

## City of Palm Coast, Florida Agenda Item

**Agenda Date:** July 7, 2026

**Agenda Item:**  
G.1

<p><b>Department</b> UTILITY <b>Division</b> UTILITY CAPITAL CME</p>	<p><b>Amount</b> \$3,639,123.00 <b>Org/Account #</b> 54049082-063000-82012</p>
<p><b>Subject:</b> RESOLUTION 2026-XX APPROVAL OF A CMAR GUARANTEED MAXIMUM PRICE - 2 (GMP-2) FOR GROUND IMPROVEMENTS FOR THE WASTEWATER TREATMENT FACILITY NO. 1 EXPANSION PROJECT</p>	
<p><b>Presenter:</b> Brian Roche, Director of Utility</p>	
<p><b>Attachments:</b></p> <ul style="list-style-type: none"> <li>1. Resolution</li> <li>2. Wharton-Smith Proposal</li> </ul>	
<p><b>Background:</b> <b>Council Priority:</b> <b>D. Sustainable Environment and Infrastructure</b></p> <p>Wastewater Treatment Facility No. 1 (WWTF #1), located at 26 Utility Drive, utilizes an activated sludge treatment process and currently treats approximately 6.83 million gallons per day (MGD). The facility underwent major upgrades in 1994 and 2006.</p> <p>WWTF #1 serves customers located between U.S. Highway 1 and the City's eastern limits and processes approximately 75% of the City's total wastewater flow. To meet current and future capacity needs, the City is undertaking an expansion of WWTF #1 through a Construction Manager at Risk (CMAR) delivery method with Wharton-Smith, Inc.</p> <p>The expansion project will increase the facility's treatment capacity by an additional 4.0 MGD. The proposed design maximizes the use of the existing site while incorporating advanced wastewater treatment technologies.</p> <p>On July 15, 2025, the City Council awarded a CMAR contract to Wharton-Smith, Inc. in the amount of \$1,176,125 for pre-construction services. This contract was intended to be followed by a series of Guaranteed Maximum Price (GMP) agreements for construction. On April 7, 2026, the City Council approved GMP-1 in the amount of \$5,713,585 for construction of electrical upgrades associated with the WWTF #1 expansion.</p> <p>The overall expansion project is being implemented in phases identified as GMP-1, GMP-2, and GMP-3. In addition to the Wharton-Smith contracts, the Capital Improvement Project (CIP) budget includes separate</p>	

agreements with CPH, Inc., the project design engineer, as well as a future construction management services agreement.

This proposed GMP-2 includes a ground improvement package necessary to prepare subsurface conditions for the construction of planned facility structures.

This scope of work includes the installation of vibro-replacement stone columns to improve soil conditions and provide foundational support for structures included in the WWTF #1 Expansion Project. This work will enhance soil bearing capacity, reduce the potential for settlement, and provide the stabilization necessary to support the proposed facility improvements.

Wharton-Smith, Inc. has submitted GMP-2 in the amount of \$3,639,123 for this work.

### **Source of Funds Worksheet**

#### **FY26**

Original Budget: \$20,000,000.00

Total Expended/Encumbered to Date: \$0

Pending Work Orders.Contracts: \$0

Current (WO/Contract): \$1,000,000.00

Balance: \$19,000,000.00

#### **FY27 PROPOSED BUDGET**

Original Budget \$68,000,000.00

Total Expended/Encumbered to Date: \$0.00

Pending Work Orders.Contracts: \$0.00

Current (WO/Contract): \$2,639,123.00

Balance: \$65,360,877.00

#### **Recommended Action:**

**ADOPT RESOLUTION 2026-XX APPROVAL OF A CMAR GUARANTEED MAXIMUM PRICE - 2 (GMP-2) FOR GROUND IMPROVEMENTS FOR THE WASTEWATER TREATMENT FACILITY NO. 1 EXPANSION PROJECT**

**RESOLUTION 2026-  
WWTF 1 GROUND IMPROVEMENTS**

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF PALM COAST, FLORIDA, APPROVAL OF A CMAR GUARANTEED MAXIMUM PRICE - 2 (GMP-2) FOR GROUND IMPROVEMENTS FOR THE WASTEWATER TREATMENT FACILITY NO. 1 EXPANSION PROJECT: PROVIDING LEGISLATIVE AND ADMINISTRATIVE FINDINGS; PROVIDING FOR FUTURE AMENDMENTS; PROVIDING FOR SEVERABILITY; PROVIDING FOR CONFLICTS; PROVIDING FOR IMPLEMENTING ACTIONS; AND PROVIDING FOR AN EFFECTIVE DATE.**

**WHEREAS**, Wharton-Smith, Inc., desires to provide construction management services for the Wastewater Treatment Facility No. 1 ground improvements for the City of Palm Coast; and

**WHEREAS**, the City Council of the City of Palm Coast desires to approve services for the above-mentioned project for the City of Palm Coast.

**NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF PALM COAST, FLORIDA, AS FOLLOWS:**

**SECTION 1. LEGISLATIVE AND ADMINISTRATIVE FINDINGS.** The above recitals (whereas clauses) are hereby adopted as the legislative and administrative findings of the City Council.

**SECTION 2. APPROVAL OF AGREEMENT.** The City Council of the City of Palm Coast hereby approves the terms and conditions of the guaranteed maximum price contract amendment with Wharton-Smith, Inc., for construction management services for the Wastewater Treatment Facility No. 1 for ground improvements as attached hereto and incorporated herein by reference as Exhibit "A."

**SECTION 3. FUTURE AMENDMENTS.** The City Manager, or designee is hereby authorized to approve any future amendment to the guaranteed maximum price contract amendment for changes totaling less than \$100,000.00 as long as this amount does not exceed the line-item limit for the budgeted purchase. Further, the City Manager has the

authority to execute amendments to the guaranteed maximum price contract amendment on behalf of the City for any other changes that may be necessary.

**SECTION 4. SEVERABILITY.** If any section or portion of a section of this Resolution proves to be invalid, unlawful, or unconstitutional, it shall not be held to invalidate or impair the validity, force, or effect of any other section or part of this Resolution.

**SECTION 5. CONFLICTS.** All resolutions or parts of resolutions in conflict with any of the provisions of this Resolution are hereby repealed.

**SECTION 6. IMPLEMENTING ACTIONS.** The City Manager is hereby authorized to take any actions necessary to implement the action taken in this Resolution.

**SECTION 7. EFFECTIVE DATE.** This Resolution shall take effect immediately upon adoption by the City Council.

**DULY PASSED AND ADOPTED** by the City Council of the City of Palm Coast, Florida, on this 7<sup>th</sup> day of July 2026.

ATTEST:

CITY OF PALM COAST

\_\_\_\_\_  
KALEY COOK, CITY CLERK

\_\_\_\_\_  
MICHAEL NORRIS, MAYOR

APPROVED AS TO FORM AND LEGALITY

\_\_\_\_\_  
MARCUS DUFFY, CITY ATTORNEY

Attachment: Exhibit "A" WWTF 1 GMP 2 Ground Improvements

# The City of Palm Coast WWTF No. 1 Expansion GMP-2 Ground Improvements



## Guaranteed Maximum Price

Issued: 4/30/26

Presented by Wharton-Smith (CMAR)



Wharton-Smith Contact:  
Josh Burns – Project Executive  
[jburns@whartonsmith.com](mailto:jburns@whartonsmith.com)

Engineer: CPH

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## SECTION 1 – EXECUTIVE SUMMARY

April 30, 2026

Ms. Nancy Thakkar  
Utility Project Manager II  
City of Palm Coast  
160 Lake Avenue  
Palm Coast, FL 32164

Palm Coast WWTF No. 1 Expansion  
GMP-2 Ground Improvements

Dear Ms. Thakkar:

Wharton-Smith is pleased to submit the Guaranteed Maximum Price for the WWTF No. 1 Expansion, GMP-2 Ground Improvements project. Our current construction schedule along with a comprehensive breakdown of material, equipment, subcontractor, and labor is provided in the supporting documentation following this letter. The GMP for this scope of work is valued at **\$3,639,123**.

Please note the following clarifications regarding this proposal:

1. All work is in accordance with CPH's Wastewater Treatment Facility No. 1 Expansion GMP-2 plans and technical specifications, 90% Progress Set, dated February 3, 2026, inclusive of Addenda 1, 2, and 3.
2. Please refer to Section 2 for the GMP Cost Summary, Directs and General Conditions which shall be considered lump sum.
3. Bid evaluations for the ground improvement work package have been included in Section 3 along with the proposal from the recommended bidder.
  - a. The recommended Vibro Replacement contractor is subject to approval by the Engineer of Record.
4. The contingency and allowances carried within this GMP is reflective of the proposed Risk Register included in Section 4.
5. Our current estimated duration of construction is eighteen (18) weeks for the scope of work. We have included project management staff that is appropriate for this project. Please reference the enclosed current construction schedule in Section 5.
6. We have the following clarifications for the team's review and consideration:
  - a. We have included an allowance of \$20,000 for vibration monitoring
  - b. We have included an allowance of \$35,000 for independent testing.
  - c. We have included an allowance of \$100,000 for Wharton-Smith self-perform assistance and maintenance support.
  - d. We have included a performance and payment bond and insurance.
  - e. No building permits are assumed to be required for this scope of work. Should any permits be necessary, all associated fees will be paid directly by the Owner.
  - f. It is assumed that Palm Coast will provide power and water for use during construction activities at no cost to the project.
  - g. All pricing (Labor, Materials, Equipment, Subcontract) is based on current market value from the day of the bid with no escalation or inflation adjustments unless otherwise noted.

