

City of Tampa Addendum

ADDENDUM 2

DATE: October 9th, 2026

Contract: 26-C-00029 Howard F. Curren AWTP Aquifer Recharge Wells Construction

Bidders on the above referenced project are hereby notified that the following addendum is made to the Contract Documents. BIDS TO BE SUBMITTED SHALL CONFORM THIS NOTICE.

Item 1. Replace CONTRACT ITEMS I-24, II-3, II-37, II-71, II-105, II-22, II-56, II-90, II-124: DRILL PILOT HOLE with the following:

Description: The CONTRACTOR shall furnish all labor, materials, and equipment necessary for drilling and sampling of boreholes by the rotary method, complete, during the drilling activities as specified in Section 02673, Drilling.

Measurement and Payment for DRILL PILOT HOLE: Shall be made at the unit price per foot drilled in accordance with the Bid Proposal. Payment for all sampling and testing activities during drilling, as described in Section 02673, Drilling shall be included in the unit price per foot. Pilot hole footage for each interval shall be measured from the depth reached on the previous pilot hole interval. Redrilling pilot hole through backplugged sections of previously drilled pilot hole intervals shall not be counted in the total pilot hole footage.

Drilling depths and casing depths are estimates only. The actual depths of these items shall be more or less as determined in the field by ENGINEER. Unit costs for these items shall remain the same, regardless of the actual depths or quantities used.

Item 2. Replace Proposal pages P-3 through P-18 with the attached Unit Price Bid Proposal pages 1-14.

The revised proposal adds to Pay Items I-4, II-4, II-38, II-72, II-106, PILOT HOLE REAMING or OPEN HOLE to Depth of: d. 23-inch Diameter Open Hole, 650 to 1,200 feet. (These pages may not meet ADA requirements. For assistance contact ContractAdministration@tampagov.net.)

A courtesy copy of the proposal pages in XL format may be requested from ContractAdministration@tampagov.net. Its final accuracy remains the bidder's responsibility.

All other provisions of the Contract Documents and Specifications not in conflict with this

Addendum shall remain in full force and effect. Questions are to be e-mailed to

ContractAdministration@tampagov.net

Jim Greiner, P.E., Contract Management Supervisor

City of Tampa 26-C-00029 Howard F. Curren AWTP Aquifer Recharge Wells Construction						
PHASE I - Recharge Well RW-1						
Pay Item	Description	Unit	Est. QTY	Unit Cost	Computed Total Price for Item	
I-1.	MOBILIZATION AND DEMOBILIZATION - Mobilize and Demobilize All Equipment to Complete Drilling and Testing Activities	LS	1		\$ -	
I-2.	SET PIT CASING - Set 48-inch Pit Casing	LS	1		\$ -	
I-3.	DRILL PILOT HOLE - Drill Pilot Hole Using Mud Rotary or Reverse-Air Drilling Techniques to Depth of:					
	a. 200 feet (Mud Rotary)	FT	200		\$ -	
	b. 450 feet (Reverse-air)	FT	250		\$ -	
	c. 1,300 feet (Reverse-air)	FT	850		\$ -	
I-4.	PILOT HOLE REAMING or OPEN HOLE to Depth of:					
	a. 47-inch Diameter to 200 feet (Mud Rotary)	FT	200		\$ -	
	b. 41-inch Diameter to 450 feet (Reverse-air)	FT	250		\$ -	
	c. 33-inch Diameter to 650 feet (Reverse-air)	FT	200		\$ -	
	d. 23-inch Diameter Open Hole, 650 to 1,200 feet (Reverse-air)	FT	550		\$ -	
I-5.	GEOPHYSICAL LOGGING - Conduct Geophysical Logs in Accordance with Table 1 of Section 02679					
	a. Pilot Hole to 200 feet	EA	1		\$ -	
	b. Reamed Hole to 200 feet	EA	1		\$ -	
	c. Pilot Hole to 450 feet	EA	1		\$ -	
	d. Reamed Hole to 450 feet	EA	1		\$ -	
	e. Pilot Hole to 1,300 feet	EA	1		\$ -	
	f. Reamed Hole to 650 feet	EA	1		\$ -	
	g. Completed Well to 1,200 feet, including MIT	EA	1		\$ -	
I-6.	FURNISH AND INSTALL CASING:					
	a. 42-inch Dia. Carbon Steel	FT	200		\$ -	
	b. 34-inch Dia. Carbon Steel	FT	450		\$ -	
	c. 24-inch Dia. Carbon Steel	FT	650		\$ -	
I-7.	GROUTING - Cement Casings from Bottom to Land Surface and Pilot Holes					
	a. Neat cement with up to 8% bentonite gel	FT3	7800		\$ -	
	b. Bridge Plug	LS	1		\$ -	

