

CCNA2018 WORK ORDER 09
Well Abandonment and Building Assessment

This Work Order Number 09 is entered into as of this ___ day of _____, 2021, pursuant to that certain Continuing Consulting Engineering Services Agreement for Professional Services entered into as of this 17th day of April, 2018 (collectively referred to as the "Agreement"), by and between INDIAN RIVER COUNTY, a political subdivision of the State of Florida ("COUNTY") and Tetra Tech, Inc. ("Consultant").

The COUNTY has selected the Consultant to perform the professional services set forth on Exhibit A (Scope of Work), attached to this Work Order and made part hereof by this reference. The professional services will be performed by the Consultant for the fee schedule set forth in Exhibit B (Fee Schedule), attached to this Work Order and made a part hereof by this reference. The Consultant will perform the professional services within the timeframe more particularly set forth in Exhibit C (Time Schedule), attached to this Work Order and made a part hereof by this reference all in accordance with the terms and provisions set forth in the Agreement. Pursuant to paragraph 1.4 of the Agreement, nothing contained in any Work Order shall conflict with the terms of the Agreement and the terms of the Agreement shall be deemed to be incorporated in each individual Work Order as if fully set forth herein.

IN WITNESS WHEREOF, the parties hereto have executed this Work Order as of the date first written above.

CONSULTANT:

**BOARD OF COUNTY COMMISSIONERS
OF INDIAN RIVER COUNTY**

By: _____
Matthew Shelton

By: _____
_____, Chairman

Print Name: _____

Title: _____
Project Manager

BCC Approved Date: _____

Attest: Jeffrey R. Smith, Clerk of Court and Comptroller

By: _____
Deputy Clerk

Approved: _____
Jason E. Brown, County Administrator

Approved as to form and legal sufficiency: _____
Dylan T. Reingold, County Attorney



March 17, 2021

Scott Reynolds
Indian River County Department of Utility Services
1801 27th Street,
Vero Beach 32960-3388
Email: sreynolds@ircgov.com

**Subject: Proposal to Indian River County for
Well Abandonment and Building Assessment (removed) Rev1
3775 82nd Avenue, Vero Beach, Florida**

Dear Mr. Reynolds:

Tetra Tech, Inc. (Tetra Tech) is pleased to provide Indian River County Department of Utility Services (IRCDUS) with this Scope of Work for services to provide Well abandonment and additional Site Assessment services for the former Premier Citrus Property, located at 3775 82nd Avenue, Vero Beach, Florida (the Site).

BACKGROUND

Indian River County needs additional storage of reuse water from the West Regional WWTF during the rainy season when the necessity for reuse water is limited. The West Regional WWTF is sized for a treatment capacity of 6 million gallons per day (MGD). The plant is currently operating at approximately 2 MGD but can only discharge approximately 0.4 MGD or exceed the load allocations into the relief canal. The remainder of the treated water is sent back to the community for reuse. The goal of the proposed reclaimed water storage will be to provide sufficient capacity to store water during the wet season and supply reuse water in the dry season and achieve a zero discharge to the relief canal.

Tetra Tech assisted in the due diligence process, and the IRCDUS recently purchased the Site. The county has identified an approximately 250-acre parcel immediately to the south of the West Regional WWTF as a potential site for the reclaimed water storage. It is zoned RS-3 and is a citrus grove. The County contacted Tetra Tech to complete due diligence required to assess this potential project, zoning and permitting issues associated with project, geotechnical conditions, limitations from Federal Aviation Administration (FAA) or other agencies, and other business and environmental risks associated with the purchase of the proposed parcel.

The Phase I Environmental Site Assessment identified the following Recognized environmental conditions (RECs) for the Site:

The potential for soil and groundwater impacts from current and former petroleum and/or pesticide and herbicide ASTs, former underground storage tanks (USTs) storing petroleum and/or pesticides and herbicides, and application of pesticides and herbicides, are potential RECs for the Site. The ASTs have now been removed, and the petroleum issues on the site have been resolved.

Tetra Tech, Inc.

11 Riverside Drive, Suite 204, Cocoa, FL 32922

Tel 321.636.6470 Fax 321.636.6473 www.tetratech.com

Tetra Tech recommended additional investigation for the Site, including investigation of potential asbestos containing material (ACM), lead-based paint (LBP), and mold.