- h. The duration of material lead times are based on current market conditions.
- i. The Risk Register includes an allowance for Escalations.
- j. No delegated design for permanent installations has been included in this GMP, except as required by Section 02950 – Vibro Replacement (Stone Columns) for Ground Improvement.
- k. Builder's Risk insurance for the full 4MGD Expansion project is carried within this GMP. This policy covers the complete scope of the 4MGD Expansion and is not limited to the GMP-2 ground improvement work package alone.

Upon review, I am available to discuss at your earliest convenience.

Regards,



Josh Burns

Project Executive

Wharton Smith, Inc.

## SECTION 2 – COST SUMMARY



**CITY OF PALM COAST - PALM COAST WWTF NO. 1 EXPANSION  
GMP 2 - GROUND IMPROVEMENT  
4/30/2026**

**COST SUMMARY**

		LABOR	EQUIPMENT	MATERIALS	SUBS	TOTALS
<b>Total Direct Costs</b>		\$ 8,045	\$ -	\$ 7,811	\$ 2,805,440	\$ 2,821,296
<b>Total GC's</b>		\$ 76,523	\$ -	\$ -	\$ 9,250	\$ 85,773
<b>Owner's Allowance</b>					\$ -	\$ -
<b>Contingency (Risk Register)</b>					\$ 363,213	\$ 363,213
<b>CONSTRUCTION COSTS</b>		<b>\$84,568</b>	<b>\$0</b>	<b>\$7,811</b>	<b>\$3,177,903</b>	<b>\$3,270,282</b>
<b>Bond</b>					\$ 27,604	\$ 27,604
<b>Insurance</b>					\$ 40,758	\$ 40,758
<b>Fee</b>	<b>9.0%</b>				\$ 300,478	\$ 300,478
<b>TOTAL PROJECT COST</b>		<b>\$84,568</b>	<b>\$0</b>	<b>\$7,811</b>	<b>\$3,546,743</b>	<b>\$3,639,123</b>



**COST OF WORK**

DESCRIPTION	QTY	UOM	LABOR	EQUIPMENT	MATERIALS	SUBS	\$ TOTALS
			\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	\$ AMOUNT	
<b>GENERAL REQUIREMENTS DIVISION 0</b>							
GENERAL REQUIREMENTS SUMMARY	1	LS	\$ 8,045	\$ -	\$ 7,811	\$ 2,400,500	\$ 2,416,356
<b>BID PACKAGES</b>							
Ground Improvement Package	1	LS	\$ -	\$ -	\$ -	\$ 404,940	\$ 404,940
<b>TOTAL DIRECT COST</b>							
			\$ 8,045	\$ -	\$ 7,811	\$ 2,805,440	\$ 2,821,296



**Wharton-Smith, Inc.**  
CONSTRUCTION GROUP

JOB NAME:	PALM COAST WWTF NO. 1 EXPANSION			
ESTIMATE #:	0			

GENERAL REQUIREMENTS	DURATION =		0 DIRECT MANHOURS		0		MANWEEKS								
	MONTHS, PLANNED														
DESCRIPTION	QTY	UNIT	MH/UNIT	BASE RATE	LABOR		EQUIPMENT		MATERIAL		SUBCONTRACTS		\$ TOTALS		
					U/P	TOTAL MH	\$ AMOUNT	HR/UNIT	RATE	\$ AMOUNT	U/P	\$ AMOUNT		\$ AMOUNT	U/P
W/ 7% TAX															
<b>TEMP. FACILITIES &amp; UTILITIES</b>															
WATER, INSTALL AND REMOVE TEMPORARY SYSTEM	1	LS	120	\$52.00	\$6,240.00	120	\$6,240			\$0.00	\$5,000.00	\$5,000	\$5,350	\$0	\$11,590
WATER, MONTHLY	2	MO		\$52.00	\$0.00	0	\$0			\$0.00	\$150.00	\$300	\$321	\$0	\$321
TEMPORARY TOILETS - 1 REQUIRED	2	MO		\$52.00	\$0.00	0	\$0			\$0.00	\$250.00	\$500	\$535	\$0	\$535
<b>SAFETY &amp; HEALTH &amp; HOUSEKEEPING</b>															
CLEAN-UP THROUGHOUT DURATION OF PROJECT	9	WK	4	\$52.00	\$208.00	35	\$1,805			\$0.00		\$0	\$0	\$0	\$1,805
DUMPSTERS	2	MO		\$52.00	\$0.00	0	\$0			\$0.00	\$500.00	\$1,000	\$1,070	\$0	\$1,070
<b>PERMITS, FEES, INSURANCE, LEGAL, ETC.</b>															
BUILDER'S RISK INSURANCE- OVER \$100M	1	LS		\$52.00	\$0.00	0	\$0			\$0.00		\$0	\$0	\$2,375,000.00	\$2,375,000
<b>PROJECT DOCUMENTATION AND SERVICES</b>															
PHOTOGRAPHS	2	MO		\$52.00	\$0.00	0	\$0			\$0.00	\$250.00	\$500	\$535	\$0	\$535
PRE-CONSTRUCTION AUDIO-VIDEO DOCUMENTATION	1	LS		\$52.00	\$0.00	0	\$0			\$0.00		\$0	\$0	\$2,500.00	\$2,500
INDEPENDENT TESTING SERVICES	1	LS		\$52.00	\$0.00	0	\$0			\$0.00		\$0	\$0	\$3,000.00	\$3,000
REGISTERED SURVEYOR SERVICES	1	LS		\$52.00	\$0.00	0	\$0			\$0.00		\$0	\$0	\$20,000.00	\$20,000
<b>TOTAL GENERAL REQUIREMENTS</b>						155	\$8,045			\$0	\$7,300	\$7,811	\$2,400,500		\$2,416,356



**Wharton-Smith, Inc.**  
CONSTRUCTION GROUP

JOB NAME: PALM COAST WWTF NO. 1 EXPANSION

ESTIMATE #: 0

GENERAL CONDITIONS																
DESCRIPTION	QTY	UNIT	MH/ UNIT	BASE RATE	LABOR			HR/UNIT	EQUIPMENT		MATERIAL			SUBCONTRACTS		\$ TOTALS
					U/P	TOTAL MH	\$ AMOUNT		RATE	\$ AMOUNT	U/P	\$ AMOUNT	\$ AMOUNT	U/P	\$ AMOUNT	
PROJECT MANAGEMENT TEAM																
FIELD STAFF																
Superintendent	9	WK	40	\$165.00	\$6,600.00	347	\$57,288		\$0.00		\$0	\$0		\$0	\$57,288	
OFFICE STAFF																
Senior Project Manager	9	WK	8	\$176.00	\$1,408.00	69	\$12,221		\$0.00		\$0	\$0		\$0	\$12,221	
Project Engineer	9	WK	8	\$101.00	\$808.00	69	\$7,013		\$0.00		\$0	\$0		\$0	\$7,013	
RELATED MANAGEMENT COSTS																
Software Costs	1	LS		\$52.00	\$0.00	0	\$0		\$0.00		\$0	\$0	\$9,250	\$9,250	\$9,250	
<b>TOTAL GENERAL CONDITIONS</b>						486	\$76,523		\$0		\$0	\$0	\$9,250	\$9,250	\$85,773	

## SECTION 3 – BID EVALUATION

Bid Evaluation and Comparison Sheet

Bid Package #:

1

Bid Package: **Ground Improvements**

Project N Palm Coast WWTF No. 1 Expansion

Owner: City of Palm Coast

Bid Date: 04/16/26

[Pricing Summary](#)

	Menard Craig Anstett, P.E. 813-909-8000 813-241-7418 craig.anstett@menardusa.com	Geotek Ghassan Akrouh, P.E. 813-833-1295 813-776-6664 gakrouh@geotek-co.com	Keller Trey Davis, P.E. 813-884-3441 trdavis@keller-na.com	Geopier/ Tensar International Corporation/Pet Trey Pippin, P.E. 865-771-0484 trey.pippin@cmc.com		
<b>Total Adjusted Bid:</b>	\$ 927,180.00	\$ 404,940.00	\$ 1,695,100.00	\$ 391,880.00	\$ -	\$ -

Base Bid Line Items													
Item No:	Brief Description	Qty	Unit	Unit Cost	Total	Unit Cost	Total	Unit Cost	Total	Unit Cost	Total	Unit Cost	Total
1.	Design and Submittal Package	1	LS	\$ 18,000.00	\$ 18,000.00	\$ 10,000.00	\$ 10,000.00	\$ 25,000.00	\$ 25,000.00	\$ 15,000.00	\$ 15,000.00	\$ -	\$ -
2.	Mobilization and General Requirements	1	LS	\$ 25,000.00	\$ 25,000.00	\$ 22,000.00	\$ 22,000.00	\$ 85,000.00	\$ 85,000.00	\$ 35,000.00	\$ 35,000.00	\$ -	\$ -
3.	BNR Tank-Stone Column Improvements	1	LS	\$ 383,532.00	\$ 383,532.00	\$ 140,000.00	\$ 140,000.00	\$ 675,000.00	\$ 675,000.00	\$ 136,500.00	\$ 136,500.00	\$ -	\$ -
4.	CCC Tank-Stone Column Improvements	1	LS	\$ 58,337.00	\$ 58,337.00	\$ 20,000.00	\$ 20,000.00	\$ 100,000.00	\$ 100,000.00	\$ 28,500.00	\$ 28,500.00	\$ -	\$ -
5.	Digester Tank-Stone Column Improvements	1	LS	\$ 151,860.00	\$ 151,860.00	\$ 90,000.00	\$ 90,000.00	\$ 244,000.00	\$ 244,000.00	\$ 59,000.00	\$ 59,000.00	\$ -	\$ -
6.	Clarifiers 1-4	1	LS	\$ 281,271.00	\$ 281,271.00	\$ 115,000.00	\$ 115,000.00	\$ 546,000.00	\$ 546,000.00	\$ 114,000.00	\$ 114,000.00	\$ -	\$ -
7.	Payment and Performance Bond	1	LS	\$ 9,180.00	\$ 9,180.00	\$ 7,940.00	\$ 7,940.00	\$ 20,100.00	\$ 20,100.00	\$ 3,880.00	\$ 3,880.00	\$ -	\$ -

