

**SUPPLEMENTAL WORK AUTHORIZATION NO. 3  
TO WORK AUTHORIZATION NO. 1  
PROJECT: Ronald Reagan Segment D2**

This Supplemental Work Authorization No. 3 is made pursuant to the terms and conditions of the Williamson County Contract for Engineering Services, being dated 03/19/2024 and entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and American Structurepoint, Inc. (the "Engineer").

WHEREAS, the County and the Engineer executed Work Authorization No. 1 dated effective March 22, 2024 (the "Work Authorization");

WHEREAS, pursuant to Article 14 of the Contract, amendments, changes and modifications to a fully executed Work Authorization shall be made in the form of a Supplemental Work Authorization; and

WHEREAS, it has become necessary to amend, change and modify the Work Authorization.

**AGREEMENT**

NOW, THEREFORE, premises considered, the County and the Engineer agree that the Work Authorization shall be amended, changed and modified as follows:

- I. The Services to be provided by the Engineer that were set out in the original Attachment "B" of the Work Authorization. Additional Services to be provided for this Supplemental Work Authorization are shown in Attachment B-3.
- II. The Work Authorization shall terminate on 05/31/2026. The Services to be provided by the Engineer shall be fully completed on or before said date unless extended by an additional Supplemental Work Authorization. The revised Work Schedule is attached hereto as Attachment "C-3."
- III. The maximum amount payable for services under the Work Authorization is increased from \$2,678,944.09 to \$2,873,447.89 reflecting a total increase of \$194,503.80 as shown Attachment "D-3" of the Supplemental Work Authorization.

Except as otherwise amended by prior Supplemental Work Authorizations, all other terms of the Work Authorization are unchanged and will remain in full force and effect:



**ATTACHMENT B-3  
SERVICES TO BE PROVIDED BY THE ENGINEER FOR  
RONALD REAGAN BOULEVARD (SEGMENT D2)  
CR 245 TO SH 195**

**PROJECT DESCRIPTION**

**Project Limits**

The project limits are from East of CR 245 to SH 195 Stub-out approximately (from Station 1980+00 to Station 2145+00, of the Ultimate Ronald Reagan Schematic), a length of 3.12 miles. [WA project limits were East of CR 245 to Sun City Blvd (from Station 1980+00 to Station 2092+00) for a project length of 2.12 miles.]

**Proposed Facility**

The proposed facility is a new 2 lane road with 12' lanes, shoulders, turn lanes and intersection improvements that will serve as the westbound frontage road of the Ultimate Ronald Reagan Blvd Controlled Access Roadway. On the west end, the project will tie into the proposed westbound Ronald Reagan Blvd. Segment D1 designed by others east of CR 245. On the east end, the project will tie to the existing stub out, just west of SH 195. The existing Ronald Reagan Blvd roadway will be overlaid and restriped to serve as two eastbound lanes with shoulders for the same limits listed above. The project will include turn lanes at Silver Spur Blvd west, Silver Spur Blvd east, Ridgetop Vista Dr and Sun City Blvd. It is anticipated that the bridge class culvert at Jennings Branch shown in the schematic will be redesigned to a bridge. The main project plan set will consist of plans tying back to the existing roadway just east of the new Berry Creek Bridge. Optional Additional sheets will be included that extends the project all the way to the SH 195 stub-out. Design will be done for the entire length of project, but the submitted plans will only go beyond the Berry Creek Bridge. The additional length of the project will be included as an optional additional in the plans, should the County have enough funding for the entire length of roadway. The facility will include one new signal at Sun City Blvd and Ronald Reagan. New flashing beacon signals will be added at Silver Spur West, Silvert Spur East, and Above & Beyond Way.