The Site has five artesian wells and one community water system well on Site. Consumptive Use Permits have been received for the Site converting ownership to IRCUDS from the previous owner.

SCOPE OF WORK

Florida Power and Light (FPL) intends to use the fenced in area of the Site as a construction laydown area for work in the vicinity. Tetra Tech has been asked to abandon the public supply well and artesian well inside the fenced area and complete the investigation of the arsenic in the soils within the fenced area.

Task 1 – Mobilization - \$1,322.64

Upon notice to proceed, Tetra Tech will conduct the following activities:

- Update the Health and Safety Plan (HASP); and
- Procure Subcontractors Necessary for Project Completion (Licensed Well Driller, Florida, laboratory, and equipment).

Tetra Tech will update the Site-Specific Health and Safety Plan in accordance with OSHA HAZWOPER requirements outlined in 29 CFP 1910 to include the newly added well abandonment task. This plan update will be prepared by a health and safety professional under the supervision of a Certified Industrial Hygienist.

Technical specifications and subcontract agreement for required subcontracted work will be prepared under this task. These specifications will include, well abandonment, laboratory analysis of soil samples, and equipment.

Tetra Tech will obtain all state and district permits the well abandonment under this task, as needed. This Task will be completed on a fixed fee basis in accordance with the provided assumptions.

Task 2 – Well Abandonment - \$18,078.42

Tetra Tech and the subcontracted Licensed Well Driller will be on site to properly abandon two wells located within the fenced area at the Premier Citrus Site. This includes:

- Abandonment of the 2-inch diameter 75-foot deep commercial supply well
- Abandonment of the 4-inch diameter 735-feet deep artesian agricultural supply well with a casing set at 250 feet deep.
- The well shall be abandoned in accordance with State of Florida requirements.
- If access to the well requires removal of the roofed structure and or shed, means to remove these items will not require a demolition permit, and removal of materials associated with the structures from the site will not be required.
- Restoration of the well pad areas shall be compacted clean sandy fill.

This task will be completed on a fixed fee basis in accordance with the above assumed construction. Additional depths may require additional grout and additional days to complete. The proposal assumes that the wells will be abandoned by a 2-man crew over 3 days. Additional charges may apply for on-site time required beyond 3-days and additional grout required if necessary.

Task 3 – Asbestos and Lead Assessment – (REMOVED)

Task 4 – Supplemental Site Assessment - \$4,325.32

Tetra Tech will provide additional delineation of the arsenic impact found at the Site in the previous investigation under TO 7. Based on the results of this assessment, additional soil and groundwater assessment will be required, and this task will fund the costs of any additional investigation that may exceed the remaining balance in TO 7, as required. The goal of the supplemental assessment will be to vertically and horizontally delineate the soil concentrations in exceedance of the FDEP Residential Direct Exposure Soil Cleanup Criteria and satisfy the FDEP Site Assessment Requirement outlined in F.A.C. 62-780.

This task may include laboratory analysis and laboratory subcontractors, field equipment, travel, field personnel, and reporting. This task will be completed, as needed, on a time and materials basis not to exceed \$4,325.32.

Task 5 – Site Assessment Report - \$4,149.84

A separate Site Assessment Report will also be prepared to provide the details of all findings of the soil delineation, and include the following sections:

- Executive Summary
- Introduction, Scope of Services, and Limitations
- Background
- Geology and Hydrogeology
- Contamination Assessment
- Results and Discussion
- Conclusion and Recommendations
- Figures
- Appendices (i.e., field data sheets, laboratory analytical reports, etc.)

This task will be completed on a fixed fee basis.

PROJECT SCHEDULE

The approximate duration noted for each task is based on our current understanding and best estimates of time required to perform the basic services and may be subject to change upon agreement between Indian River County and Tetra Tech.