Bid Alternates													
Item No:	Brief Description	Qty	Unit	Unit Cost	Total	Unit Cost	Total	Unit Cost	Total	Unit Cost	Total	Unit Cost	Total
1.	Design and Submittal Package	1	LS		\$ -		\$ -		\$ -		\$ -		\$ -
2.	Mobilization and General Requirements	1	LS		\$ -		\$ -		\$ -		\$ -		\$ -
3.	BNR Tank-Rigid Inclusion Improvements	1	LS		\$ -		\$ -		\$ -		\$ -		\$ -
4.	CCC Tank-Rigid Inclusion Improvements	1	LS		\$ -		\$ -		\$ -		\$ -		\$ -
5.	Digester Tank-Rigid Inclusion Improvements	1	LS		\$ -		\$ -		\$ -		\$ -		\$ -
6.	Clarifier 1-4	1	LS		\$ -		\$ -		\$ -		\$ -		\$ -
7.	Payment and Performance Bond	1	LS		\$ -		\$ -		\$ -		\$ -		\$ -
<b>Base Bid Subtotal:</b>				\$ 927,180.00		\$ 404,940.00		\$ 1,695,100.00		\$ 391,880.00		\$ -	\$ -
<b>Bid Alternate Total:</b>				\$ -		\$ -		\$ -		\$ -		\$ -	\$ -
<b>Total Bid:</b>				\$ 927,180.00		\$ 404,940.00		\$ 1,695,100.00		\$ 391,880.00		\$ -	\$ -

Bid Form Requirements													
Item No:	Scheduled Lead Times for Deliverables and Construction	Calendar Days to Complete	Calendar Days to Complete	Calendar Days to Complete	Calendar Days to Complete	Calendar Days to Complete	Calendar Days to Complete	Calendar Days to Complete	Calendar Days to Complete	Calendar Days to Complete	Calendar Days to Complete	Calendar Days to Complete	Calendar Days to Complete
1.	Submittal and Design Package	6 weeks	14	3-4 weeks	21								
2.	Lead Time for Mobilization	4 weeks	28	3-4 weeks	21								
3.	Grounds Improvements via Stone Columns	6-7 weeks	42	12-14 weeks	30								
4.	Grounds Improvements via Rigid Inclusions (Alternate)		NA		NA								

Grant Funding Compliance													
Base Bid is in compliance with Davis-Bacon Requirements (Circle One):													
Base Bid is in compliance with AIS Requirements (Circle One):													

Post Bid Adjustments													
Item No:	Value Engineering	Qty	Unit	Unit Cost	Total	Unit Cost	Total	Unit Cost	Total	Unit Cost	Total	Unit Cost	Total
1.		1	EA		\$ -		\$ -		\$ -		\$ -		\$ -
2.		1	EA		\$ -		\$ -		\$ -		\$ -		\$ -
3.		1	EA		\$ -		\$ -		\$ -		\$ -		\$ -
4.		1	EA		\$ -		\$ -		\$ -		\$ -		\$ -
<b>Total Value Engineering Items:</b>				\$ -		\$ -		\$ -		\$ -		\$ -	\$ -
<b>Bid Review Corrections / Adjustments:</b>				\$ -		\$ -		\$ -		\$ -		\$ -	\$ -
<b>Total Adjusted Bid:</b>				\$ 927,180.00		\$ 404,940.00		\$ 1,695,100.00		\$ 391,880.00		\$ -	\$ -

Recommend **Geotek** due to past performance, proximity to job, and risk profile.

Project : Palm Coast WWTF No. 1 Expansion – GMP 2

Bid Package No: **01**

Bid Package : **Ground Improvement Package**

To : Andrew Lanphier  
Wharton-Smith, Inc.

[watergmpbids@whartonsmith.com](mailto:watergmpbids@whartonsmith.com)

**Bidder Information:**

Company: Geotek Construction, LLC

Contact Name: Ghassan Akrouch Title: President

Address: 8270 Woodland Center Blvd, Tampa, FL, 33614

Phone Number: 813-833-1295 Email: gakrouch@geotek-co.com

**Bid Proposal Documentation Checklist (check all that apply):**

- |   |  |
|---|--|
| <input checked="" type="checkbox"/> Bid Form                    | <input checked="" type="checkbox"/> Bid Schedule             |
| <input checked="" type="checkbox"/> Licenses                    | <input checked="" type="checkbox"/> Sanctions and Litigation |
| <input checked="" type="checkbox"/> Proof of Bonding Capability | <input type="checkbox"/> Value Engineering Proposal          |
| <input checked="" type="checkbox"/> Certificate of Insurance    | <input checked="" type="checkbox"/> Clarifications           |

**Bidder’s Acknowledgements:**

- The undersigned Bidder agrees if this bid is accepted, to enter into a Purchase Order or Subcontract Agreement with the Construction Manager per the Agreement terms included in the Bid Documents.
- Bidder accepts all the terms and conditions of the Bid Documents.
- Bidder has examined copies of all the Bid Documents and the following addenda:  

No.: <u>1</u> Addendum Date: <u>March 17, 2026</u>	No.: <u>3</u> Addendum Date: <u>April 6, 2026</u>
No.: <u>2</u> Addendum Date: <u>March 23, 2026</u>	No.: _____ Addendum Date: _____
- Bidder has carefully examined the site and locality where the work is to be performed and the legal requirements (federal, state and local laws, ordinances, rules and regulations) and conditions affecting cost, degree of difficulty, progress or performance of the work and has made such independent investigations as Bidder deems necessary.
- Bidder has reviewed and understands the Project Schedule furnished in the Bid Documents and commits to perform and complete the Scope of Work of this Bid Proposal within the durations indicated and will meet all milestone dates detailed therein. Bidder understands that time is of the essence and any delays in completion of any portion of the Work may result in damages.
- This Bid is genuine and (a) not made in the interest or on behalf of any undisclosed person, firm, or corporation (b) is not submitted in the conformity with any agreement or rules of any group, association, organization, or corporation (c) Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid (d) Bidder has not solicited or induced any person, firm or corporation to refrain from bidding (e) Bidder has not sought by collusion to obtain for himself any advantage over any other Bidder or over Owner.
- This Bid Proposal will remain open for acceptance by the Construction Manager for a period of one hundred and eighty (180) days after the date submitted. The price is to be valid for the duration of the Project Schedule after execution

of a Purchase Order or Subcontract Agreement.

8. The total base bid includes all labor, material, equipment, taxes, overhead, profit, and all other costs required to complete the scope of this Bid Package as outlined in the Bid Documents.
9. The bid pricing will be broken out as follows. Regarding the bid pricing, the total bid price will be dependent on whether the alternates are accepted by the City of Palm Coast. The City of Palm Coast has the sole discretion to accept any, all, or none of the work items for this scope of work based on the bid pricing received.

**BASE BID – STONE COLUMNS**

Item No.	Brief Description of Item	QTY	UM	Unit Price	Total Price
1.	Design and Submittal Package	1	LS	\$ 10,000	\$ 10,000
2.	Mobilization and General Requirements	1	LS	\$ 22,000	\$ 22,000
3.	BNR Tank – Stone Column Improvements	1	LS	\$ 140,000	\$ 140,000
4.	CCC Tank – Stone Column Improvements	1	LS	\$ 20,000	\$ 20,000
5.	Digester Tank - Stone Column Improvements	1	LS	\$ 90,000	\$ 90,000
6.	Clarifiers 1-4	1	LS	\$ 115,000	\$ 115,000
7.	Payment and Performance Bond	1	LS	% 2%	\$ 7,940
				<b>Total Bid:</b>	\$ 404,940
<b>(TOTAL BID AMOUNT WRITTEN IN WORDS):</b> Four hundred and four thousands, and nine hundred and forty dollars					


**ALTERNATE – RIDGID INCLUSIONS**

Item No.	Brief Description of Item	QTY	UM	Unit Price	Total Price
1.	Design and Submittal Package	1	LS	\$	\$
2.	Mobilization and General Requirements	1	LS	\$	\$
3.	BNR Tank - Rigid Inclusion Improvements	1	LS	\$	\$
4.	CCC Tank - Rigid Inclusion Improvements	1	LS	\$	\$
5.	Digester Tank - Rigid Inclusion Improvements	1	LS	\$	\$
6.	Clarifier 1-4	1	LS	\$	\$
7.	Payment and Performance Bond	1	LS	%	\$
				<b>Total Bid:</b>	\$
<b>(TOTAL BID AMOUNT WRITTEN IN WORDS):</b>					

**SCHEDULED LEAD TIMES FOR DELIVERABLE**

<u>Item No.</u>	<u>Brief Description of Item</u>	<u>Calendar Days to Complete</u>
1.	Submittal and Design Package	<u>14</u>
2.	Lead Time for Mobilization	<u>28</u>
3.	Ground Improvements via Stone Columns	<u>42</u>
4.	Ground Improvements via Rigid Inclusions (Alternate)	<u>NA</u>

The undersigned hereby certifies that Bidder has carefully reviewed the Bid Documents and with full knowledge and understanding of the requirements of the Bid Documents and that this Bid Proposal meets all specifications, terms, and conditions contained in the Bid Documents, in its entirety.