	b. Reamed Hole to 200 feet	EA	1		\$ -	
	c. Pilot Hole to 400 feet	EA	1		\$ -	
	d. Completed Well to 400 feet	EA	1		\$ -	
I-27.	FURNISH AND INSTALL CASING:					
	a. 16-inch Dia. Carbon Steel	FT	200		\$ -	
	a. 8 5/8-inch Dia. FRP	FT	350		\$ -	
I-28.	GROUTING - Cement Casings from Bottom to Land Surface and Pilot Holes					
	a. Neat cement with up to 8% bentonite gel	FT3	1000		\$ -	
I-29.	GRAVEL - Furnish and Emplace Clean Gravel Used to Plug Cavities	YD3	5		\$ -	
I-30.	PACKER TEST SETUP - Furnish, Setup, Operate, and Remove all Equip. Necessary to Run Packer Pumping Test, Complete	EA	2		\$ -	
I-31.	PACKER TESTING PUMPING TIME	HR	24		\$ -	
I-32.	WELL DEVELOPMENT	HR	16		\$ -	
I-33.	WELLHEAD - Complete Wellhead in accordance with the Drawings	LS	1		\$ -	
I-34.	STANDBY TIME	HR	24		\$ -	
I-35.	EXTRA WORK - Furnish Drilling Rig and Crew to Perform Extra Work Not Included in the Specifications When Directed by the ENGINEER	HR	10		\$ -	
I-36.	WATER SAMPLING - Water Sampling in Accordance with Section 02311 for:					
	a. Exhibit 1, List A	EA	5		\$ -	
	b. Exhibit 1, List B	EA	2		\$ -	
	c. Exhibit 1, List C	EA	1		\$ -	
				TOTAL MW-1	\$ -	
PHASE II - Unit Price Bid Schedule (RW-2, RW-3, RW-4, RW-5, MW-2, MW-3, MW-4, MW-5)						
PHASE II Recharge Well RW-2						
Pay Item	Description	Unit	Est. QTY	Unit Cost	Computed Total Price for Item	
II-1.	MOBILIZATION AND DEMOBILIZATION - Mobilize and Demobilize All Equipment to Complete Drilling and Testing Activities	LS	1		\$ -	
II-2.	SET PIT CASING - Set 48-inch Pit Casing	LS	1		\$ -	
II-3.	DRILL PILOT HOLE - Drill Pilot Hole Using Mud Rotary or Reverse-Air Drilling Techniques to Depth of:					
	a. 200 feet (Mud Rotary)	FT	200		\$ -	
	b. 450 feet (Reverse-air)	FT	250		\$ -	