Task	Timeline
Notice to Proceed (NTP)	March 17, 2021
Well Abandonment Completed	May 17, 2021
Supplemental Site Assessment activities completed	As needed
Draft Site Assessment Report submitted to IRCDUS	Upon completion of the delineation
Final Site Assessment Report submitted to IRCDUS (assumes 7 calendar day IRCDUS review)	

ASSUMPTIONS

Tetra Tech’s scope of services and project costs were developed with the following assumptions:

- Tetra Tech will review available data provided by Indian River County.
- Surveying services are not included.
- Permitting fees are not included in this proposal.
- The cost proposal does not include any remediation or investigation activities that are not specifically described herein. Additional assessment and remediation may be required.
- A Sunshine State One-Call request for subsurface utility location will be completed. This proposal assumes there are no utilities in the vicinity of the USTs. Any utilities in this area must be identified by IRCDUS. Tetra Tech is not responsible for the damage to subsurface infrastructure that is not identified by IRCDUS prior to Tetra Tech initiating AST Closure or Site Assessment activities.
- “Face-to-face” meetings with regulators are not proposed as part of this work.
- It is assumed that additional restrictions or limitations as a result of COVID-19, weather, or other unforeseen circumstances will not inhibit Tetra Techs level of effort or schedule.
- Tetra Tech assumes that Draft reports will have only minor edits by IRCDUS.
- Tetra Tech assumes IRCDUS will provide ready access to the Site as needed.

PROJECT COST

The estimated costs are based on our current understanding of the project requirements and best estimates of level of effort required to perform the basic services and may be subject to change upon agreement between Indian River County and Tetra Tech. The estimated project costs are shown in the attached Table 1. This project would be provided as lump sum per task not to exceed \$23,550.90, and additional time and materials tasks not to exceed \$4,325.32.

Indian River County will be invoiced each month for services rendered during the previous calendar month based on percent complete. Tetra Tech shall be paid for all invoices within 30 days of an approved submittal.

Tetra Tech looks forward to working with you on this project. We are available to discuss our approach with you in detail at your convenience. Should you have any questions regarding this proposal, please contact me at (321) 636-6470.