 <hr/> Signature	Ghassan Akrouch   President <hr/> Print Name / Title	04/16/2026 <hr/> Date
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## VIBRO REPLACEMENT PROPOSAL

**Client:** Wharton Smith Inc,  
750 Monroe Rd  
Sanford, FL, 32771

**Attention:** Andrew Lanphier

**Reference:** Vibro Replacement  
Palm Coast WWTF No. 1 Expansion  
Pak Coast, FL

Andrew,

Geotek Construction, LLC ("GeoTek") is pleased to submit this proposal for the Vibro Replacement (VR) and Compaction Grout scope of work on the above referenced project. This proposal is based upon the following:

1. Subsurface Investigation and Geotechnical Engineering prepared by Universal Engineering Sciences dated February 7, 2025.
2. Foundation drawings prepared by CPH Consulting, LLC dated 01/29/2026.
3. Vibro Replacement (VR) treatment for the below listed structures to achieve a soil bearing pressure of 1,400 psf while maintaining total and differential settlement within allowable limits of 1" and 1/2" respectively.
  - a. Biological Nutrient Removal Tank
  - b. Chlorine Contact Chamber
  - c. Sludge Digester Tanks
  - d. Clarifiers C-1, C-2, C-3, and C-4
4. Wet Top Feed VR installation method.
5. Predrilling to ensure Vibro Probe penetration.
6. All work before any structures are built
7. Working near existing grade

Our proposal **includes** the following:

1. Design package signed and sealed by a Professional Engineer registered in the State of Florida.
2. All labor, materials, and equipment for the VR scope of work.
3. Layout of all VR points with measuring tapes from center of column foundations, starting/ending points of wall foundations and corners of mat foundations **provided by others**.
4. Proposal valid for 60 days.

GeoTek proposes to perform the VR work described in this proposal in a single uninterrupted and unobstructed mobilization for a lump sum price of **\$397,000** with an approximate duration of **6 weeks** after full mobilization to the site using 1 rig, working 5 to 6 days per week and 10 hours shift.



**Material Prices:** This lump sum price is based on current material and fuel prices. GeoTek shall be reimbursed for all increases in the cost of material or delivery as of the date of installation plus 15% overhead and profit.

**Attachments:** Attached to this proposal are:

- Appendix A: Qualifications Letter
- Appendix B: Sections & Litigation
- Appendix C: List of Subcontractors
- Appendix D: MBE/WBE/DBE Participation
- Appendix E: Licenses
- Appendix F: Certificate of Insurance
- Appendix G: Proof of Bonding Capacity

Our proposal **excludes** the following and will require these to be provided/performed by others:

1. All permits, regulation compliance, etc....
2. Clear, grub, and strip the site.
3. Remove debris from any existing structure (s) and utilities prior to the start of the VR work.
4. Locate, relocate, protect, or remove underground and overhead utilities. All VR work must be a minimum of 20 feet from existing power lines.
5. Protection of existing structures. This includes preconstruction surveys, isolation trenches, vibration monitoring and other measures needed. In the event of vibrations exceeding tolerable limits, GeoTek will move to a different area of the site to allow the project team to determine the appropriate course of action.
6. Prepare and maintain a dry, firm, and level work platform for GeoTek rigs and equipment with adequate uninterrupted access for GeoTek and its supplier's equipment and material trucks operating under their own power.
7. Provision of a fire hydrant type water source ( $\pm 125$  gpm at 75 psi) within 500 feet of GeoTek work area (hydrant meter and water cost by others).
8. Haul off or reuse of soils generated from the VR/drilling process.
9. Control of water created by VR construction process (berms, ditches, dewatering, etc....).
10. Regrade and surface compaction of the site following the completion of the VR work.
11. Load Test, Standard Penetration Tests (SPT), or Cone Penetration Test (CPT), if required, to measure the improvement of the clean granular soils.
12. Any required 3<sup>rd</sup> Party testing and inspection including monitoring of the VR work.
13. Handle of any contaminated and/or hazardous substances.
14. Pollution liability insurance.

**General Conditions:**

1. Our price does not include payment or performance bond. A 100% payment and performance bond can be provided for an additional 2% of the contract amount.
2. Progress payments will be submitted monthly and shall be payable within 30 days of the invoice date. All other amounts due, including retention, shall be paid in full within 45 days of substantial completion of GeoTek's work, regardless of the anticipated project completion date.
3. Standby rate is defined as anytime GeoTek crews are on site and encounter work interruptions which are not the fault of and/or beyond the control of GeoTek. Hourly basis at the standby rate of \$800 per hour. More than 4 hours is charged at the daily rate of \$6,400.

GeoTek appreciate the opportunity to provide this proposal to you and look forward to working with you on this project. Please feel free to contact us to discuss any questions you may have.

Sincerely,

**Geotek Construction, LLC**



Ghassan Akrouch, Ph.D., P.E.  
President | Chief Engineer



Michael K. Simpson, MS, PE  
Sr. Project Manager

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## Appendix A – Qualifications Letter

## Project Team & Organizational Structure

The project will be executed using a Design-Build approach with a dedicated team experienced in ground improvement and specialty foundation systems.

### Key Personnel:

- **Ghassan (Gus) Akrouh – Principal / Design Engineer**  
Overall responsibility for project execution, client coordination, and ensuring performance requirements are met. Provides technical oversight and strategic direction. Leads the design of the ground improvement system, including analysis, calculations, and preparation of signed and sealed submittals.
- **Michael Simpson – Project Manager**  
Responsible for day-to-day project management, scheduling, coordination with the client and design team, submittals, and cost control.
- **Zachry Kilpatrick / Robert Torres – Field Superintendent | QA/QC**  
Oversees field operations, crew management, safety compliance, and quality control during installation. Responsible for inspection, testing coordination, documentation, and verification of installation parameters.

### Organizational Structure:

The project will follow a streamlined reporting structure:

- Principal → Project Manager → Field Superintendent → Crew
- Design Engineer works in coordination with Project Manager and Client/Engineer of Record
- QA/QC reports to Project Manager and supports both field and design teams

This structure ensures clear communication, accountability, and efficient execution.

## Relevant Project Experience (3–5 Projects)

**Project 1:** North Florida Mega Industrial Park

**Location:** Lake City, FL

**General Contractor:** Wharton Smith, Inc.

**General Contractor Contact:** Travis Cassella, (904) 699-3253, tcassella@whartonsmith.com

### Project Description:

Design and Installation of a ground improvement system consisting of Vibro Replacement and Rigid Inclusion for 2 large tanks

**Actual Construction Cost:** \$433,000

**Completion Date:** October 2023

**Project 2:** Belleview WRF Expansion**Location:** Belleview, FL**General Contractor:** Wharton Smith, Inc.**General Contractor Contact:** Danny Jenkins, (904) 521-8083, djenkins@whartonsmith.com**Project Description:**

Design and Installation of a Vibro Replacement ground improvement system for 2 large tanks.  
Grouting for sinkholes

**Actual Construction Cost:** \$562,000**Completion Date:** October 2025

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**Project 3:** Haines City WWTP Expansion**Location:** Haines City, FL**General Contractor:** Vogel Bros Building Co.**General Contractor Contact:** Christian Spires, (863) 646-5078, cspires@vogelbldg.com**Project Description:**

Design and Installation of Rigid Inclusion system for the construction of a new tank

**Actual Construction Cost:** \$118,850**Completion Date:** December 2025

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**Project 4:** Southeast Regional Water Reclamation Center**Location:** Haines City, FL**General Contractor:** PC Construction**General Contractor Contact:** Nicholas Leclerc, (386) 387-1870, NLeclerc@pcconstruction.com**Project Description:**

Design and Installation of Helical Piles to support a new tank

**Actual Construction Cost:** \$335,149**Completion Date:** July 2025

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**Project 5:** Woodfield Mariner Street

**Location:** Tampa, FL

**General Contractor:** CBG Building Company

**General Contractor Contact:** David Citro, (813) 560-6634, david.citro@cbgbc.com

**Project Description:**

Design and Installation of Vibro Replacement and Rigid Inclusions Ground Improvement System

**Actual Construction Cost:** \$1,574,502

**Completion Date:** August 2025

## GHASSAN AKROUCH, PH.D., P.E.

PRESIDENT | CHIEF ENGINEER

**Registration/  
Certifications** Professional Engineer: Florida, Georgia, South Carolina, North Carolina  
General Contractor: Florida  
Concrete Contractor: South Carolina

**Education** **Ph.D. in Civil Engineering**, Texas A&M University, College Station, TX, 2014

- Field of Study: Geotechnical Engineering
- Dissertation: "Energy Piles in Cooling Dominated Climates"

**M.E. in Civil Engineering**, Texas A&M University, College Station, TX, 2011

- Field of Study: Geotechnical Engineering
- Dissertation: "Laterally Loaded Piles Under Dynamic Loads"

