



Change in Service #3

**Request for City Manager Signature**  
(\$50,000 and higher)

Project Name/Contract Number:	Reconstruction of Downtown Alleys: Kissing Alley Design Phase Services	#219-373
Department Contact / Department Name:	Rohit Vij	Engineering/CIP
Date of City Council Approval: (Past or Recent)	October 15, 2019	
Return Signed Document to:	Rohit Vij	Ext: 8133

Background/Purpose:

A change in service is required to provide the design phase services for Kissing Alley. The amount requested to complete additional tasks will be funded from C415, i.e. Downtown Alley Reconstruction.

Funding:

Project Number	Fund	Phase	GL Account	Amount
C415: Downtown Alley Reconstruction	Drainage	Design	51036378-70200	\$41,274.74
C415: Downtown Alley Reconstruction	W/WW	Design	52036378-70200	\$183,479.91
C415: Downtown Alley Reconstruction	General	Design	50036378-70200	\$70,245.35
C415: Downtown Alley Reconstruction	Electric	Design	51536378-70200	\$329,402.25

**Reviewed / Approved: 510**

User Department Director:	<i>Lauri Moy</i>	Date:	8/11/21
Purchasing / Contracting POC:		Date:	
Finance Director: (CDBG-DR)		Date:	
Purchasing Manager:		Date:	
Other Depts. as needed			

**EXHIBIT B**  
**AUTHORIZATION OF CHANGE IN SERVICE**

<b>CONTRACT NUMBER / CONTRACT NAME:</b>	#219-373/ Reconstruction of Downtown Alleys	
<b>CITY REPRESENTATIVE:</b>	Rohit Vij	
<b>CONTRACTOR:</b>	Cobb Fendley & Associates, Inc.	
<b>CONTRACT EFFECTIVE DATE:</b>	October 15, 2019	
<b>THIS AUTHORIZATION DATE:</b>	April 19, 2021	<b>AUTHORIZATION NO.:</b> 3

**DESCRIPTION OF WORK TO BE ADDED TO OR DELETED FROM SCOPE OF SERVICES:**

A change in service is required to provide the design phase services for Kissing Alley. The amount requested to complete additional tasks will be funded from C415, i.e. Downtown Alley Reconstruction.

Original Contract Amount:	\$ 148,298.00	
Previous Increases/Decreases in Contract Amount:	\$ 25,475.25	
This Increase/Decrease in Contract Amount:	\$ 624,402.25	
Revised Contract Amount:	\$ 798,175.50	

**CONTRACTOR:**



Signature

8/2/2021

Date

Dan Warth/Executive Vice President

Print Full Name / Title (if not in individual capacity)

**CITY:**

Signature

Date

Print Name

Title

***City Department Use Only Below This Line (PM, etc.).***

Account Number(s):	Amount	Date
# C415 (Drainage): 51036378-70200	\$41,274.74	September 7, 2021
# C415 (W/WW): 52036378-70200	\$183,479.91	September 7, 2021
# C415 (General): 50036378-70200	\$70,245.35	September 7, 2021
# C415 (Electric): 51536378-70200	\$329,402.25	September 7, 2021

**EXHIBIT 1**  
**CITY OF SAN MARCOS**  
**Kissing Alley Improvements**  
**SCOPE OF SERVICES**

**PROJECT UNDERSTANDING:**

Cobb, Fendley & Associates, Inc. (CobbFendley) has been tasked by the City of San Marcos to provide the Design Phase for this project with the following milestone deliverables: 30%, 60%, 90%, 99% and 100% Plans, Specs, and Estimate for Kissing Alley, located in between Hopkins Street and University Drive. The total project length is approximately 900'. The project will include, design, utility coordination, electrical design, easement services, lighting, and land planning and aesthetic design for the section of Kissing Alley in between Hopkins and Hutchinson.

The following is the understood scope of services. It is assumed that Subsurface Utility Engineering (SUE) and ROW/Easement Acquisition will be provided by the City of San Marcos with scope assistance from CobbFendley. CobbFendley is requesting 8 test holes and QLB to verify along Guadalupe Street for re-routing utilities out of Kissing Alley.

**Phase A:**

**30% Plans:**

Based on the preliminary design and approval from San Marcos, CobbFendley will develop 30% Plans for review and comment. This assumes the 30% plans will take (3) months to complete, excluding City and Stakeholder review time.