Sincerely,



Matthew D. Shelton

Project Manager

Cc: Brian Watson, P.E., Tetra Tech
David Giddens, P.G., Tetra Tech

EXHIBIT B


			Task 1		Task 2		Task 3		Task 4		Task 5		TOTAL	
			Mobilization - Fixed Fee		Well Abandonment - Fixed Fee		Asbestos and Lead Assessment - Fixed Fee (REMOVED)		Supplemental Site Assessment - Time and Materials		Site Assessment Report - Fixed Fee			
			Units	\$	Units	\$	Units	\$	Units	\$	Units	\$		
Tetra Tech, Inc. Labor														
Employee Name	Category	Rate												
Shelton, Matthew	Project Manager	\$168.81	2.0	\$ 337.62	4.0	\$ 675.24	-	\$ -	4.0	\$ 675.24	10.0	\$ 1,688.10	20.0	\$ 3,376.20
Berg, Megan	Engineer IV	\$141.15	1.0	\$ 141.15	20.0	\$ 2,823.00	-	\$ -	-	\$ -	2.0	\$ 282.30	23.0	\$ 3,246.45
Plis, Mykhaylo	GIS Analyst II	\$118.47	2.0	\$ 236.94	-	\$ -	-	\$ -	-	\$ -	8.0	\$ 947.76	10.0	\$ 1,184.70
Keller, Francis	Contract Administrator	\$108.00	1.0	\$ 108.00	1.0	\$ 108.00	-	\$ -	1.0	\$ 108.00	1.0	\$ 108.00	4.0	\$ 432.00
Dave Giddens - OGA	Scientist VI (Geologist)	\$182.67	1.0	\$ 182.67	4.0	\$ 730.68	-	\$ -	4.0	\$ 730.68	4.0	\$ 730.68	13.0	\$ 2,374.71
Melissa Bennett - NUS	Engineer I	\$78.60	-	\$ -	-	\$ -	-	\$ -	24.0	\$ 1,886.40	5.0	\$ 393.00	29.0	\$ 2,279.40
Linda Diano - NUS	Project Administrator	\$81.63	1.0	\$ 81.63	-	\$ -	-	\$ -	-	\$ -	-	\$ -	1.0	\$ 81.63
Tom Dickson - NUS	Scientist V (Health and Safety)	\$149.22	1.0	\$ 149.22	-	\$ -	-	\$ -	-	\$ -	-	\$ -	1.0	\$ 149.22
Andrew Krivan - NUS	Scientist III (Health and Safety)	\$85.41	1.0	\$ 85.41	-	\$ -	-	\$ -	-	\$ -	-	\$ -	1.0	\$ 85.41
Total Labor			10.0	\$1,322.64	29.0	\$4,336.92	-	\$0.00	33.0	\$3,400.32	30.0	\$4,149.84	102.0	\$ 13,209.72
Subcontractor and Equipment														
Subcontractor														
Asbestos and Lead Contractor				\$ -		\$ -		\$ -		\$ -		\$ -		\$ -
Well Driller				\$ -		\$ 12,365.00		\$ -		\$ -		\$ -		\$ 12,365.00
GPS (sub meter accuracy) daily rate				\$ -		\$ -		\$ -		\$ 300.00		\$ -		\$ 300.00
Laboratory (Arsenic)				\$ -		\$ -		\$ -		\$ 350.00		\$ -		\$ 350.00
Fee to Subs	10.0%			\$ -		\$ 1,236.50		\$ -		\$ 65.00		\$ -		\$ 1,301.50
Total Subcontractor				\$ -		\$ 13,601.50		\$ -		\$ 715.00		\$ -		\$ 14,316.50
Tetra Tech, Inc. Travel														
Travel from Cocoa to IRC				\$ -		\$ 140.00		\$ -		\$ 140.00		\$ -		\$ 280.00
G&A to Travel	0.00%			\$ -		\$ -		\$ -		\$ -		\$ -		\$ -
Fee to Travel	0%			\$ -		\$ -		\$ -		\$ -		\$ -		\$ -
Total Travel				\$ -		\$ 140.00		\$ -		\$ 140.00		\$ -		\$ 280.00
Tetra Tech, Inc. ODCs														
Shipping Equipment				\$ -		\$ -		\$ -		\$ 70.00		\$ -		\$ 70.00
G&A to ODCs	0.00%			\$ -		\$ -		\$ -		\$ -		\$ -		\$ -
Fee to ODCs	0%			\$ -		\$ -		\$ -		\$ -		\$ -		\$ -
Total ODCs				\$ -		\$ -		\$ -		\$ 70.00		\$ -		\$ 70.00
Total Tetra Tech, Inc. Expenses (Travel and ODCs)				\$ -		\$ 140.00		\$ -		\$ 210.00		\$ -		\$ 350.00
TOTAL				\$1,322.64		\$18,078.42		\$0.00		\$4,325.32		\$4,149.84		\$27,876.22

Exhibit B
Tetra Tech, Inc.
Indian River County
Professional Services Hourly Rate Fee Schedule
Effective October 1, 2017, through September 30, 2020⁽¹⁾