**1. PROJECT MANAGEMENT**

No change to original WA, SWA1, or SWA2

**2. PUBLIC INVOLVEMENT**

No change to original WA, SWA1, or SWA2

**3. UTILITY COORDINATION SUPPORT**

No change to original WA, SWA1, or SWA2

**4. SURVEYING**

No change to original WA, SWA1, or SWA2

5. DRAINAGE STUDY

No change to original WA, SWA1, or SWA2

6. ENVIRONMENTAL SERVICES

The Engineer will perform a Phase II analysis of the Cattle Dipping Vat just west of Berry Creek near the north side of Sun City Blvd. It is noted that environmental investigation was done during the schematics, however there is no documentation showing whether there was contamination found or not. This work will confirm if there is a potential of contamination and, if that potential is confirmed, will include recommendations on mitigation. These tasks will include:

a. Task 1 – Surface Soil Testing and Testing of the Spring

- The engineer will collect twenty (20) surface soil samples in the immediate vicinity of the former cattle dipping vat. The surface soil samples will be collected from approximately 0 to 6 inches below the surface. Each surface soil sample will be tested for total arsenic and pH.
- The results of the testing will be compared to the Protective Concentration Levels (PCLS) recognized by the Texas Commission on Environmental Quality (TCEQ). If arsenic is present in the soils at levels above the PCLs or naturally occurring background levels, secondary SPLP testing will be conducted.
- A natural spring is located in the immediate vicinity of the vat. A water sample will be collected from the spring. That water sample will also be tested for arsenic.

b. Task 2 – Additional Surface Soil Samples

- If the initial surface soil sampling indicates arsenic concentrations above the Human Health PCL, additional soil samples will be required to horizontally delineate the extent of the contamination. If this task is necessary, a maximum of 10 additional soil samples will be collected. The additional samples will also be collected from a depth of 0 to 6 inches below the surface and analyzed for total arsenic.

c. Task 3 – Well Installation and Groundwater Testing

- A groundwater monitoring well will be installed near the cattle dipping vat. Prior to drilling the monitoring well, STC will contact utility companies concerning potential underground utility locations on the property. If necessary, the well location will be altered to avoid utility damage.
- The well will be drilled to a maximum depth of 50 feet below surface. During drilling, four (4) soil samples will be tested for total arsenic. Those samples will be collected at various depths and will define the vertical extent of arsenic in soil and rock
- The well will be constructed with 2-inch diameter PVC casing. If groundwater is present, a sample of water from the well will be collected and analyzed for the following constituents.
  - Total Arsenic
  - Total Dissolved Solids (TDS)

d. Task 4 –Summary Report

- After receiving the test results, the Engineer will prepare a brief summary report. This summary report will indicate whether contaminants were found in concentrations that exceed certain action levels recognized by the Texas Commission on Environmental Quality (TCEQ).
- This report will include the following:
  - A site plan, drawn to scale, which shows the locations of borings and other pertinent site features.
  - The certified laboratory reports.
  - Boring logs, well details, and the Driller's report.
  - A narrative discussion of the work performed.
  - A review of the test results in relation to the Action Levels of the Texas Commission on Environmental Quality (TCEQ).
  - A determination whether arsenic in soil has been horizontally defined and whether testing on property

located outside the right-of-way will be required to satisfy TCEQ regulation.

- The likely volume of arsenic contaminated soils and preliminary cost estimates for removing all affected soils and not implementing a physical control.

e. Task 5 – Off Site Sampling (If required)

- If necessary, the Engineer will conduct off-site sampling on property not owned or controlled by Williamson County. This will only be conducted after receiving land owner approval. We estimate this task could involve the collection of 10 additional surface samples.

f. Task 6 – Preparation of the Affected Property Assessment Report (APAR)

- Once the horizontal extent of arsenic in soil is defined, the Engineer will then prepare an Affected Property Assessment Report for submittal to the TCEQ. The preparation of an APAR includes the following items:
  - A survey of all receptors within 500 feet of the site (streams, springs, ponds, and utilities).
  - A survey of all water wells located within ½ mile of the site
  - A review of regional and local geology
  - Plotting of all sampling locations and contaminant levels on scaled drawings
  - Scaled cross sections
  - A review of ecological receptors (flora and fauna)
  - Calculation of Tier 2 Model which predicts the depth that pollutants in soil can migrate vertically and affect any underlying groundwater table.
- The Engineer anticipates the APAR will indicate the following conditions exist at the site.