1. Project Management and QA/QC: This task consists of effort associated with project administration, coordination with City staff, coordination and supervision of the Project Team, invoicing, and quality management so that project milestones and deliverables meet schedule and budget constraints.
  - a. Project Management
  - b. QA/QC
2. Meetings
  - a. Project Coordination Meetings with the Client. (3) Meetings have been budgeted for this 30% Phase
  - b. Project Kickoff Meeting (1) for 30% Plans
  - c. Biweekly Phone Calls with team. Up to (6) bi-weekly phone calls with the Project Team
  - d. Public Meeting. (2) meetings have been budgeted for 30% Phase which consists of preparing exhibits and attending the meeting. The meeting could include City Council, Downtown Business District, Texas State University, or any other stakeholder
3. Investigation of Utility Rerouting for water, wastewater and gas: This task consists of analyses to investigate level of effort needed to reroute utilities from within the alley to the adjacent main streets. This includes:
  - a. Preliminary schematic of the utility relocations. Assume (2) plan Sheets

- b. Cost estimate for the relocations, including private reconnections

\*Note that if it is decided that utilities should be rerouted out from within the alley, then additional survey and SUE investigation may be required to provide a more accurate relocation plan. The area of impact will also likely be increased. A supplemental scope and fee will be presented to reflect these changes.

4. Development of Design Summary Report

- 5. 30% Plans – Anticipated Sheets and Numbers – The design Sheets at 30% level are only plan view and existing ground profile that shows known existing utility crossings. The existing utilities will be schematic until further verified in the field. Profiles of proposed infrastructure will be shown at 60% and beyond. The Plan Sheets shall be on 11x17 Sheets at 1" = 40' H and 1" = 10' Vertical.

- a. Cover Sheet – (1) Sheet
- b. General Notes – (2) Sheets
- c. General Layout – (1) Sheet
- d. Survey – (2) Sheets
- e. SW3P Plan / Epic Sheet – (1) Sheet
- f. Erosion and Sedimentation Control Sheets – (2) Sheets
- g. Typical Sections – (1) Sheet
- h. Water P&P – (1) Sheet (Profile view for 12" and larger only showing existing grade, existing connections and existing utility crossings; excludes proposed water, proposed utility crossings, and proposed grade; Plan view only for 30%)
- i. Water Plan – (1) Sheet (Plan view for 2" and 8" water mains, existing connections, and utility crossings; excludes proposed water, proposed utility crossings, and proposed grade)
- j. Wastewater P&P – (3) Sheets (profile for all lines showing existing grade, existing connections, and existing utilities crossings; excludes proposed wastewater, proposed utility crossings, and proposed grade; Plan view only for 30%)
- k. Existing Drainage Area Map, Off-site and On-site – (1) Sheet
- l. Proposed Drainage Area Maps, Off-site and On-site – (1) Sheet
- m. Storm Drainage Calcs– (2) Sheets (will include hydrologic and hydraulic calcs for inlets and storm pipes)
- n. Storm Drainage Plans – (3) Sheets (profile will show existing grade, proposed storm sewer main, existing utility crossings, 25-year and 100-year HGL; excludes laterals, proposed grade, and proposed utility crossings)
- o. Roadway Plans – (3) Sheets (profile will show existing grade; excludes proposed grade at 30%)
- p. Electrical design plans – (plan view to show existing and proposed pole placement, primary and secondary pull boxes, transformers; plan of proposed duct bank, and existing utility crossings; will exclude proposed utility crossings and proposed grade.
- q. Lighting – photometric plan, show existing and proposed pole placement, show pull boxes, provide typical section showing trench. Refer to American Structurepoint Proposal.
- r. Landscaping/Hardscaping (Landscape Site Plan(s), Cross Sections / Elevations, Landscape Lighting Plan(s), Illustrative plan, Illustrative sections, 3D renderings). Refer to Design Workshop Proposal.

