

## **TASK ORDER No. 03**

### **CONTINUING PROFESSIONAL SERVICES (Hydrogeological)**

THIS TASK ORDER FOR CONTINUING PROFESSIONAL SERVICES (“Task Order”) is made on the day of December 11, 2025, between the **City of Lake Worth Beach**, a Florida municipal corporation (“City”) and **Stantec Consulting Services, Inc.** a State of Florida, CORPORATION/Limited liability company (“CONSULTANT”).

#### **1.0 Project Description:**

The City desires the CONSULTANT to provide those services as identified herein for the Project. The Project is described in the CONSULTANT’s Proposal, dated November 13, 2025, and services are generally described as: Mechanical Integrity Testing (MIT) of IW-1 (the “Project”).

#### **2.0 Scope**

Under this Task Order, the CONSULTANT will provide the City of Lake Worth Beach with hydrogeological consulting services for the Project as specified in the **CONSULTANT’s proposal attached hereto and incorporated herein as Exhibit “1”**.

#### **3.0 Schedule**

The services to be provided under this Task Order shall be completed within 90 calendar days from the City’s approval of this Task Order or the issuance of a Notice to Proceed.

#### **4.0 Compensation**

This Task Order is issued for a lump sum, not to exceed amount of \$113,660.00. The attached proposal identifies all costs and expenses included in the lump sum, not to exceed amount.

#### **5.0 Project Manager**

The Project Manager for the CONSULTANT is Neil A. Johnson, phone (561) 229-1852; email: neil.johnson@stantec.com; and, the Project Manager for the City is Vaugh Baker, phone: (561) 586-1798; email: vbaker@lakeworthbeachfl.gov.

#### **6.0 Progress Meetings**

The CONSULTANT shall schedule periodic progress review meetings with the City Project Manager as necessary but every 30 days as a minimum.

#### **7.0 Compliance with section 787.06, Florida Statutes.**

By signing this Task Order before a notary public and taking an oath under the penalty of perjury, the CONSULTANT attests and warrants that the CONSULTANT does not use coercion for labor or services as defined in section 787.06, Florida Statutes (2024).

#### **8.0 Authorization**

This Task Order is issued pursuant to the Continuing Professional Services Agreement (Hydrogeological) based on RFQ#23-300 between the City of Lake Worth Beach and the CONSULTANT, dated March 28, 2023 (“Agreement” hereafter). If there are any conflicts between the terms and conditions of this Task Order and the Agreement, the terms and conditions of the Agreement shall prevail.

IN WITNESS WHEREOF, the parties hereto have made and executed this Task Order No. 03 as of the day and year set forth above.

**CITY OF LAKE WORTH BEACH, FLORIDA**

By: \_\_\_\_\_  
Betty Resch, Mayor

ATTEST:

By: \_\_\_\_\_  
Melissa Ann Coyne, MMC, City Clerk

APPROVED AS TO FORM AND  
LEGAL SUFFICIENCY:

APPROVED FOR FINANCIAL  
SUFFICIENCY

By: \_\_\_\_\_  
Glen J. Torcivia, City Attorney

By: \_\_\_\_\_  
Yannick Ngendahayo, Financial Services Director

**CONSULTANT: STANTEC CONSULTING SERVICES, INC.**

By: \_\_\_\_\_  
*[Handwritten Signature]*

[Corporate Seal]

STATE OF Florida )  
COUNTY OF Palm Beach )

THE FOREGOING instrument was acknowledged before me by means of  physical presence or  online notarization on this 8 day of December 2025 by Neil A. Johnson, as the Senior Principal [title] of Stantec corporation authorized to do business in the State of Florida, who is  personally known to me or  who has produced STANTEC CONSULTING SERVICES, INC. as identification, and who did take an oath under penalty of perjury that the facts stated with regard to section 787.06, Florida Statutes, are true and correct, and that he or she is duly authorized to execute the foregoing instrument and bind STANTEC CONSULTING SERVICES, INC., to the same.

Notary Seal:



\_\_\_\_\_  
*Jessica Thompson*  
Notary Public Signature

**EXHIBIT “1”**

**TASK ORDER NO. 03**

**Mechanical Integrity Testing (MIT) of IW-1**

**December 8, 2025**

**INTRODUCTION**

The City of Lake Worth Beach (CITY) entered into a Professional Services Agreement with Stantec Consulting Services, Inc., (CONSULTANT) on March 28, 2023, under RFQ No. 23-300. This agreement is for CONSULTANT to provide CITY with professional hydrogeological services.

