and Inspection Services | **Date:** 2017

Retail Phase II: The Retail project consists of four, one-story buildings (E, F, G, and H) with cast-in-place reinforced concrete, masonry shell with steel bar joist and roof structure. The structures are supported on shallow foundations and slab-on-grade. The approximate total retail space is 52,000 square feet. **PSI Services:** Construction Materials Testing and Inspection Services | **Date:** 2017

The Plaza at Coral Gables

Coral Gables, FL



The Plaza Coral Gables, a \$500M mixed-use development, is revitalizing this city business district section while keeping the beauty and balance of its design as a priority while bringing a full range of services and opportunities to the community, including a 4.5 Star Loews hotel with meeting space for business and social events, class “A” offices, street-level shopping and dining areas, 174 Luxury Rental Residences, and almost 2,000 parking spaces, on a site over 7 acres, this state-of-the-art mixed-use development will finally transform a long-neglected and semi-abandoned site just a few blocks from Miracle Mile and the Coral Gables Central Business District. A 1-acre open-to-the-public plaza will feature a sculpture garden, water fountains, a central lawn area and many recreational and food & beverage amenities, energy efficient construction with LEED certification, green roofs, public transportation (trolley) stops, generous sidewalks and building setbacks, internal streets for deliveries and services, and even a “Coral Gables Townhome Liner” to serve as a transition between commercial space and the neighborhood to the East.

PSI provided:

- Auger Cast Pile Grout Testing
- Concrete and Masonry Testing
- Post-Tension and Barrier Cable Monitoring
- Post-Tension Cables Encapsulation Observations
- Welding and Bolting Observations
- Envelope Inspections

Client: Agave Ponce LLC

Contact: Ian van Walleghem, Sr. Project Manager, ianvw@agaveponce.com

Dates: 2017-Curent

River Landing

Miami, Florida



The mixed-use project is slated to have 507 apartments, and 422,000 square feet of retail and common areas. The project will bring housing and retail to an urban area that is being gentrified to accommodate an ever-increasing influx of new Miamians who are seeking modern spaces to call home. Construction work has started on the 8-acre site and we expect the 20-story project to be completed sometime around October 2019.

PSI is providing density testing of foundation elements, soil testing, concrete and grout testing, post-tension monitoring, welded component tests and inspections, as well as waterproofing tests and inspections.

Our project contract value is \$250,000 which covers comprehensive construction materials testing and some inspections; however -- with the developer now in the process of acquiring additional properties in the surrounding area, it is safe to say that Intertek PSI will become a trusted source for additional services with the client including due diligence services which traditionally reserved for the pre-construction phase of a project lifecycle.

Client: River Landing Development, LLC, /URBAN-X Group, LLC, 283 Catalonia Avenue, Suite 100, Coral Gables, FL

Gables Station

Coral Gables, FL



Image source: <http://www.gablesstationmiami.com/gallery>

Gables Station is a mixed-use development consisting of 504 multi-family units and 105,000 square foot of retail space within three buildings: one 13-story building, and two 12-story buildings with retail space on level 1 and parking garage on levels 2-6. Gables Station in Coral Gables and neighbors Coconut Grove, between Brickell and South Miami. The location is right off US1 and steps away from the Metrorail making for an easy commute to Miami's work hubs. Review of available satellite imagery between the years 1994 and 2018 indicate the proposed project site had been mostly used as a parking lot. The site is bordered to the east by South Dixie Highway (US 1) and to the west by the elevated Metrorail lines. The structures will be constructed with cast in place concrete and 8" thick Post Tension slabs with an approximate project duration of 13-14 months for the construction of the three building shells

The project includes:

- 2 acres of publicly accessible open space connected by over 2 acres along the Underline
- Contributions to the Coral Gables Trolley including an extension to the University of Miami campus
- Pedestrian mobility improvements along US1 including crosswalks
- Improvements to US1's aesthetics including additional landscaping consistent with the native plant design on the rest of the property
- Designated space for bicycle and car sharing programs
- LEED Silver Certification
- Covered pedestrian walkways
- Integration and recognition of the rich and important Bahamian history as it related to the adjacent Coral Gables neighborhood and their many contributions to the community
- Improved public parking with additional spots

GEOTECHNICAL ENGINEERING SERVICES 03/2018 AND 08/2018

PSI was asked to assume the Geotechnical Engineer of Record duties for this project. On this basis, we performed sufficient analysis to replicate the findings and recommendations of the current Geotechnical Engineer of Record. Subsequently, PSI

has completed a confirmatory subsurface investigation in connection with the Gables Station development project at 251 South Dixie Highway in Coral Gables, Florida. We understand that the maximum column loads of the proposed structures will be on the order of 1,900 kips. At the time of our confirmatory subsurface investigation, the project site was under construction. Furthermore, the in-situ soils within the proposed shear wall foundations of the project have been improved by means of vibro-compacted stone column method, which was performed by Hayward Baker, Inc and monitored by PSI.