Position/Titles	Raw Labor Rates		Direct Labor Rate Multiplier	Raw Labor Rates x Multiplier	
	Minimum	Maximum		Minimum	Maximum
Project Management					
Sr Project Manager	\$ 52.00	\$ 80.00	3.0	\$ 156.00	\$ 240.00
Project Manager	\$ 41.00	\$ 68.00	3.0	\$ 123.00	\$ 204.00
Engineers					
Prindpal Engineer	\$ 70.00	\$ 99.00	3.0	\$ 210.00	\$ 297.00
Sr. Engineer	\$ 50.00	\$ 79.00	3.0	\$ 150.00	\$ 237.00
Engineer V	\$ 39.00	\$ 61.00	3.0	\$ 117.00	\$ 183.00
Engineer IV	\$ 32.00	\$ 49.00	3.0	\$ 96.00	\$ 147.00
Engineer III	\$ 26.00	\$ 40.00	3.0	\$ 78.00	\$ 120.00
Engineer II	\$ 24.00	\$ 34.00	3.0	\$ 72.00	\$ 102.00
Engineer I	\$ 22.00	\$ 29.00	3.0	\$ 66.00	\$ 87.00
Engineering Technician	\$ 12.00	\$ 22.00	3.0	\$ 36.00	\$ 66.00
Scientists					
Scientist VI	\$ 45.00	\$ 71.00	3.0	\$ 135.00	\$ 213.00
Scientist V	\$ 31.00	\$ 57.00	3.0	\$ 93.00	\$ 171.00
Scientist IV	\$ 27.00	\$ 38.00	3.0	\$ 81.00	\$ 114.00
Scientist III	\$ 24.00	\$ 30.00	3.0	\$ 72.00	\$ 90.00
Scientist II	\$ 20.00	\$ 26.00	3.0	\$ 60.00	\$ 78.00
Scientist I	\$ 19.00	\$ 23.00	3.0	\$ 57.00	\$ 69.00
Design Professionals					
Sr CAD/Eng Designer II	\$ 39.00	\$ 52.00	3.0	\$ 117.00	\$ 156.00
Sr CAD/Eng Designer I	\$ 26.00	\$ 40.00	3.0	\$ 78.00	\$ 120.00
CAD/Engineering Designer III	\$ 24.00	\$ 33.00	3.0	\$ 72.00	\$ 99.00
CAD/Engineering Designer II	\$ 18.00	\$ 24.00	3.0	\$ 54.00	\$ 72.00
CAD/Engineering Designer I	\$ 16.00	\$ 21.00	3.0	\$ 48.00	\$ 63.00
Surveyors					
Sr Land Surveyor	\$ 41.00	\$ 50.00	3.0	\$ 123.00	\$ 150.00
Land Surveyor	\$ 28.00	\$ 40.00	3.0	\$ 84.00	\$ 120.00
Survey Crew Chief	\$ 24.00	\$ 38.00	3.0	\$ 72.00	\$ 114.00
Survey Tech	\$ 17.00	\$ 30.00	3.0	\$ 51.00	\$ 90.00
Architects					
Architectural Program Mgr	\$ 65.00	\$ 85.00	3.0	\$ 195.00	\$ 255.00
Sr Architect	\$ 55.00	\$ 75.00	3.0	\$ 165.00	\$ 225.00
Architect	\$ 35.00	\$ 55.00	3.0	\$ 105.00	\$ 165.00
Architectural Designer	\$ 17.00	\$ 35.00	3.0	\$ 51.00	\$ 105.00
Construction Professionals					
Construction Project Rep	\$ 22.00	\$ 42.00	3.0	\$ 66.00	\$ 126.00
Construction Manager II	\$ 50.00	\$ 70.00	3.0	\$ 150.00	\$ 210.00
Construction Manager I	\$ 38.00	\$ 54.00	3.0	\$ 114.00	\$ 162.00
Construction Administrator	\$ 23.00	\$ 39.00	3.0	\$ 69.00	\$ 117.00
GIS Analysts					
Sr Analyst	\$ 30.00	\$ 65.00	3.0	\$ 90.00	\$ 195.00
Project Analyst II	\$ 24.00	\$ 40.00	3.0	\$ 72.00	\$ 120.00
Project Analyst I	\$ 18.00	\$ 28.00	3.0	\$ 54.00	\$ 84.00
Project Administration					
Sr Project Administrator	\$ 27.00	\$ 35.00	3.0	\$ 81.00	\$ 105.00
Project Administrator	\$ 15.00	\$ 32.00	3.0	\$ 45.00	\$ 96.00
Project Assistant	\$ 12.00	\$ 22.00	3.0	\$ 36.00	\$ 66.00
Contract Administrator	\$ 25.00	\$ 36.00	3.0	\$ 75.00	\$ 108.00
Subconsultant					
	Cost + 10%				
Reimbursable Expenses					
Engineer's Reimbursable Travel/Mileage	At Cost				
Other Direct Costs	At Cost				

⁽¹⁾These hourly billing rates will remain effective for the initial duration of this Agreement, and may be renegotiated should an additional renewal period be exercised.

EXHIBIT C

PROJECT SCHEDULE

The approximate duration noted for each task is based on our current understanding and best estimates of time required to perform the basic services and may be subject to change upon agreement between Indian River County and Tetra Tech.

Task	Timeline
Notice to Proceed (NTP)	March 17, 2021
Well Abandonment Completed	May 17, 2021
Supplemental Site Assessment activities completed	As needed
Draft Site Assessment Report submitted to IRCDUS	Upon completion of the delineation
Final Site Assessment Report submitted to IRCDUS (assumes 7 calendar day IRCDUS review)	