- The spring or groundwater are not affected
  - The arsenic in soil is adequately defined, both horizontally and vertically
  - The implementation of a physical control is a feasible remedy for this site
  - Once the APAR is completed, it will be submitted to the GEC office for review, approval, and signature. Once approved by the GEC, the APAR will then be sent to the TCEQ Central Offices in Austin, Texas.
- g. Task 7 – Preparation of the Response Action Plan (RAP)
- After the TCEQ has approved the APAR, the Engineer will then prepare a Response Action Plan (RAP) The RAP will provide details regarding the physical control. We anticipate the RAP will contain the following items:
    - The location of the proposed roadway in relation to contaminated soil area
    - The location of additional impervious surfaces that will cover the affected soil area (if necessary).
    - Specifications of the impervious surfaces (e.g. pavement thickness, base material)
- h. Task 8 – Construction of the Highway and Physical Control
- Once the RAP is approved, the proposed construction of the highway will commence. If requested, the Engineer will oversee and assist with construction of the highway and physical control. We anticipate the services we might provide during this task may include the following
    - Specifications for HAZWOPER trained contractors to prepare an adequate grade in the affected soil area.
    - Air testing to demonstrate construction workers are not being exposed to high levels of arsenic dusts
- i. Task 9 – Preparation of the Response Action Completion Report (RACR)

- After the RAP has been approved by the TCEQ, the Engineer will prepare a RACR for submittal to the TCEQ. The RACR will also contain the draft of a proposed Deed Notice
- j. Task 10 – Filing of the Deed Notice
- Once the TCEQ approves the RACR, the Deed Notice or Restrictive Covenant will be filed in the Williamson County Deed Records.
- k. Task 11 – Final TCEQ Approval
- Once the Deed Notice is filed, the TCEQ will provide a letter or Certificate of Completion. Receipt of that letter of Certificate will mark the formal project completion of all work by STC .
- l. Task 12 – Annual Reporting
- Williamson Country will be required to provide annual or semiannual reports to the TCEQ. Those reports must demonstrate the physical control has been maintained and not disturbed
- m. The following clarifications are documented for this work.
- Prior to drilling, the engineer will check for utilities by contacting utility companies. However, please note that utilities on private property are often not known and will not be located by the utility company. The GEC is to provide the Engineer with any known location of utilities prior to the start of work. The Engineer will not be responsible for repair of damaged utilities that are not marked or identified prior to drilling.
  - If you elect to use the Voluntary Cleanup Program for TCEQ oversight, then additional fees for VCP personnel will be required.
  - It is assumed that groundwater is not affected.
  - The proposed scope assumes on-site disposal of all soil cuttings generated by the installation of the well.
  - As noted in Task 8, HAZWOPER trained contractors could be used for certain construction tasks. The contractor cost is not included in this scope or fee.

The Engineer will conduct an additional site visit to excavate two sensitive karst features within the Ronald Reagan D2 ROW to evaluate the habitat potential for karst invertebrate species. Cost includes one day of backhoe excavation using a subcontracted backhoe operator. The Geologic Assessment will be updated to include any changes. Prior to excavation of sensitive features using heavy equipment within the Edwards Aquifer Recharge Zone (EARZ), a request must be submitted and approved by TCEQ. SWCA will prepare the request, including a description of proposed activities and a figure showing feature locations.

Excavation will cease upon encountering: (1) a cave; (2) solid bedrock with no conduits; (3) packed clay with no airflow present; (4) potential archaeological or paleontological materials; or (5) where continued excavation would be dangerous (e.g., a large overhanging rock or high levels of carbon dioxide).