**M.E. in Civil Engineering**, Lebanese University, Beirut, Lebanon, 2009

- Field of Study: Structural Engineering
- Dissertation: "Geotechnical and Structural Design of Oluwa Bridge"

### Area of Expertise

#### Ground Improvement

Vibro-Replacement  
Vibro-Compaction  
Compaction Grouting  
Rigid Inclusions  
Soil Mixing

#### Earth Retention

Retaining Structures  
Sheet Piles  
Soldier Beam and Lagging  
Tie Back Anchors  
Soil Nailing

#### Structural Support

Shallow Foundation  
Deep Foundation  
Micropiles  
Auger Cast Piles  
Energy Piles

### Affiliations

American Society of Civil Engineers, ASCE  
Geo-Institute  
Deep Foundation Institute



### Professional Experience

**2022 – Present**    **Owner | President**

**Geotek Construction, LLC**

Ground Improvement and Deep Foundation Design-Build Contractor

**2018 – 2022**    **Area Manager | Chief Engineer**

**Earth Tech, LLC**

- Area Manager for Earth Tech in Georgia, USA
- Chief Engineer Responsible for geotechnical design and quality control of ground improvement, earth retention and Micropile systems, research and development for existing and new technologies, assisting with Earth Tech marketing and business development in the Southern Region.
- Design engineer and Project Manager for major/notable ground improvement projects such as:
  - GDOT I-75 Widening/Reconstruction from SR 331 to I-285-Atlanta,GA – Aggregate Piers and Rigid Inclusions for 35 ft. high MSE Walls and Embankment
  - Ridge Road Expansion Phase 1 in Pasco County, FL – Rigid Inclusions for MSE Wall and Embankment over 20 ft. of muck and organics
  - Engineer of Record for over 100 ground improvement and deep foundation projects

**2014 - 2018**    **Lead Ground Improvement Engineer**

**Keller - Tampa, FL**

- Lead Engineer Responsible for geotechnical design and quality control of ground improvement, earth retention and Micropile systems, research and development for existing and new technologies, design and implementation of instrumentation and load testing for ground improvement and Micropile projects, assisting with Keller marketing and business development in Florida.
- Lead engineer for major/notable projects such as:
  - Hidden Harbor, Ft. Myers, FL - Mass Soil Mixing to globally stabilize a mechanically stabilized earth (MSE) built adjacent to a lake.
  - Boeing Decorative Paint Facility, Charleston, SC - Hybrid Earth Retention System (Mass soil mixing gravity and cantilever walls, anchored and internally braced sheet pile walls).
  - Sister's Creek, Jacksonville, FL - Rigid Inclusion supported high embankment (10 m.) over loose soils.
  - Engineer of Record for over 100 Ground Improvement, Earth Retention, and Deep Foundation projects

2008 - 2010

**Design Engineer**

**International Institute for Geotechnics and Materials - Beirut, Lebanon**

- Responsible for geotechnical and structural design of shallow foundations, deep foundations, structural support, tie-back and tie-down anchors, soil nails, and reinforced and non-reinforced slope stability systems.
- Lead engineer for major/notable projects such as:
  - Oluwa Bridge, Oluwa State, Nigeria - Design of drilled shafts foundation system for Oluwa Bridge, Nigeria.
  - Glover 13, Gerard 6, Nipost, Gerard 46, and Banana Residence II, Lagos, Nigeria - Design of CFA piles foundation system for residential towers.
  - Trabaud #1804, Ashrafieh, Lebanon – Structural and Geotechnical design of excavation support system for 80 ft. excavation in an urban environment
  - Saifi Attics, Ashrafieh, Lebanon – Structural and Geotechnical design of excavation support system for 70 ft. excavation in an urban environment

**Publications**

**Journal Papers**

- **Akrouch G.A.**, Sanchez M., and Briaud, J-L. (2014). “Thermo-Mechanical Behavior of Energy Piles in High Plasticity Clays”. Acta Geotechnica, (available online: April 2014). DOI: 10.1007/s11440-014-0312-5.
- **Akrouch G.A.**, Briaud J.L., Sanchez M., and Yilmaz R. (2013). “Thermal Cone Test to Determine Soil Thermal Properties”. Journal of Geotechnical and Geoenvironmental Engineering ASCE.
- **Akrouch G.A.**, Sanchez M., and Briaud, J-L., “An Experimental Analytical and Experimental Study on the Thermal Efficiency of Energy Piles in Unsaturated Soils”. Computer and Geotechnics

**Keynote and Invited Conference Papers**

- **Akrouch G.A.**, Briaud J.L., and Sanchez M. (2013). Energy piles for heating and cooling purposes. Proceedings of the 5th International Young Geotechnical Engineers' Conference, Vol. 2, pp. 161 - 164, Paris, France.
- **Akrouch G.A.**, Briaud J.L. and Sanchez M. (2014). “Energy Piles in Cooling Dominated Climate”. Invited Lecture: 7th International Congress on Environmental Geotechnics. Melbourne, Australia. 10th to 14th Nov. 2014.

- Publications**  
**(Continued)**
- Sanchez M., **Akrouch G.A.**, and Briaud JL. (2014). “Energy Piles in Cooling Dominated Climates”. Invited Lecture: Geo-San Antonio 2014 - Geotechnical Topics in the Energy Sector. Organized by the Geo-Institute Texas and San Antonio Chapters. The Universidad of Texas at San Antonio, 14th Mar. 2014.
  - **Akrouch G.A.**, Sánchez, M., and Briaud, J. (2015) Effect of the Unsaturated Soil Condition on the Thermal Efficiency of Energy Piles. IFCEE 2015: pp. 1618-1627. doi: 10.1061/9780784479087.146

**Books**

- **Akrouch G.A.**, Sanchez M. and Briaud JL. (2013). Chapter 9, Title: “Energy Geo-structures in Cooling-Dominated Climates”. Book title: “Energy geo-structures: innovation in underground engineering”. Editor: Lyesse Laloui and Alice Di Donna. Publisher Wiley. ISBN: 9781848215726. Pp 175-190.
- Arson C.; Berns E., **Akrouch G.A.**, Sanchez M. and Briaud J-L. (2013). Chapter title: “Heat Propagation around Geothermal Piles and Implications on Energy Balance” Book title: “Materials and processes for energy: communicating current research and technological developments”. Editor: A. Méndez-Vilas. Publisher: Formatex Research Center. ISBN (13): 978-84-939843-7-3. Pp: 628-635

**Michael K. Simpson, MS, PE**  
**Sr. Manager – Ground Improvement**

**Education**

Master of Science – Civil Engineering, Auburn University, 2003  
Bachelor of Science – Civil Engineering, Auburn University, 2001

**Summary**

Extensive experience in geotechnical engineering and geotechnical construction.

**Professional Experience**

**2023 to Present**

**Sr. Project Manager – Ground Improvement**  
**Geotek Construction, LLC**  
**Tampa, FL**

**2022 to 2023**

**Sr. Manager – Ground Improvement**  
**Michels Construction, Inc.**  
**Indianapolis, IN**

**Sample projects:**

- **Forensics & Coroners Office, Indianapolis, IN** – Aggregate Piers to reinforce undocumented fills for support of foundations and slabs for a 2-story office building.
- **Blue Oval SK Bldgs. GE2 & TE1-2, Glendale, KY** – Aggregate Piers and Rigid Inclusions to reinforce loose sands and soft silts/clays to provide allowable bearing capacities of 1,000 to 2,500 psf for the support of several mat foundations for a new Ford battery plant facility.

**2014 to 2022**

**Sr. Project Manager**  
**Earth Tech, LLC**  
**Land O' Lakes, Florida**

**Sample projects:**

- **Project Harney, Tampa, FL** - Vibro Replacement to densify and reinforce loose sands to increase the allowable bearing capacity to 6,000 psf for the construction of a 4.5-story Amazon warehouse.
- **Blue Origin TCAT Building, Merritt Island, FL** – Low Mobility Grouted Rigid Inclusions to reinforce loose sands and soft silts to provide allowable bearing capacities of 1,500 to 2,700 psf for the support of mat foundations for a new rocket testing facility.
- **Solana, Mount Pleasant, SC** – Vibro Replacement to densify and reinforce loose sands and soft silts to increase the allowable bearing capacity to 5,000 psf and Earthquake Drains to reduce the potential for liquefaction for a new 5-story senior care facility.

2008 to 2014

**Sr. Project Manager  
Hayward Baker, Inc.  
Tampa, Florida**

**Sample projects:**

- **Red Sox Spring Training Facility, Fort Myers, FL** – Vibro Replacement to densify loose sands and reinforce fine-grained soils to achieve an allowable bearing capacity of 5,000 psf for the construction of a new baseball facility. Tiedown anchors were also installed to provide additional foundation uplift capacity.
- **Jacksonville University (JU) Marine Science Research Building, Jacksonville, FL** - Rigid Inclusions to reinforce soft, organic clays/silts to achieve an allowable bearing capacity of 4,000 psf for the construction of a 2-story educational structure.
- **Cane Island Unit 4, Intercession City, FL** – Vibro Replacement and Compaction Grouting (76,000+ CY) to improve soils beneath the new power unit 4 structures and tanks and to mitigate the potential for future sinkhole development. Tie-down anchors were also installed to provide additional foundation uplift capacity.