	c. 1,300 feet (Reverse-air)	FT	850		\$	-	
II-4.	PILOT HOLE REAMING or OPEN HOLE to Depth of:						
	a. 47-inch Diameter to 200 feet (Mud Rotary)	FT	200		\$	-	
	b. 41-inch Diameter to 450 feet (Reverse-air)	FT	250		\$	-	
	c. 33-inch Diameter to 650 feet (Reverse-air)	FT	200		\$	-	
	d. 23-inch Diameter Open Hole, 650 to 1,200 feet (Reverse-air)	FT	550		\$	-	
II-5.	GEOPHYSICAL LOGGING - Conduct Geophysical Logs in Accordance with Table 1 of Section 02679						
	a. Pilot Hole to 200 feet	EA	1		\$	-	
	b. Reamed Hole to 200 feet	EA	1		\$	-	
	c. Pilot Hole to 450 feet	EA	1		\$	-	
	d. Reamed Hole to 450 feet	EA	1		\$	-	
	e. Pilot Hole to 1,300 feet	EA	1		\$	-	
	f. Reamed Hole to 650 feet	EA	1		\$	-	
	g. Completed Well to 1,200 feet, including MIT	EA	1		\$	-	
II-6.	FURNISH AND INSTALL CASING:						
	a. 42-inch Dia. Carbon Steel	FT	200		\$	-	
	b. 34-inch Dia. Carbon Steel	FT	450		\$	-	
	c. 24-inch Dia. Carbon Steel	FT	650		\$	-	
II-7.	GROUTING - Cement Casings from Bottom to Land Surface and Pilot Holes						
	a. Neat cement with up to 8% bentonite gel	FT3	7800		\$	-	
	b. Bridge Plug	LS	1		\$	-	
II-8.	GRAVEL - Furnish and Emplace Clean Gravel Used to Plug Cavities	YD3	10		\$	-	
II-9.	PRESSURE TEST CASING - Final Casing Prior to Drilling Out Cement Plug	LS	1		\$	-	
II-10.	CORING - Provide 10-Foot Length, 4-Inch Diameter Cores at Selected Intervals	EA	5		\$	-	
II-11.	PACKER TEST SETUP - Furnish, Setup, Operate, and Remove all Equip. Necessary to Run Packer Pumping Test, Complete	EA	8		\$	-	
II-12.	PACKER TESTING PUMPING TIME	HR	120		\$	-	
II-13.	PUMPING TEST SETUP	LS	1		\$	-	
II-14.	PUMPING TEST PUMPING TIME	HR	4		\$	-	
II-15.	WELL DEVELOPMENT	HR	24		\$	-	
II-16.	WELLHEAD - Complete Wellhead in accordance with the Drawings	LS	1		\$	-	

II-17.	STANDBY TIME	HR	48		\$ -	
II-18.	EXTRA WORK - Furnish Drilling Rig and Crew to Perform Extra Work Not Included in the Specifications When Directed by the ENGINEER	HR	20		\$ -	
II-19.	WATER SAMPLING - Water Sampling in Accordance with Section 02311 for:					
	a. Exhibit 1, List A	EA	12		\$ -	
	b. Exhibit 1, List B	EA	15		\$ -	
	c. Exhibit 1, List C	EA	1		\$ -	
				TOTAL RW-2	\$ -	
PHASE II - Monitor Well MW-2						
Pay Item	Description	Unit	Est. QTY	Unit Cost	Computed Total Price for Item	
II-20.	MOBILIZATION AND DEMOBILIZATION - Mobilize and Demobilize All Equipment to Complete Drilling and Testing Activities	LS	1		\$ -	
II-21.	SET PIT CASING - Set 24-inch Pit Casing	LS	1		\$ -	
II-22.	DRILL PILOT HOLE - Drill Pilot Hole Using Mud Rotary or Reverse-Air Drilling Techniques to Depth of:					
	a. 200 feet (Mud Rotary)	FT	200		\$ -	
	b. 400 feet (Reverse-air, 15-inch diameter)	FT	200		\$ -	
II-23.	PILOT HOLE REAMING or OPEN HOLE to Depth of:					
	a. 23-inch Diameter to 200 feet (Mud Rotary)	FT	150		\$ -	
II-24.	GEOPHYSICAL LOGGING - Conduct Geophysical Logs in Accordance with Table 1 of Section 02679					
	a. Pilot Hole to 200 feet	EA	1		\$ -	
	b. Reamed Hole to 200 feet	EA	1		\$ -	
	c. Pilot Hole to 400 feet	EA	1		\$ -	
	d. Completed Well to 400 feet	EA	1		\$ -	
II-25.	FURNISH AND INSTALL CASING:					
	a. 16-inch Dia. Carbon Steel	FT	200		\$ -	
	a. 8 5/8-inch Dia. FRP	FT	350		\$ -	
II-26.	GROUTING - Cement Casings from Bottom to Land Surface and Pilot Holes					
	a. Neat cement with up to 8% bentonite gel	FT3	1000		\$ -	
II-27.	GRAVEL - Furnish and Emplace Clean Gravel Used to Plug Cavities	YD3	5		\$ -	
II-28.	PACKER TEST SETUP - Furnish, Setup, Operate, and Remove all Equip. Necessary to Run Packer Pumping Test, Complete	EA	2		\$ -	
II-29.	PACKER TESTING PUMPING TIME	HR	24		\$ -	