If the features exhibit evidence of karst invertebrate habitat, then a species presence/absence survey may be required. This scope of work does not include presence/absence surveys. Results of the karst invertebrate habitat assessment must be reported to the USFWS within five days of the assessment.

SWCA will facilitate the performance of a Phase II Environmental Site Assessment utilizing a subconsultant to assess hazardous materials concerns associated with the cattle dipping vat identified within the Ronald Reagan D2 project limits. SWCA will coordinate the execution of the Phase II Environmental Site Assessment and communication/meetings between the subconsultant and engineer.

## 7. GEOTECHNICAL SERVICES

No change to original WA, SWA1, or SWA2

## 8. PLAN PREPARATION

### a. ROADWAY:

- Add left turn lanes and median crossings at new intersections including:
  1. Silver Spur West
  2. Above & Beyond Way
  3. Gravel pit on east end of project
- Add intersections / median crossovers at new locations listed above.
- Modify ditches / cross sections to accommodate added turn lanes
- Coordinate design of driveways for Somerset developments

### b. TRAFFIC:

- Prepare traffic signal plan sheets for new flashing beacons at Silver Spur West, Silver Spur East, and Above & Beyond Way. Plan sheets will include: existing traffic control that will remain, flashing beacon installation details, additional traffic controls, elevation sheets, conduit, controller and wiring design, flashing operation, power source location, and quantities.
- Utilize TxDOT standard detail sheets for construction details including poles, detectors, pull box, conduit layout, and controller foundation. Utilize TxDOT specifications and provisions required for traffic signals.
- Coordinate with GEC in identifying power sources.

c. **DELIVERABLES:**

- 100% PS&E submittal; per 100%/Final Plan Submittal Checklist
- Final PS&E submittal; per 100%/Final Plan Submittal Checklist