2005 to 2008

**Project Manager  
Hayward Baker, Inc.  
Pompano Beach, Florida**

**Sample projects:**

- **West County Energy Center (Units 1 and 2), Loxahatchee, FL** – Vibro Replacement to densify loose sands and reinforce soft silts to provide allowable bearing capacities of 4,000 to 5,000 psf for the support of several mat foundations.
- **City Center, West Palm Beach, FL** – Vibro Compaction to densify loose sands to increase the allowable bearing capacity to 10,000 psf for the construction of a 4 to 8-story city hall/library/museum building and a 4-story parking structure.
- **The Milan, Boca Raton, FL** – Jet Grout to reinforce loose sands and silty sands to increase the allowable bearing capacity to 10,000 psf for the construction of a 6-story parking/office structure.

**2003 to 2005**

**Staff Engineer/Project Manager**  
**QORE, Inc.**  
**Tampa, Florida**

Responsible for development of work scopes, estimates, project management, engineering evaluations and recommendations for geotechnical explorations.

**Registration**

Registered Professional Engineer, State of Florida

**Society  
Membership**

American Society of Civil Engineers (ASCE)

# ZACHRY KILPATRICK

Z.Kilpatrick@yahoo.com

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## Heavy Equipment Operator

### PROFESSIONAL SUMMARY

MR. KILPATRICK is a Heavy Equipment Operator with over 18 years of extensive experience in the remediation and geotechnical construction industry. His experience includes mechanical dredging, earthwork, soil bentonite/ soil cement slurry walls, and impacted soil stabilization. Mr. Kilpatrick is also a skilled operator of excavators, dozers, and other pieces of heavy equipment. Mr. Kilpatrick is directly responsible for implementing the operational aspects of the project and providing oversight to day-to-day activities; including the development and implementation of the field construction methodology, which consists of equipment selection, work sequence, subcontractor management, and over all safety and health procedures and quality controls.

### EDUCATION, TRAINING, & CERTIFICATIONS

- OSHA 10 Hr
- OSHA 30 Hr
- OSHA 40 Hr HAZWOPER
- OSHA 8 Hr HAZWOPER Refresher (Current)
- Front Line Supervisor/Foreman course and assessment

### TECHNICAL EXPERTISE

- Barrier Walls (inclusive of Soil Cement, Soil-Bentonite)
- Soil Classification and Impacted Soil Remediation
  - Jet Grouting
  - Deep Soil Mixing (DSM)
  - Large Scale Mass Earthwork
- Hazardous Material Management & Disposal
- Large Groundwater Control and Dewatering Systems
  - Mechanical Dredging
  - Sediment and Sludge Stabilization
  - Landfill / Waste Disposal

### WORK HISTORY

Remedial Construction Services (RECON)

April 2004-Feb 2019 Full-time 14 years 11 months

Roles: Labor, Quality Control, Heavy Equipment Operator, Foreman, Superintendent

Reason for leaving: Company was moving in a new direction in the industry.

Inquip

March 2019- May 2022 Full-time 3 years 3 months

Roles: Heavy Equipment Operator, Slurry Specialist, Superintendent

Reason for leaving: Inquip was acquired by a larger company.

Odin Construction Solutions

May 2022 to Dec 2022 Full-time

Role: Superintendent

Reason for leaving: Wanted to stop traveling after almost 19 years on the road. More time for wife and kids.

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## EQUIPMENT CERTIFIED AND EXPERIENCED ON

Rough Terrain / Telescopic Boom Forklifts (class 7)  
Excavators ranging from 310-336 CAT sizes  
Mini Excavators  
Dozers up to CAT D6 sizes  
Front-end Wheel Loaders up to CAT 966 sizes  
Articulating Dump Trucks up to CAT 730 sizes  
Water Trucks  
Rollers and Compactors  
Skid Steer / Bobcats  
ATV / Utility Vehicle  
Manlift / Aerial Platforms (type 3 group)  
Pumps. 2"-8" diesel to electric. Camlock, Victaulic, Flange

## EXPERIENCE

### **Kalamazoo River Area 1 - Crown Vantage Side Channel (CVSC) Sediment Dredging - OU5 Allied Paper Superfund Site - Cooper Township, MI**

Mr. Kilpatrick served as the Project Superintendent for the remedial action work that included mechanically dredging the side channel sediments containing non-TSCA Polychlorinated Biphenyls (PCBs). The initial scope of work included installation of 5,256 sf temporary steel sheet pile cofferdam to prevent river flow into and out of the side channel. Impermeable turbidity curtains were installed within the side channel to control re-suspension and migration of sediment during dredging operations. Dredging operations included mechanically dredging approximately 11,058 cy of sediments in the side channel to depths of 5-ft below existing grades utilizing a John Deere 250G long-reach excavator equipped with GPS, working from a floating Poseidon barge platform. The dredged material was then loaded directly or relayed to a sediment transfer box and then loaded into 30-ton Articulating Trucks with modified tailgate to contain the liquified PCB materials for safe transport to the on-site Sediment Processing Area (SPA) for soil stabilization. Additionally, HDPE Mats were installed to maintain the integrity of the on-site haul roads to the SPA. All contact water was contained on-site and treated via a 100-gpm water treatment system and upon receiving acceptable analytical test results, ultimately discharged back into Kalamazoo River. The dewatered sediment material was then homogenously mixed with Portland Cement and Quicklime via excavator bucket mixing until cohesively stabilized. Over 17,167 tons of stabilized sediment material was then loaded into trucks for off-site transportation and disposal at an approved licensed facility. Two different waste disposal facilities were used based on levels of acceptable PFAS constituents. A third party surveying firm confirmed sediment removal met the design excavation limits and grade elevations. Upon survey acceptance, the side channel was then backfilled with 8,000 tons of imported sand using a sand slinger conveying unit until each area reached the final cap lines and grades which was also confirmed by third party survey confirmation. Final site restoration activities included upland, wetland, and bank area restoration activities. This project included oversight and collaboration with USEPA Region V.

### **Exxon Polyethylene Plant, Shear Panel DSM Wall - Corpus Christi, TX**

Mr. Kilpatrick served as the Project Superintendent/ Lead Driller for the installation of a 55 ft deep shear panel installed via Deep Soil Mixing Methods (DSM) to help lock in soils behind sheet pile wall for a global modular off-loading facility (MOF) within the plant.

### **Tesoro Golden Eagle Refinery - Pacheco, CA**

Mr. Kilpatrick served as the Lead Driller/ Heavy Equipment Operator for the installation of interlocking Deep Soil Mixed (DSM) columns, with an average depth of 50 ft, to encapsulate contaminated soils.

DSM was performed utilizing a 10 ft diameter auger, after ringing the perimeter with 5 ft diameter auger to protect the nearby waterway. A special hood was placed over the auger at ground level to vacuum control odors and contaminants from being released airborne.

#### **Cheniere Sabine Pass, LNG Terminal - Cheniere, LA**

Mr. Kilpatrick served as a Heavy Equipment Operator for the installation of a Deep Soil Mixed (DSM) wall that was mixed to an average depth of 35 ft to stabilize soils along water way for future building/development.

#### **River Water Intake Structure Site Development - Vogtle Electric Generating Plant, Units 3 & 4 - Waynesboro, GA**

Mr. Kilpatrick served as a Heavy Equipment Operator for this multi-faceted design-build project that was built immediately adjacent to the Savannah River and certified wetlands. The scope of work included approximately 200,000 cy of soil excavation and backfill, construction of a 1/4-mile access road with guardrail and storm water management features, 21,000 sf sheet pile debris screen, RWI canal dredging, 12-ft tall storm berm with stone and gabion revetment, and cement slurry soil stabilization. The work was performed with union labor under the terms of a Nuclear Power Construction Labor Agreement (NPCLA). Mr. Kilpatrick's design/build responsibilities included additional geotechnical site investigation, slope stability analysis, liquefaction trigger analysis, and excavation dewatering design.

#### **Deep Slurry Wall, MDH Engineering/SNC Lavalin - Rocanville, Saskatchewan, Canada**

Mr. Kilpatrick served as the Project Superintendent for the installation and construction of a 3,833,000 sf soil-bentonite slurry trench ranging in depths from 75 to 166 ft. The scope of work included constructing approximately 10,804 lm or approximately 6.71 miles of soil bentonite slurry wall (1-meter-wide) around a mine. The shallow excavations were performed with 1466 Koehring hydraulic excavators and a CAT 385. The deeper excavations were performed with 855 Liebherr cranes equipped with TEC Baya hydraulic grabs or mechanical clam buckets. The excavation was through glacial till including zones of very stiff clay and sand grading up to boulder size material. The finished slurry wall provided a barrier between the Potash Mine and the existing groundwater aquifers to eliminate brine contamination.

#### **McCarty Road Landfill Slurry Wall - Houston, TX**

Mr. Kilpatrick served as the Technical Quality Control Technician (TQCT) for the installation of a 2,120 lf soil bentonite slurry wall ranging in depths from 60 ft to 80 ft below grade. The barrier wall provided a barrier between the McCarty Road Landfill and Greens Bayou in order to eliminate contaminated ground water migration from the landfill into the bayou.

#### **Former MGP Site - Ground Water Cut Off and Collection Trench - Toledo, OH**

Mr. Kilpatrick served as the Technical Quality Control Technician (TQCT) for the installation of a soil-bentonite slurry wall and ground water collection trench at a former MGP site. The soil-bentonite slurry wall cut off contained petroleum contaminated ground water from entering an adjacent stream. The collection trench was installed up gradient of the slurry wall and collected the ground water. The ground water was then pumped to an on-site treatment facility which was then treated and pumped into the local sanitary sewer system.