II-30.	WELL DEVELOPMENT	HR	16		\$ -	
II-31.	WELLHEAD - Complete Wellhead in accordance with the Drawings	LS	1		\$ -	
II-32.	STANDBY TIME	HR	24		\$ -	
II-33.	EXTRA WORK - Furnish Drilling Rig and Crew to Perform Extra Work Not Included in the Specifications When Directed by the ENGINEER	HR	10		\$ -	
II-34.	WATER SAMPLING - Water Sampling in Accordance with Section 02311 for:					
	a. Exhibit 1, List A	EA	5		\$ -	
	b. Exhibit 1, List B	EA	2		\$ -	
	c. Exhibit 1, List C	EA	1		\$ -	
				TOTAL MW-2	\$ -	
PHASE II Recharge Well RW-3						
Pay Item	Description	Unit	Est. QTY	Unit Cost	Computed Total Price for Item	
II-35.	MOBILIZATION AND DEMOBILIZATION - Mobilize and Demobilize All Equipment to Complete Drilling and Testing Activities	LS	1		\$ -	
II-36.	SET PIT CASING - Set 48-inch Pit Casing	LS	1		\$ -	
II-37.	DRILL PILOT HOLE - Drill Pilot Hole Using Mud Rotary or Reverse-Air Drilling Techniques to Depth of:					
	a. 200 feet (Mud Rotary)	FT	200		\$ -	
	b. 450 feet (Reverse-air)	FT	250		\$ -	
	c. 1,300 feet (Reverse-air)	FT	850		\$ -	
II-38.	PILOT HOLE REAMING or OPEN HOLE to Depth of:					
	a. 47-inch Diameter to 200 feet (Mud Rotary)	FT	200		\$ -	
	b. 41-inch Diameter to 450 feet (Reverse-air)	FT	250		\$ -	
	c. 33-inch Diameter to 650 feet (Reverse-air)	FT	200		\$ -	
	d. 23-inch Diameter Open Hole, 650 to 1,200 feet (Reverse-air)	FT	550		\$ -	
II-39.	GEOPHYSICAL LOGGING - Conduct Geophysical Logs in Accordance with Table 1 of Section 02679					
	a. Pilot Hole to 200 feet	EA	1		\$ -	
	b. Reamed Hole to 200 feet	EA	1		\$ -	
	c. Pilot Hole to 450 feet	EA	1		\$ -	
	d. Reamed Hole to 450 feet	EA	1		\$ -	
	e. Pilot Hole to 1,300 feet	EA	1		\$ -	