9. **PERMITS**

No change to original WA, SWA1, or SWA2

10. **BIDDING PHASE SERVICES**

No change to original WA, SWA1, or SWA2

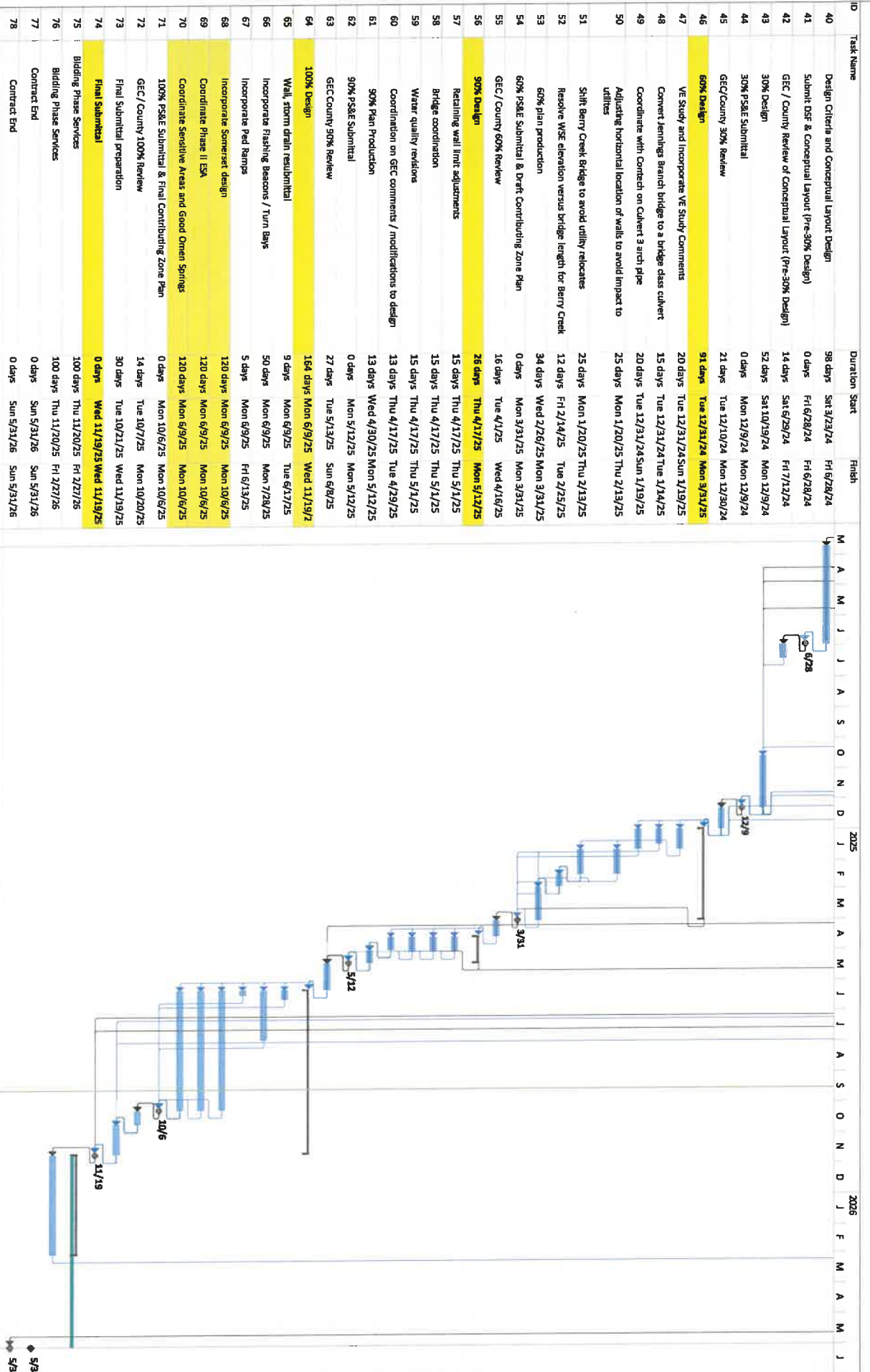
11. **EXCLUSIONS**

- Traffic signal warrant study for proposed flashing beacons.
- Full traffic signal design
- Corridor lighting / illumination design

12. **ASSUMPTIONS**

No change to original WA, SWA1, or SWA2





Task Legend:

- Project Summary
- External Milestone
- Inactive Milestone
- Manual Summary Rollup
- Manual Summary Start
- Manual Summary Progress
- Manual Summary Finish
- External Milestone
- Inactive Task
- Manual Task
- Manual Progress
- Manual Progress
- Inactive Task
- Manual Task
- Manual Progress
- Manual Progress

ATTACHMENT D-3: PRE SCHEDULE  
 WILLIAMSON COUNTY  
 Round Mason Segment IZ - SWAS to WAI

Task	American Structures, Inc.	SAH	SWCA	STC Environmental	Total Labor
1. Project Management and Coordination	\$0.00				\$0.00
2. Public Involvement	\$0.00				\$0.00
3. Utility Coordination Support	\$0.00	\$0.00			\$0.00
4. Surveying	\$0.00	\$0.00			\$0.00
5. Drainage Study	\$0.00		\$9,230.00	\$41,028.00	\$50,258.00
6. Environmental Services	\$0.00				\$0.00
7. Geotechnical Services	\$128,570.00				\$128,570.00
8. Plan Preparation	\$0.00				\$0.00
9. Permit	\$0.00				\$0.00
10. Bidding Phase Services	\$0.00	\$0.00	\$3,210.00	\$12,465.80	\$15,675.80
Unit Costs & ODB					
<b>TOTAL</b>	<b>\$128,570.00</b>	<b>\$0.00</b>	<b>\$12,440.00</b>	<b>\$53,493.80</b>	<b>\$194,503.80</b>