#### **Texas State Technical College Campus - Cement Bentonite Slurry Wall - Waco, TX**

Mr. Kilpatrick served as the Technical Quality Control Technician (TQCT) for the construction of a cement-bentonite slurry wall around the JBC Technology building on the Texas State Technical College Campus. The wall was installed to allow groundwater under the building to be dewatered. The

excavation was 1000 ft long to depths of 25 ft and was installed to within 10 ft of the building perimeter.

#### **Oxbow Mine Cell #4, Slurry Wall - Mansfield, LA**

Mr. Kilpatrick served as a Heavy Equipment Operator for the installation of a 8,430 lf slurry wall to extend around the perimeter of a mining cell. The wall was 3-ft wide and keyed into the Wilcox clay/shale. The slurry wall crossed an active 22-inch diameter ExxonMobil crude petroleum pipeline and tied into an existing slurry wall constructed for Cell #3. After the slurry wall was completed, a levee was constructed 10 ft above the existing ground surface to a consistent elevation of 134 ft, with 4H:1V (4 horizontal units to 1 vertical unit) slopes, and a crest of 20 ft wide. A storm water diversion system was constructed that included drainage channels along both the interior and exterior of the slurry wall alignment. Additional supporting scopes of work included construction of access roads and the development of borrow sources to construct the specified facilities.

#### **Site Remediation / Sheet Pile Installation - Hays, KS**

Mr. Kilpatrick served as a Heavy Equipment Operator for the site remediation for arsenic impacted soils. The project included the removal of approximately 12,000 cy of impacted soil using both shallow and deep excavation approaches. Prior to soil excavation activities, an existing 42-inch reinforced concrete storm sewer line was temporarily rerouted off site and replaced with a 48-inch-high density polyethylene pipe at the original location. After excavation activities were completed, a sheet pile wall, approximately 700 ft in length was installed.

#### **STP Phase II Jet Grouting Columns - Bay City, TX**

Mr. Kilpatrick served as the Lead Driller for the installation of 3-ft diameter jet grouting columns (19 vertical and six inclined) at two separate underground drainage pipes located in a sheetpile wall, along a river, to seal off voids present around each of the pipes.

#### **Port of Houston Expansion Project - La Porte, TX**

Mr. Kilpatrick served as the Project Superintendent for the jet grouting operations in between poured columns at waterline, to a depth of 33 ft to prevent erosion.

#### **Cheniere Sabine Pass LNG Terminal, Secant Pile Walls - Cheniere, LA**

Mr. Kilpatrick served as the Project Superintendent for the installation of 2 rig secant pile walls for tank construction to depth of 68 ft. Materials were excavated after pile installation and the floor was poured, including a special perlite concrete layer on top to take extreme temperatures without cracking. Tanks were to be used if LNG needed to dump in emergency.

#### **PSC Environmental Program Phase I & III DSM Columns - Birmingham AL**

Mr. Kilpatrick served as the Batch Plant Operator for the installation of interlocking Deep Soil Mixed (DSM) columns to an average depth of 33 ft to encapsulate ground contaminants around a tank farm adjacent to facility.

#### **Confidential, In Situ Stabilization - Marietta, GA**

Mr. Kilpatrick served as the Batch Plant Operator for the in situ stabilization (ISS) mixing utilizing a drill rig with an 8 ft diameter auger to pump and mix in a ferromagnet slurry to treat affected soils contained to one pocket of site for future construction.

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## Appendix B – Sanctions & Litigation

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GeoTek Construction, LLC has not been subject to any sanctions, litigation, or claims that would impact its ability to perform the work described herein

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## Appendix C – List of Subcontractors

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GeoTek Construction, LLC will self-perform 100% of the work for this project. No subcontractors are anticipated.

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## Appendix D – MBE/WBE/DBE

GeoTek Construction, LLC is not currently certified as a Minority-Owned Business Enterprise (MBE), Women-Owned Business Enterprise (WBE), or Disadvantaged Business Enterprise (DBE).

GeoTek Construction, LLC will self-perform 100% of the work for this project; therefore, no MBE/WBE/DBE participation is anticipated.

## Appendix E – Licenses



Ron DeSantis, Governor

Melanie S. Griffin, Secretary



**STATE OF FLORIDA**  
**DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION**

**CONSTRUCTION INDUSTRY LICENSING BOARD**

THE GENERAL CONTRACTOR HEREIN IS CERTIFIED UNDER THE  
PROVISIONS OF CHAPTER 489, FLORIDA STATUTES

**AKROUCH, GHASSAN**

GEOTEK CONSTRUCTION LLC  
8270 WOODLAND CENTER BLVD  
TAMPA FL 33614

**LICENSE NUMBER: CGC1532199**

**EXPIRATION DATE: AUGUST 31, 2026**

Always verify licenses online at [MyFloridaLicense.com](https://www.MyFloridaLicense.com)

ISSUED: 09/01/2024

Do not alter this document in any form.

This is your license. It is unlawful for anyone other than the licensee to use this document.



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## Appendix F – Certificate of Insurance



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

2/10/2026

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

<b>PRODUCER</b> M.E. Wilson Company, LLC 300 West Platt Street Tampa, FL 33606	<b>CONTACT NAME:</b> Oriana Kasten, CIC <b>PHONE (A/C No. Ext):</b> 813-984-3610 <b>E-MAIL ADDRESS:</b> okasten@mewilson.com	<b>FAX (A/C, No):</b> 813-229-2795
	<b>INSURER(S) AFFORDING COVERAGE</b>	
<b>INSURED</b> Geotek Construction, LLC 8270 Woodland Center Blvd Tampa, FL 33614	<b>INSURER A :</b> Bricktown Specialty Insurance Company	<b>NAIC #</b> 17166
	<b>INSURER B :</b> Auto Owners Insurance Company	18989
	<b>INSURER C :</b> Scottsdale Insurance Co	41297
	<b>INSURER D :</b> American Interstate Ins Co	31895
	<b>INSURER E :</b> Lloyds of London	85202
	<b>INSURER F :</b> XL Specialty Insurance Co	37885

**COVERAGES**

CERTIFICATE NUMBER: 331965

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> <b>COMMERCIAL GENERAL LIABILITY</b> <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			BTSP100058300	02-01-2026	02-01-2027	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 \$
B	<input checked="" type="checkbox"/> <b>AUTOMOBILE LIABILITY</b> <input type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS ONLY			5458288000	02-01-2026	02-01-2027	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ PIP-Basic \$ 10,000
C	<input checked="" type="checkbox"/> <b>UMBRELLA LIAB</b> <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> <b>EXCESS LIAB</b> <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$			CXS4075842	02-01-2026	02-01-2027	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000 \$
D	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N	N/A	AVWCFL3401572025	08-03-2025	08-03-2026	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
E	Professional Liability			AXPCTRL0012626	02-01-2026	02-01-2027	Each Occurrence - Profe 2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

**CERTIFICATE HOLDER****CANCELLATION**

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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## ADDITIONAL REMARKS SCHEDULE

AGENCY M.E. Wilson Company, LLC	NAMED INSURED Geotek Construction, LLC
POLICY NUMBER	EFFECTIVE DATE:
CARRIER	
NAICCODE	

**ADDITIONAL REMARKS**

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,  
 FORM NUMBER: \_\_\_\_\_ FORM TITLE: \_\_\_\_\_

INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER G :		INSURER J :	
INSURER H :		INSURER K :	
INSURER I :		INSURER L :	

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F	TYPE OF INSURANCE	AI	POLICY EFF	Equipment Leased & Rented Per Item	\$ 1,500,000
	Inland Marine (C)	<input type="checkbox"/>	02-01-2026	Equipment Leased & Rented Total	\$ 3,000,000
		WOS	POLICY EXP		\$
	POLICY NUMBER	<input type="checkbox"/>	02-01-2027		\$
	UM00154171MA26A				\$

	TYPE OF INSURANCE	AI	POLICY EFF		\$
		<input type="checkbox"/>			\$
		WOS	POLICY EXP		\$
	POLICY NUMBER	<input type="checkbox"/>			\$
					\$

	TYPE OF INSURANCE	AI	POLICY EFF		\$
		<input type="checkbox"/>			\$
		WOS	POLICY EXP		\$
	POLICY NUMBER	<input type="checkbox"/>			\$
					\$

	TYPE OF INSURANCE	AI	POLICY EFF		\$
		<input type="checkbox"/>			\$
		WOS	POLICY EXP		\$
	POLICY NUMBER	<input type="checkbox"/>			\$
					\$

	TYPE OF INSURANCE	AI	POLICY EFF		\$
		<input type="checkbox"/>			\$
		WOS	POLICY EXP		\$
	POLICY NUMBER	<input type="checkbox"/>			\$
					\$

	TYPE OF INSURANCE	AI	POLICY EFF		\$
		<input type="checkbox"/>			\$
		WOS	POLICY EXP		\$
	POLICY NUMBER	<input type="checkbox"/>			\$
					\$

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## Appendix G – Proof of Bonding Capacity

March 31, 2026

Wharton-Smith, Inc.  
750 Monroe Road,  
Sanford, FL 32771

**Re: Geotek Construction, LLC**  
**Project: Palm Coast WWTF No. 1 Expansion, Palm Coast, FL**

To Whom It May Concern,

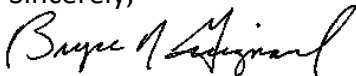
It is a privilege for Guignard Company to be the agency handling the bonding requirements for Geotek Construction, LLC. Bonds have been placed with Swiss Re Corporate Solutions America Insurance Corporation which has a Best's Key Rating of A+, XV, and a Treasury Listing of \$113,786,000 as reported in the August 2025 edition of the Federal Register, Circular 570.