	f. Reamed Hole to 650 feet	EA	1		\$ -	
	g. Completed Well to 1,200 feet, including MIT	EA	1		\$ -	
II-40.	FURNISH AND INSTALL CASING:					
	a. 42-inch Dia. Carbon Steel	FT	200		\$ -	
	b. 34-inch Dia. Carbon Steel	FT	450		\$ -	
	c. 24-inch Dia. Carbon Steel	FT	650		\$ -	
II-41.	GROUTING - Cement Casings from Bottom to Land Surface and Pilot Holes					
	a. Neat cement with up to 8% bentonite gel	FT3	7800		\$ -	
	b. Bridge Plug	LS	1		\$ -	
II-42.	GRAVEL - Furnish and Emplace Clean Gravel Used to Plug Cavities	YD3	10		\$ -	
II-43.	PRESSURE TEST CASING - Final Casing Prior to Drilling Out Cement Plug	LS	1		\$ -	
II-44.	CORING - Provide 10-Foot Length, 4-Inch Diameter Cores at Selected Intervals	EA	5		\$ -	
II-45.	PACKER TEST SETUP - Furnish, Setup, Operate, and Remove all Equip. Necessary to Run Packer Pumping Test, Complete	EA	8		\$ -	
II-46.	PACKER TESTING PUMPING TIME	HR	120		\$ -	
II-47.	PUMPING TEST SETUP	LS	1		\$ -	
II-48.	PUMPING TEST PUMPING TIME	HR	4		\$ -	
II-49.	WELL DEVELOPMENT	HR	24		\$ -	
II-50.	WELLHEAD - Complete Wellhead in accordance with the Drawings	LS	1		\$ -	
II-51.	STANDBY TIME	HR	48		\$ -	
II-52.	EXTRA WORK - Furnish Drilling Rig and Crew to Perform Extra Work Not Included in the Specifications When Directed by the ENGINEER	HR	20		\$ -	
II-53.	WATER SAMPLING - Water Sampling in Accordance with Section 02311 for:					
	a. Exhibit 1, List A	EA	12		\$ -	
	b. Exhibit 1, List B	EA	15		\$ -	
	c. Exhibit 1, List C	EA	1		\$ -	
				TOTAL RW-3	\$ -	
PHASE II - Monitor Well MW-3						
Pay Item	Description	Unit	Est. QTY	Unit Cost	Computed Total Price for Item	
II-54.	MOBILIZATION AND DEMOBILIZATION - Mobilize and Demobilize All Equipment to Complete Drilling and Testing Activities	LS	1		\$ -	
II-55.	SET PIT CASING - Set 24-inch Pit Casing	LS	1		\$ -	

PHASE II Recharge Well RW-4					
Pay Item	Description	Unit	Est. QTY	Unit Cost	Computed Total Price for Item
II-69.	MOBILIZATION AND DEMOBILIZATION - Mobilize and Demobilize All Equipment to Complete Drilling and Testing Activities	LS	1		\$ -
II-70.	SET PIT CASING - Set 48-inch Pit Casing	LS	1		\$ -
II-71.	DRILL PILOT HOLE - Drill Pilot Hole Using Mud Rotary or Reverse-Air Drilling Techniques to Depth of:				
	a. 200 feet (Mud Rotary)	FT	200		\$ -
	b. 450 feet (Reverse-air)	FT	250		\$ -
	c. 1,300 feet (Reverse-air)	FT	850		\$ -
II-72.	PILOT HOLE REAMING or OPEN HOLE to Depth of:				
	a. 47-inch Diameter to 200 feet (Mud Rotary)	FT	200		\$ -
	b. 41-inch Diameter to 450 feet (Reverse-air)	FT	250		\$ -
	c. 33-inch Diameter to 650 feet (Reverse-air)	FT	200		\$ -
	d. 23-inch Diameter Open Hole, 650 to 1,200 feet (Reverse-air)	FT	550		\$ -
II-73.	GEOPHYSICAL LOGGING - Conduct Geophysical Logs in Accordance with Table 1 of Section 02679				
	a. Pilot Hole to 200 feet	EA	1		\$ -
	b. Reamed Hole to 200 feet	EA	1		\$ -
	c. Pilot Hole to 450 feet	EA	1		\$ -
	d. Reamed Hole to 450 feet	EA	1		\$ -
	e. Pilot Hole to 1,300 feet	EA	1		\$ -
	f. Reamed Hole to 650 feet	EA	1		\$ -
	g. Completed Well to 1,200 feet, including MIT	EA	1		\$ -
II-74.	FURNISH AND INSTALL CASING:				
	a. 42-inch Dia. Carbon Steel	FT	200		\$ -
	b. 34-inch Dia. Carbon Steel	FT	450		\$ -
	c. 24-inch Dia. Carbon Steel	FT	650		\$ -
II-75.	GROUTING - Cement Casings from Bottom to Land Surface and Pilot Holes				
	a. Neat cement with up to 8% bentonite gel	FT3	7800		\$ -
	b. Bridge Plug	LS	1		\$ -
II-76.	GRAVEL - Furnish and Emplace Clean Gravel Used to Plug Cavities	YD3	10		\$ -
II-77.	PRESSURE TEST CASING - Final Casing Prior to Drilling Out Cement Plug	LS	1		\$ -