MATERIALS TESTING SERVICES

During construction, the PSI team provided:

- Third Party Provider Review (including architectural/building, mechanical, plumbing, electrical and fire protection discipline review)
- Permit Expediting Services (for all applicable jurisdiction agencies related to building permit processing and issuance)
- Building Inspection Services (for Building, MEP-FP) related private provider inspection services
- Threshold Inspection Services
- Construction Material Testing (including Visual Observations of Limestone Formation, Vibro-Replacement Monitoring, and Post Tension Elongation Observation Services)



Owner/Client: NP International, 315 Manitoba Avenue, Suite 300, Wayzata, MN 55391 | 2020 Ponce De Leon Blvd, Suite 1104, Coral Gables, FL 33134

Contact: Marco-A. Ferreira, MSCM, CGC, Design and Construction Project Manager | 305.322.8643 | mferreira@np-international.com

PSI Provided: Environmental Asbestos Demolition Survey, Geotechnical Engineering Studies, Construction Materials Testing, Private Provider, & Special Threshold Inspections Services

Dates: 2018-2021

REPRESENTATIVE CLIENTS

AEROTERM US, INC.	CONSTRUCTION	PARSONS BRINKERHOFF
AIMCO CONSTRUCTION GROUP	GERRITS CONSTRUCTION INC	PB AMERICAS, INC.
AJAX BUILDING	GILBANE	PEAK CONTRACTING, INC
AMERICAN BRIDGE	GREATER ORLANDO AVIATION	PERKINS & WILL
ARCHER-WESTERN	AUTHORITY (GOAA)	PGM CONSTRUCTION
ASTALDI CONSTRUCTION	GRESHAM SMITH & PARTNERS	PLAZA CONSTRUCTION
COMPANY	H & M DEVELOPMENT, LLC	PORT TAMPA BAY
ATKINS	HASKELL	PUBLIX
AUSTIN INDUSTRIES	HAWKINS CONSTRUCTION INC	RANGER CONSTRUCTION
BALFOUR BEATTY CONSTRUCTION	HCA (THE HEALTHCARE COMPANY)	REEDY CREEK IMPROVEMENT
BAPTIST HEALTH	HENSEL PHELPS CONSTRUCTION	DISTRICT (RCID)
BATSON-COOK	HITT CONTRACTING	RELATED DEVELOPMENT LLC
BECHTEL	HOK HOLDER	RELIABLE CONTRACTING GROUP
BECK	HUBBARD CONSTRUCTION	REYNOLDS SMITH & HILLS
BILTMORE CONSTRUCTION, LLC	HUNT CONSTRUCTION GROUP	SC ADVISORS, INC.
BLACK & VEATCH	IDL	SCHMID CONSTRUCTION
BRASFIELD & GORRIE	MASTER TENANT, LLC	SEEFRIED PROPERTIES
BRIAR CORPORATION	J.E. DUNN	SHAW-AGER CONSTRUCTION
BROWARD COUNTY	JONES LANG LASALLE AMERICAS	SKANSKA
BUTTERS CONSTRUCTION & DEV	KAST CONSTRUCTION	SOUTH FLORIDA STADIUM, LLC
CAROTHERS CONSTRUCTION, INC	KELLOGG & KIMSEY	STANTEC
CB&I	KIEWIT	STRATEGIC PROPERTY PARTNERS
CHOATE CONSTRUCTION	KIMLEY-HORN	SUFFOLK CONSTRUCTION
CITY OF ORLANDO	KOLTER	TAVISTOCK
CUSHMAN & WAKEFIELD	KVC CONSTRUCTORS	THE CLEVELAND CLINIC
DANIEL CORPORATION	LANE CONSTRUCTION COMPANY	FOUNDATION
DARDEN RESTAURANTS, INC.	MAGELLAN DEVELOPMENT GROUP	TURNER CONSTRUCTION
DBK CONSTRUCTION GROUP	MANHATTAN CONSTRUCTION	COMPANY
DPR CONSTRUCTION, INC	MAPP CONSTRUCTION	UNIVERSAL STUDIOS ORLANDO
DUKE REALTY	MARRIOTT	UNIVERSITY OF CENTRAL FLORIDA
EDGEWATER CONSTRUCTION	MCM CORPORATION	VERDEX CONSTRUCTION
GROUP	MIAMI-DADE COUNTY	WAL-MART
FITZGERALD CONSTRUCTION	MOSS CONSTRUCTION	WALSH
FLORIDA HOSPITAL	NASA	WALT DISNEY WORLD
FUQUA DEVELOPMENT	OAK CONSTRUCTION CO., INC.	WILLIAMS COMPANY
GARMON CONSTRUCTION CORP	ORLANDO HEALTH	WP SOUTH AQUISITIONS
GEORGE APOSTOLOU	PALM BEACH COUNTY	ZURQUI CONSTRUCTION SERVICES

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