- s. Permeable Paver Design/Details. Refer to Applied Research Associates Proposal.
  - t. Easement - include Sheet showing where easements (temporary and permanent) are required.
  - u. Structural Stabilization for adjacent buildings – refer to CobbFendley Structural Proposal.
6. List of standard specifications. City of San Marcos specifications will be used.
  7. Construction Cost Estimate – with 25% Contingency
  8. Project Schedule.
  9. Deliverables
    - a. Monthly Status Update - assumes (3) months duration for 30% Plans
    - b. 30% Plans
    - c. Design Checklist – Per City of San Marcos Requirements
  10. **Field Services, CobbFendley Supplemental Disciplines, and Subconsultants**
    - a. Survey – see attached Survey Scope of Services provided by CobbFendley on January 20, 2021 for metes and bounds services for three (3) easements.
    - b. Landscaping, Lighting, Hardscape and Public Art – See attached Design Workshop Scope of Services dated December 3, 2020. This proposal covers 30%/60%/90%/99%/100% milestones.
    - c. Environmental Services – See attached Cox McLain Scope of Services dated January 12, 2021 for Texas Historical Commission coordination and providing an Environmental Technical Memorandum.
    - d. Dry Utility Relocation and Coordination – See the attached scope of services provided by CobbFendley for dry utility relocation and coordination services. This scope is 30%/60%/90%/99% and 100%.
    - e. Illumination – See American Structurepoint scope of services for existing and proposed illumination studies and recommendations.
    - f. Easement Acquisition – obtain (2) utility easements for proposed electrical equipment and obtain (1) temporary construction easement for proposed ADA ramp at fire department.
    - g. Structural Stabilization - see attached Structural Scope of Services provided by CobbFendley on June 15, 2021

## **Phase B:**

### **Design Phase (60/90/99/100%):**

1. Project Management and QA/QC: This task consists of effort associated with Project Administration, coordination with City staff, coordination and supervision of the Project Team, and Quality Management so that Project Milestones and Deliverables meet Schedule and Budget constraints. This assumes the Project Design Phase is (12) months, excluding City and Stakeholder review time.
  - a. Project Management
  - b. QA/QC
  - c. Monthly Status Report: CobbFendley will provide a monthly status report, including a summary of work completed as well as a status plan set. This assumes a 9-month duration.
2. Meetings

- a. Project Meetings: (4) project meetings have been included for the Design Phase, following each milestone submittal (60/90/99/100%).
  - b. Public Meetings: (4) public meetings have been included which consists of preparing Exhibits and attending the Meeting. The meetings could include City Council, Downtown Business District, Texas State University, or any other Stakeholder not to exceed the budgeted amount of (4).
  - c. Bi-weekly phone calls with the team – up to (24).
3. Permitting
- a. Assumes the project lies within the Edwards Aquifer Transition Zone, and the topography drains away from the Edwards Aquifer Recharge Zone, no required permitting through the Texas Commission on Environmental Quality (TCEQ) is required. This task is for City of San Marcos Permits – CobbFendley will coordinate with the City of San Marcos reviewers on understanding comments and intent to help obtain a permitted set of plans for construction.
4. Plans and Deliverables:
- a. 60%/90%/99%/100%: CobbFendley will provide (2) hard copies of 11" x 17" plan sets and (1) PDF electronic copy. At a minimum, the plan set will contain the following:
    - i. Cover Sheet – (1) Sheet
    - ii. General Notes – (2) Sheets
    - iii. Project Layout Sheet: CobbFendley will provide a layout of the Project with Plan Sheet references. (1) Sheet
    - iv. Overall Quantity Sheet: CobbFendley will provide a quantity table that includes individual Sheet quantities and the overall Project quantities - (2) Sheets
    - v. Survey – (2) Sheets
    - vi. Typical Sections – (1) Sheet
    - vii. SW3P Plan/EPIC Sheet – (1) Sheet
    - viii. Erosion and Sedimentation (E&S) Control Plans – 2 Sheets
    - ix. E&S Details – As required
    - x. Traffic Control Notes and Narrative – (1) Sheet
    - xi. Traffic Control Plan – (6) Sheets, assumes (3) Phases with detour plans during construction.
    - xii. TCP Details – As required
    - xiii. Traffic Control Typical Sections – (1) Sheet
    - xiv. Pavement Removal – (1) Sheet
    - xv. Roadway Layout – Assumes (1) Sheet
    - xvi. Roadway P&P – Assumes 3 Sheets (includes existing and proposed grade)
    - xvii. Roadway Grading Plan – Assumes (2) Sheets
    - xviii. Driveway Detail Plan Sheets - Grading, assumes (4) driveways – assumes (2) Sheets
    - xix. Roadway Details – As required