ATTORNEY IN FEE REPORT  
 WISLAHAW COUNTY  
 Based Upon Report 03 - FV/A3 in VAI

Activity Description	Hours	Senior Engineer	Sr. OC Project Engineer	Senior Project Engineer	Project Engineer	Design Engineer	EIT	Senior Technician	Technician	Sr. Structural Engineer	Structural Engineer	Sr. Drilling Engineer	Drilling Engineer	Sr. Traffic Engineer	Traffic Engineer	Total Hours	Total Labor
1. Field data collection, field notes, etc.	8	0	4	0	0	0	0	0	0	0	0	0	0	0	0	8	128.00
2. Field data processing, field notes, etc.	10	0	4	0	0	0	0	0	0	0	0	0	0	0	0	10	160.00
3. Consulting design of driveway to Highway 200	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	16.00
4. Design details and report to Construction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
5. Report under Review (under Review 2) (Construction)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
<b>Total All Project Hours</b>	<b>27</b>	<b>0</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>27</b>	<b>424.00</b>
<b>Total All Project Labor Cost</b>	<b>48</b>	<b>0</b>	<b>192</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>48</b>	<b>128,736.00</b>





**ATTACHMENT D-3: FEE SCHEDULE**

**WILLIAMSON COUNTY**

**Ronald Reagan Segment D2**

**Other Direct Expenses (American Structurepoint, Inc.)**

Direct Expenses	Rate	Unit	Quantity	Cost
<b>SWCA</b>				
Hazmat Supplemental Records	\$ 1,000.000	Each		\$ -
GPS Table + Geode - Sub Meter Accuracy Data	\$ 40.00	Each		\$ -
Mileage	\$ 0.70	Miles	300	\$ 210.00
Backhoe and Operator	\$ 3,000.00	Day	1	\$ 3,000.00
			<b>SUB TOTAL</b>	<b>\$ 3,210.00</b>
<b>STC Environmental Services</b>				
Meals (Excluding alcohol & tips) (Overnight stay required)	\$ 40.000	day/person	3	\$ 120.00
Mileage - 15 Round Trips at 260 miles/trip	\$ 0.70	Miles	3900	\$ 2,730.00
Lodging	\$ 200.00	Night	2	\$ 400.00
Vehicle Rental	\$ 80.00	Day	0	\$ -
Laboratory - Soil Moisture	\$ 10.00	Test	30	\$ 300.00
Laboratory - pH - Soil	\$ 18.00	Test	5	\$ 90.00
Laboratory - Metals Digestion	\$ 16.20	Test	30	\$ 486.00
Laboratory -Arsenic - Soil - ICP:	\$ 16.20	Test	30	\$ 486.00
Laboratory -Arsenic - water - ICP:	\$ 36.00	Test	1	\$ 36.00
TCLP Extraction - 8 metals	\$ 50.40	Test	1	\$ 50.40
TCLP Analysis - 8 metals	\$ 108.00	Test	1	\$ 108.00
Driller- Mobilization - truck and Probe	\$ 2.10	Miles	262	\$ 550.20
Driller- Mobilization - truck and compressor	\$ 2.10	Miles	262	\$ 550.20
Driller- Casing	\$ 27.60	Foot	50	\$ 1,380.00
Driller- Drill Rig	\$ 2,340.00	Day	1	\$ 2,340.00
Driller- Air Compressor	\$ 780.00	Day	1	\$ 780.00
Driller- Decon	\$ 125.00	Event	1	\$ 125.00
Driller- Well Completion	\$ 300.00	Well	1	\$ 300.00
Driller- well plugging	\$ 794.40	Well	1	\$ 794.40
Driller- well plugging - debris removal	\$ 789.60	Well	1	\$ 789.60
Well Kit - Sampling	\$ 50.00	Well	1	\$ 50.00
			<b>SUB TOTAL</b>	<b>\$ 12,465.80</b>
<b>TOTAL</b>				<b>\$ 15,675.80</b>





# KMBT\_C284e-20180612114458

Final Audit Report

2025-09-25

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