**SCOPE**

The CITY is required by Florida Department of Environmental Protection (FDEP) to perform a Mechanical Integrity Test (MIT) by December 8, 2025. The CITY has one Class I Industrial Deep Injection Well (IW-1) with a cement-filled annular space for disposal of non-hazardous concentrate reject water from the membrane softening drinking water facility and settled lime-softening backwash supernate and one associated dual-zone monitor well (DZMW-1) currently under FDEP UIC Permit 0297969-005-UO/1X. The disposal capacity of IW-1 is permitted at 4.176 million gallons per day (MGD). The injection well is constructed with a 10.72-inch nominal inside diameter (ID) fiberglass reinforced pipe (FRP) that is fully cemented inside a 20-inch outside diameter (OD), 0.5-wall thickness final steel casing set to a depth of 2,858 feet bls with an open-hole interval to a depth of 3,303 feet bls. In accordance with Rule 62-528.425(1)(d), F.A.C a MIT must be completed on IW-1 every 5 years.

**SCOPE OF WORK**

In accordance with the Standard Agreement for Professional Services between the CITY and Stantec, the CONSULTANT will provide the CITY with professional services for the following activities:

1. Project Management, Meetings, and QA/QC
2. Mechanical Integrity Testing, Oversight, and Reporting

**Task 1 – Project Management, Meetings and QA/QC**

The CONSULTANT’s Project Manager (PM) will manage the project staff for the project in accordance with CONSULTANT’s standard of practice. The CONSULTANT will also provide administrative services to support project staff. The PM services and responsibilities are listed below.

Project Coordination includes:



1. Provide and coordinate monthly invoicing, inclusive of a monthly status report.
2. Facilitate project meetings throughout the duration of the project.
3. Record notes of formal meetings and, as appropriate, telephone conversations conducted by the CONSULTANT in executing this project. Meeting notes will document discussions during the meeting and resultant action item(s). These and other written correspondence will be transmitted to the CITY's Project Manager via e-mail, with copies to project team members participating in the activity.
4. Facilitate the project "kickoff" meeting. The purpose of this meeting will be to identify and introduce key project personnel, confirm the objectives of this Work Assignment, review the schedule, and discuss planned execution of the project.

Deliverables:

- Monthly progress reports with updated schedule and milestones will be prepared and provided by the CONSULTANT.
- Agenda and meeting minutes for the meetings will be prepared for any meetings conducted by the CONSULTANT. Meeting minutes will be submitted within one week after the meeting and distributed to the meeting attendees.

**Task 2 – Mechanical Integrity Testing, Oversight, and Reporting**

Prepare Specifications for Contractor Quotes

STANTEC will prepare an MIT Plan (Plan) for submittal to and approval by the FDEP. The Plan will be submitted to the FDEP at least 90 days prior to December 8, 2025 (by September 9, 2025).

The Plan will describe the performance of a video survey, hydrostatic pressure test, static temperature survey, and radioactive tracer survey on the CITY's Injection Well IW-1. A draft Plan will be provided to the CITY electronically for review and comment within 30 days issuance of the Notice to Proceed. Following CITY approval, a final Plan will be forwarded to FDEP Southeast District and Tallahassee offices electronically.

Within 30 days following completion of the MIT work, STANTEC will prepare a draft MIT Report summarizing the testing procedures and results for the CITY's review and comment. The report will contain a log summary, viewable USB copy of the video survey, and a summary of the completed pressure test with a testing form signed by the FDEP observer. As part of the MIT report preparation, STANTEC will review the injection system operation data from the past 5 years to include:

- Well IW-1 flows and pressures,
- Well DZMW-1 upper and lower zone pressure,
- Well DZMW-1 upper and lower zone water quality results, and



This data review is for the CITY's benefit to graphically present an assessment of Well IW-1's condition, Well DZMW-1's condition and track potential changes in upper and lower zone water quality information over time.

Following STANTEC's receipt of CITY comments, a final report for the MIT will be completed and electronically transmitted to the CITY and FDEP Southeast District and Tallahassee offices within 90 days of completion of the MIT.

#### Prepare Specifications for Contractor Quotes

STANTEC will prepare outline specifications for the performance of the required MIT and will solicit quotes from three (3) licensed and qualified Florida Well Drilling CONTRACTORS.