II-78.	CORING - Provide 10-Foot Length, 4-Inch Diameter Cores at Selected Intervals	EA	5		\$ -	
II-79.	PACKER TEST SETUP - Furnish, Setup, Operate, and Remove all Equip. Necessary to Run Packer Pumping Test, Complete	EA	8		\$ -	
II-80.	PACKER TESTING PUMPING TIME	HR	120		\$ -	
II-81.	PUMPING TEST SETUP	LS	1		\$ -	
II-82.	PUMPING TEST PUMPING TIME	HR	4		\$ -	
II-83.	WELL DEVELOPMENT	HR	24		\$ -	
II-84.	WELLHEAD - Complete Wellhead in accordance with the Drawings	LS	1		\$ -	
II-85.	STANDBY TIME	HR	48		\$ -	
II-86.	EXTRA WORK - Furnish Drilling Rig and Crew to Perform Extra Work Not Included in the Specifications When Directed by the ENGINEER	HR	20		\$ -	
II-87.	WATER SAMPLING - Water Sampling in Accordance with Section 02311 for:					
	a. Exhibit 1, List A	EA	12		\$ -	
	b. Exhibit 1, List B	EA	15		\$ -	
	c. Exhibit 1, List C	EA	1		\$ -	
				TOTAL RW-4	\$ -	
PHASE II - Monitor Well MW-4						
Pay Item	Description	Unit	Est. QTY	Unit Cost	Computed Total Price for Item	
II-88.	MOBILIZATION AND DEMOBILIZATION - Mobilize and Demobilize All Equipment to Complete Drilling and Testing Activities	LS	1		\$ -	
II-89.	SET PIT CASING - Set 24-inch Pit Casing	LS	1		\$ -	
II-90.	DRILL PILOT HOLE - Drill Pilot Hole Using Mud Rotary or Reverse-Air Drilling Techniques to Depth of:					
	a. 200 feet (Mud Rotary)	FT	200		\$ -	
	b. 400 feet (Reverse-air, 15-inch diameter)	FT	200		\$ -	
II-91.	PILOT HOLE REAMING or OPEN HOLE to Depth of:					
	a. 23-inch Diameter to 200 feet (Mud Rotary)	FT	150		\$ -	
II-92.	GEOPHYSICAL LOGGING - Conduct Geophysical Logs in Accordance with Table 1 of Section 02679					
	a. Pilot Hole to 200 feet	EA	1		\$ -	
	b. Reamed Hole to 200 feet	EA	1		\$ -	
	c. Pilot Hole to 400 feet	EA	1		\$ -	
	d. Completed Well to 400 feet	EA	1		\$ -	
II-93.	FURNISH AND INSTALL CASING:					