Prudent surety underwriting requires our satisfaction of financial ability, experience, and personnel. Geotek Construction, LLC has our complete confidence in all of these areas.

Although maximum limits have not been established, we would favorably consider single projects in the \$2,000,000 range, with an aggregate program in the area of \$5,000,000. Should you award contracts to Geotek Construction, LLC we would be pleased to provide the required Performance and Payment bonds subject to our normal underwriting requirements at the time any request is made, including, without limitation, prior review and approval of relevant contract documents, bond forms, and confirmation of project financing. Bond rates are on a sliding scale starting at 2.5% and as of today, Geotek Construction, LLC has an available bonding capacity of \$4,000,000.

This letter is not an assumption of liability, nor is it a bid bond or performance bond. It is issued only as a bonding reference from us as requested by our client. Any arrangement for surety credit is a matter between Geotek Construction, LLC and the surety company. If you have further questions or require additional information, please call me at (407) 834-0022 or via email at [bryce@guignardcompany.com](mailto:bryce@guignardcompany.com).

Sincerely,



Bryce Guignard  
Attorney-in-Fact

SWISS RE CORPORATE SOLUTIONS

SWISS RE CORPORATE SOLUTIONS AMERICA INSURANCE CORPORATION ("SRCSAIC")
SWISS RE CORPORATE SOLUTIONS PREMIER INSURANCE CORPORATION ("SRCSPIC")
WESTPORT INSURANCE CORPORATION ("WIC")

GENERAL POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS, THAT SRCSAIC, a corporation duly organized and existing under laws of the State of Missouri, and having its principal office in the City of Kansas City, Missouri, each does hereby make, constitute, and appoint:

BRYCE R. GUIGNARD, APRIL L. LIVELY, JENNIFER L. HINDLEY, MARGIE L. MORRIS, DEBORAH ANN MURRAY, M. GARY FRANCIS, CHRISTINE MORTON, KELLY PHELAN, ALLYSON FOSS WING, DAVID TURCIOS, AMANDA JO HERSTINE, WESLEY MATT ADCOCK and CARSON COSTELLO JOINTLY OR SEVERALLY

Its true and lawful Attorney(s)-in-Fact, to make, execute, seal and deliver, for and on its behalf and as its act and deed, bonds, consents of surety, or other writings obligatory in the nature of a bond on behalf of each of said Companies, as surety, on contracts of suretyship as are or may be required or permitted by law, regulation, contract or otherwise, provided that no bond or undertaking or contract or suretyship executed under this authority shall exceed the amount of:

TWO HUNDRED MILLION (\$200,000,000.00) DOLLARS

This Power of Attorney is granted and is signed by facsimile under and by the authority of the following Resolutions adopted by the Boards of Directors of both SRCSAIC and SRCSPIC at meetings duly called and held on the 18th of November 2021 and WIC by written consent of its Executive Committee dated July 18, 2011:

"RESOLVED, that any two of the President, any Managing Director, any Senior Vice President, any Vice President, the Secretary or any Assistant Secretary be, and each or any of them hereby is, authorized to execute a Power of Attorney qualifying the attorney named in the given Power of Attorney to execute on behalf of the Corporation bonds, undertakings and all contracts of surety, and that each or any of them hereby is authorized to attest to the execution of any such Power of Attorney and to attach therein the seal of the Corporation; and it is

FURTHER RESOLVED, that the signature of such officers and the seal of the Corporation may be affixed to any such Power of Attorney or to any certificate relating thereto by facsimile, and any such Power of Attorney or certificate bearing such facsimile signatures or facsimile seal shall be binding upon the Corporation when so affixed and in the future with regard to any bond, undertaking or contract of surety to which it is attached."



By [Signature] David Satory, Senior Vice President of SRCSAIC & Senior Vice President of SRCSPIC & Senior Vice President of WIC

By [Signature] Gabriel Jacquez, Senior Vice President of SRCSAIC & Senior Vice President of SRCSPIC & Senior Vice President of WIC



IN WITNESS WHEREOF, SRCSAIC have caused their official seals to be hereunto affixed, and these presents to be signed by their authorized officers this 11th day of June, 2025.

State of Illinois
County of Cook



Swiss Re Corporate Solutions America Insurance Corporation
Swiss Re Corporate Solutions Premier Insurance Corporation
Westport Insurance Corporation

On this 11th day of June, 2025, before me, a Notary Public personally appeared David Satory, Senior Vice President of SRCSAIC and Senior Vice President of SRCSPIC and Senior Vice President of WIC, and Gabriel Jacquez, Senior Vice President of SRCSAIC and Senior Vice President of SRCSPIC and Senior Vice President of WIC, personally known to me, who being by me duly sworn, acknowledged that they signed the above Power of Attorney as officers of and acknowledged said instrument to be the voluntary act and deed of their respective companies.



[Signature] Karen M. Szveda, Notary

I, Jeffrey Goldberg, the duly elected Senior Vice President and Assistant Secretary of SRCSAIC and SRCSPIC and WIC do hereby certify that the above and foregoing is a true and correct copy of a Power of Attorney given by said SRCSAIC and SRCSPIC and WIC, which is still in full force and effect.

IN WITNESS WHEREOF, I have set my hand and affixed the seals of the Companies this 31st day of March, 2026.

[Signature] Jeffrey Goldberg, Senior Vice President & Assistant Secretary of SRCSAIC and SRCSPIC and WIC

## SECTION 4 – RISK REGISTER

# WHARTON-SMITH Risk Register



Project: Palm Coast GMP-2 Ground Improvements

Project Phase: GMP

Date: Date

Risk Identification			Risk Assessment				Risk Control Measures	Risk Allocation				Comments / Notes
ID No.	Risk Issue	Risk Type	Status	Potential Cost Impact	Potential Schedule Impact	Probability (0-100%)	Risk Mitigation Strategy	Risk Owner	Weighted Cost Exposure (Prob x PCI)	Cost Offset By Allowance	Cost Offset By Contingency	
<b>General Items</b>												
1	Adverse Weather	Adverse Weather	New	\$9,750	5	100%	Provide for reasonable float in schedule and create emergency response plan.	Owner	\$9,750		\$9,750	\$0
2	Permitting Delays	Permitting	New	\$29,250	15	25%	Engage Agency and Shareholders early in process and promote transparent communication. Obtain all permits prior to mobilization.	Owner	\$7,313		\$7,313	\$0
3	Utility Delays	Other	New	\$9,750	5	25%	Engage Utility Company early in process to assist in finalizing design and expediting procurement.	Owner	\$2,438		\$2,438	\$0
4	Procurement / Delivery Delays	Procurement	New	\$9,750	5	40%	Early procurement on key equipment and materials. Includes submittal approval delays.	Contractor	\$3,900		\$3,900	\$0
5	Construction Delays / Subcontractor Performance	Construction Schedule	New	\$9,750	5	10%	Select qualified subcontractors with adequate resources and engage them in Wharton-Smith's production planning system on a weekly basis.	Contractor	\$975		\$975	\$0
6	Critical Path Delays - Owner Evaluation and Decision Making	Construction Schedule	New	\$9,750	5	10%	Owner representative must be responsible for timely decisions and issuing contract amendments in a timely manner for procurement to be expedited.	Owner	\$975		\$975	\$0
<b>Final Design Items</b>												
7	Unanticipated Design Requirements After GMP	Design	New	\$34,750	5	15%	Limit scope to only those items identified in bid documents.	Owner	\$5,213		\$5,213	\$0
<b>Project Execution Items</b>												
8	Material Escalations	Price Escalation	New	\$5,000	0	100%	Expedite the start of construction, issuance of subcontracts and POs, and early procurement.	Contractor	\$5,000		\$5,000	\$0
9	Existing Structure Protection	Constructability	New	\$11,400	2	100%	Monitor vibration levels during installation and implement protection measures if levels exceed allowable thresholds established in contract documents.	Contractor	\$11,400		\$11,400	\$0
10	Ground Improvement Contractor Standby Time	Construction Schedule	New	\$41,750	5	100%	Ensure all site prerequisites are complete prior to subcontractor mobilization to minimize standby exposure.	Contractor	\$41,750		\$41,750	\$0
11	Unforeseen Subsurface Conditions	Unknown Site Conditions	New	\$119,500	10	100%	Perform Subsurface Utility Exploration where possible to identify and locate existing conditions and conflicts prior to construction.	Owner	\$119,500		\$119,500	\$0
<b>Bid Allowances / Excluded Scope Items</b>												
12	Bid Allowance - Vibration Monitoring	Excluded Scope	New	\$20,000	0	100%	Bid allowance to be carried in GMP.	Owner	\$20,000	\$20,000		\$0
13	Bid Allowance - Independent Testing	Excluded Scope	New	\$35,000	0	100%	Bid allowance to be carried in GMP.	Owner	\$35,000	\$35,000		\$0
14	Bid Allowance - Wharton-Smith Self Perform Assistance/Maintenance	Excluded Scope	New	\$100,000	0	100%	Bid allowance to be carried in GMP.	Owner	\$100,000	\$100,000		\$0
<b>PROJECT TOTALS</b>				<b>\$445,400</b>	<b>62</b>				<b>\$363,213</b>	<b>\$155,000</b>	<b>\$208,213</b>	<b>\$0</b>

## SECTION 5 – CONSTRUCTION SCHEDULE