STANTEC will include the most current FDEP guidance (available at the time of initiation of the Work) with respect to performance of the MIT and provide an efficient guideline for the proposed work program that minimizes Well IW-1 downtime. Basic tasks in the MIT outline specifications will include: mobilization and set up of equipment and personnel, flushing with clean water, video survey of Well IW-1, suppression of Well IW-1 flow, installation of a packer, conducting a casing pressure test, geophysical logging (including gamma ray, casing collar locator and fluid temperature), radioactive tracer survey, flushing Well IW-1, demobilization of equipment, and return of Well IW-1 to active service. The outline specifications will also include CONTRACTOR experience requirements, rig and tool minimum standards, required certifications and testing equipment, radioactive tracer tool requirements, and construction drawings of Well IW-1 and above ground piping.

STANTEC will assist the CITY in obtaining a minimum of three quotes for the specified work from qualified Florida Well Drilling CONTRACTORS licensed by the State of Florida and acceptable to the FDEP that are in the business of performing MIT services. STANTEC will evaluate the quotes received, along with contractor references and will submit a draft recommendation of award letter to the CITY for review and issuance. If the quotes exceed \$50,000, Stantec will subcontract the performance of the MIT directly with the CONTRACTOR.

#### MIT Services

Following selection of a Contractor, STANTEC will coordinate the MIT work with the selected contractor and CITY staff to minimize the downtime of Well IW-1. The CONTRACTOR will perform and STANTEC will observe and record the following activities in Well IW-1:

- Video Survey through the entire length of Well IW-1 from the surface to the base of the injection zone in compliance with the FDEP-approved MIT Plan.
- A final pressure test in Well IW-1 that will be observed by an FDEP representative.
- Static temperature survey.
- Radioactive tracer survey.



## ASSUMPTIONS

Please note that this Scope of Work is based on the following assumptions:

- The CITY will authorize in writing any activities to be performed under this Task Order prior to CONSULTANT performing the work.
- The City will provide review comments on draft documents submitted within one (1) week.
- All deliverables and submittals will be electronic. No hard copy documents will be prepared as part of this scope.

## Deliverable/Task Schedule

Once a Notice to Proceed (NTP) has been received by the CONSULTANT, the work will be completed over a 3-month period. Completion is contingent on the requirements stated in the FDEP's UIC Class I Rule 62-528.425(1)(d), F.A.C. The CONSULTANT will deliver or complete the below deliverables/ tasks by the duration indicated:

Task	Task Description	Months following NTP*
1.0	Project Management	On-going
2.0	Mechanical Integrity Testing	2 months

## Compensation

Compensation for Tasks 1 and 2 will be performed on a lump sum basis and will be invoiced monthly based on percent complete for individual tasks. The following table shows the fee by task. A detailed fee schedule is provided as **Exhibit 2**.

Task Description	Fee
Task 1 - Project Management, Coordination, and QA/QC	\$6,760.00
Task 2 - Mechanical Integrity Testing	\$106,900.00
<b>TOTAL</b>	<b>\$113,660.00</b>



## EXHIBIT "2" FEE SCHEDULE

### EXHIBIT B - FEE SCHEDULE

City of Lake Worth  
Task Order No. 3  
November 13, 2025

	Technical Expert	Sr. Engineer	Sr. Hydrogeologist	Administrative Support	Labor Hours	Subcontractor	Total	Dollars
<b>IW-1 Mechanical Integrity Testing</b>								
	\$ 275.00	\$ 205.00	\$ 225.00	\$ 105.00				
Task 1   Project Management and Coordination	8			12	20			\$3,460.00
Project Management	12				12			\$3,300.00
QA/QC								
<b>Task 1 Subtotals</b>	<b>20</b>	<b>0</b>	<b>0</b>	<b>12</b>	<b>32</b>			<b>\$6,760.00</b>
<b>Task 2 Mechanical Integrity Testing</b>								
MIT Plan	4		18		22			\$5,150.00
Prepare Specifications for Contractor Quotes	16		40		56			\$13,400.00
MIT Services	4		40		44	\$ 70,500.00		\$80,600.00
Final Report	4	2	24	8	38			\$7,750.00
<b>Task 2 Subtotals</b>	<b>28</b>	<b>2</b>	<b>122</b>	<b>8</b>	<b>160</b>			<b>\$106,900.00</b>
Owner's Allowance								\$0.00
<b>TOTAL HOURS</b>	<b>48</b>	<b>2</b>	<b>122</b>	<b>20</b>	<b>192</b>			
<b>TOTAL FEE</b>	<b>\$5,500.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$1,260.00</b>		<b>\$0.00</b>		<b>\$113,660.00</b>