	a. 16-inch Dia. Carbon Steel	FT	200		\$	-	
	a. 8 5/8-inch Dia. FRP	FT	350		\$	-	
II-94.	GROUTING - Cement Casings from Bottom to Land Surface and Pilot Holes						
	a. Neat cement with up to 8% bentonite gel	FT3	1000		\$	-	
II-95.	GRAVEL - Furnish and Emplace Clean Gravel Used to Plug Cavities	YD3	5		\$	-	
II-96.	PACKER TEST SETUP - Furnish, Setup, Operate, and Remove all Equip. Necessary to Run Packer Pumping Test, Complete	EA	2		\$	-	
II-97.	PACKER TESTING PUMPING TIME	HR	24		\$	-	
II-98.	WELL DEVELOPMENT	HR	16		\$	-	
II-99.	WELLHEAD - Complete Wellhead in accordance with the Drawings	LS	1		\$	-	
II-100.	STANDBY TIME	HR	24		\$	-	
II-101.	EXTRA WORK - Furnish Drilling Rig and Crew to Perform Extra Work Not Included in the Specifications When Directed by the ENGINEER	HR	10		\$	-	
II-102.	WATER SAMPLING - Water Sampling in Accordance with Section 02311 for:						
	a. Exhibit 1, List A	EA	5		\$	-	
	b. Exhibit 1, List B	EA	2		\$	-	
	c. Exhibit 1, List C	EA	1		\$	-	
					TOTAL MW-4	\$	-
PHASE II Recharge Well RW-5							
Pay Item	Description	Unit	Est. QTY	Unit Cost	Computed Total Price for Item		
II-103.	MOBILIZATION AND DEMOBILIZATION - Mobilize and Demobilize All Equipment to Complete Drilling and Testing Activities	LS	1		\$	-	
II-104.	SET PIT CASING - Set 48-inch Pit Casing	LS	1		\$	-	
II-105.	DRILL PILOT HOLE - Drill Pilot Hole Using Mud Rotary or Reverse-Air Drilling Techniques to Depth of:						
	a. 200 feet (Mud Rotary)	FT	200		\$	-	
	b. 450 feet (Reverse-air)	FT	250		\$	-	
	c. 1,300 feet (Reverse-air)	FT	850		\$	-	
II-106.	PILOT HOLE REAMING or OPEN HOLE to Depth of:						
	a. 47-inch Diameter to 200 feet (Mud Rotary)	FT	200		\$	-	
	b. 41-inch Diameter to 450 feet (Reverse-air)	FT	250		\$	-	
	c. 33-inch Diameter to 650 feet (Reverse-air)	FT	200		\$	-	

	d. 23-inch Diameter Open Hole, 650 to 1,200 feet (Reverse-air)	FT	550		\$	-	
II-107.	GEOPHYSICAL LOGGING - Conduct Geophysical Logs in Accordance with Table 1 of Section 02679						
	a. Pilot Hole to 200 feet	EA	1		\$	-	
	b. Reamed Hole to 200 feet	EA	1		\$	-	
	c. Pilot Hole to 450 feet	EA	1		\$	-	
	d. Reamed Hole to 450 feet	EA	1		\$	-	
	e. Pilot Hole to 1,300 feet	EA	1		\$	-	
	f. Reamed Hole to 650 feet	EA	1		\$	-	
	g. Completed Well to 1,200 feet, including MIT	EA	1		\$	-	
II-108.	FURNISH AND INSTALL CASING:						
	a. 42-inch Dia. Carbon Steel	FT	200		\$	-	
	b. 34-inch Dia. Carbon Steel	FT	450		\$	-	
	c. 24-inch Dia. Carbon Steel	FT	650		\$	-	
II-109.	GROUTING - Cement Casings from Bottom to Land Surface and Pilot Holes						
	a. Neat cement with up to 8% bentonite gel	FT3	7800		\$	-	
	b. Bridge Plug	LS	1		\$	-	
II-110.	GRAVEL - Furnish and Emplace Clean Gravel Used to Plug Cavities	YD3	10		\$	-	
II-111.	PRESSURE TEST CASING - Final Casing Prior to Drilling Out Cement Plug	LS	1		\$	-	
II-112.	CORING - Provide 10-Foot Length, 4-Inch Diameter Cores at Selected Intervals	EA	5		\$	-	
II-113.	PACKER TEST SETUP - Furnish, Setup, Operate, and Remove all Equip. Necessary to Run Packer Pumping Test, Complete	EA	8		\$	-	
II-114.	PACKER TESTING PUMPING TIME	HR	120		\$	-	
II-115.	PUMPING TEST SETUP	LS	1		\$	-	
II-116.	PUMPING TEST PUMPING TIME	HR	4		\$	-	
II-117.	WELL DEVELOPMENT	HR	24		\$	-	
II-118.	WELLHEAD - Complete Wellhead in accordance with the Drawings	LS	1		\$	-	
II-119.	STANDBY TIME	HR	48		\$	-	
II-120.	EXTRA WORK - Furnish Drilling Rig and Crew to Perform Extra Work Not Included in the Specifications When Directed by the ENGINEER	HR	20		\$	-	
II-121.	WATER SAMPLING - Water Sampling in Accordance with Section 02311 for:						
	a. Exhibit 1, List A	EA	12		\$	-	
	b. Exhibit 1, List B	EA	15		\$	-	

	c. Exhibit 1, List C	EA	1		\$ -	
				TOTAL RW-5	\$ -	
PHASE II - Monitor Well MW-5						
Pay Item	Description	Unit	Est. QTY	Unit Cost	Computed Total Price for Item	
II-122.	MOBILIZATION AND DEMOBILIZATION - Mobilize and Demobilize All Equipment to Complete Drilling and Testing Activities	LS	1		\$ -	
II-123.	SET PIT CASING - Set 24-inch Pit Casing	LS	1		\$ -	
II-124.	DRILL PILOT HOLE - Drill Pilot Hole Using Mud Rotary or Reverse-Air Drilling Techniques to Depth of:					
	a. 200 feet (Mud Rotary)	FT	200		\$ -	
	b. 400 feet (Reverse-air, 15-inch diameter)	FT	200		\$ -	
II-125.	PILOT HOLE REAMING or OPEN HOLE to Depth of:					
	a. 23-inch Diameter to 200 feet (Mud Rotary)	FT	150		\$ -	
II-126.	GEOPHYSICAL LOGGING - Conduct Geophysical Logs in Accordance with Table 1 of Section 02679					
	a. Pilot Hole to 200 feet	EA	1		\$ -	
	b. Reamed Hole to 200 feet	EA	1		\$ -	
	c. Pilot Hole to 400 feet	EA	1		\$ -	
	d. Completed Well to 400 feet	EA	1		\$ -	
II-127.	FURNISH AND INSTALL CASING:					
	a. 16-inch Dia. Carbon Steel	FT	200		\$ -	
	a. 8 5/8-inch Dia. FRP	FT	350		\$ -	
II-128.	GROUTING - Cement Casings from Bottom to Land Surface and Pilot Holes					
	a. Neat cement with up to 8% bentonite gel	FT3	1000		\$ -	
II-129.	GRAVEL - Furnish and Emplace Clean Gravel Used to Plug Cavities	YD3	5		\$ -	
II-130.	PACKER TEST SETUP - Furnish, Setup, Operate, and Remove all Equip. Necessary to Run Packer Pumping Test, Complete	EA	2		\$ -	
II-131.	PACKER TESTING PUMPING TIME	HR	24		\$ -	
II-132.	WELL DEVELOPMENT	HR	16		\$ -	
II-133.	WELLHEAD - Complete Wellhead in accordance with the Drawings	LS	1		\$ -	
II-134.	STANDBY TIME	HR	24		\$ -	
II-135.	EXTRA WORK - Furnish Drilling Rig and Crew to Perform Extra Work Not Included in the Specifications When Directed by the ENGINEER	HR	10		\$ -	
II-136.	WATER SAMPLING - Water Sampling in Accordance with Section 02311 for:					

	a. Exhibit 1, List A	EA	5		\$ -	
	b. Exhibit 1, List B	EA	2		\$ -	
	c. Exhibit 1, List C	EA	1		\$ -	
				TOTAL MW-5	\$ -	
PHASE III - WELL ACIDIZATION (all Recharge Wells)						
Pay Item	Description	Unit	Est. QTY	Unit Cost	Computed Total Price for Item	
III-1.	ACIDIZATION SET UP - If Required, Mobilize all Equip. Necessary to Acidize Recharge Well	EA	5		\$ -	
III-2.	FURNISH AND EMPLACE ACID -Furnish and Emplace 32% Inhibited HCL Acid	1000 GAL	50		\$ -	
				Well Acidization (5 wells)	\$ -	
Total PHASE I – RW-1 and MW-1					\$ -	
Total PHASE II – RW-2, RW-3, RW-4, RW-5, MW-2, MW-3, MW-4, MW-5					\$ -	
Total PHASE III [Add Alternate] – Well Acidization RW-1, RW-2, RW-3, RW-4, RW-5					\$ -	
Contingency					\$ 250,000	
Total Bid - Sum of PHASE I, PHASE II, AND CONTINGENCY					\$	