- xx. Overall Utility Layout Sheet – (1) Sheet (color coded, label all proposed and existing utilities)
- xxi. General Water Layout – (1) Sheet
- xxii. Water P&P – Assumes (1) Sheet (profile for 12" and larger will show existing grade, connections, and existing utility crossings, proposed water, proposed utility crossings, proposed grade. Profile will be provided at 90% and on)
- xxiii. Water Plan – Assumes (1) Sheet (plan Sheet for existing and proposed 8" and 2" water, utility crossings and service connections)
- xxiv. Water Details – As required
- xxv. General Wastewater Layout – Assumes (1) Sheet
- xxvi. Wastewater P&P – Assumes (3) Sheets (profile for all lines will show existing grade, connections, and existing utility crossings, proposed wastewater, proposed utility crossings, proposed grade).
- xxvii. Wastewater Details – As Required
- xxviii. Existing Drainage Area Map, Off-site and On-site – (1) Sheet
- xxix. Proposed Drainage Area Maps, Off-site and On-site – (1) Sheet
- xxx. Drainage Calculations – Assumes (1) Sheet
- xxxi. Storm Sewer P&P – Assumes (3) Sheets (profile will show existing grade, proposed storm sewer main, existing utility crossings, 25-year and 100-year HGL, laterals, proposed grade, and proposed utility crossings)
- xxxii. Lateral Profiles – Assumes (1) Sheet
- xxxiii. Storm Drainage Details – As required
- xxxiv. Electric Design - See the attached CobbFendley scope of services for the electrical relocation.
- xxxv. Lighting - See American Structurepoint scope of services for existing and proposed illumination studies and recommendations.
- xxxvi. Landscaping, Lighting, Hardscape and Public Art – See attached Design Workshop Scope of Services dated December 3, 2020.
- xxxvii. Permeable Paver Specifications/Drawings/Final Deliverables. Refer to Applied Research Associates Proposal.
- xxxviii. Easement layout – See attached Survey Scope of Services dated January 20, 2021.
- xxxix. Structural Stabilization - see attached Structural Scope of Services provided by CobbFendley on June 15, 2021
- b. Contract Documents and Standard Specifications: City of San Marcos Division (1) and Technical Specifications will be used. Project Specific/Special Specifications will be provided by CobbFendley as needed. TxDOT and TMUTCD specifications and details could be incorporated into the Project for Traffic Controls.
- c. Engineer's Opinion of Probable Construction Costs (OPCC) which will include the following contingencies: 60%-15%, 90%-10%, 99%-5%, 100%-5%.

- d. Construction Project Schedule: CobbFendley will develop a Construction Schedule for the Project consisting of Design, Bid and Construction Phases. The schedule will be updated during design.
  - e. Engineers' Report – update the Engineering Report from the PER with the final design information.
  - f. Submittals – This proposal assumes (4) Submittals compiling and disseminating the Plans, Reports, Studies, and Contract Documents to the City of San Marcos for review.
  - g. Respond to Comments – this Proposal assumes (4) Comment Response Letters will be issued for each Submittal.
5. Subconsultants:
- a. Survey – Easement Metes and Bounds – See CobbFendley Scope and Fee
  - b. Landscaping, Lighting, Hardscape and Public Art – See attached Design Workshop Scope of Services
  - c. Environmental Services – See Cox McLain Environmental Consulting Scope and Fee
  - d. Dry Utility Design and Coordination – See CobbFendley Scope and Fee
  - e. Illumination Design – Final Design – Provided by American Structurepoint
  - f. Permeable Paver Design – Provided by Applied Research Associates
  - g. Structural Stabilization Design - See CobbFendley Scope and Fee

## **Schedule**

The following project milestones are estimated and may require modification pending preliminary engineering results and construction timeframe constraints:

- 30% Design Documents - (3) months
- 60% Design Documents Submittal - (4) months
- 90% Design Documents Submittal - (5) months
- 99% Design Documents Submittal - (2) months
- 100% Design Documents Submittal - (1) month

The estimated timeframes identified do not include time for City review of Submittals.

## **City Responsibilities**

1. The City will provide to CobbFendley all data in the City's possession relating to CobbFendley services on the Project. CobbFendley will reasonably rely upon the accuracy, timeliness, and completeness of the information provided by the City.
2. The City will give prompt notice to CobbFendley whenever the City observes or becomes aware of any development that affects the scope or timing of CobbFendley services.
3. The City will examine information submitted by CobbFendley and render in writing or otherwise provide comments and decisions in a timely manner.



4. The City will obtain all necessary right-of-entries from required landowners.
5. The City will provide Title Reports for properties with proposed easements.
6. The City will obtain all permanent sanitary sewer line, access, and temporary construction easements, including services such as appraisal of properties, negotiations with the property owners, and actual purchase of the easements.

### **Additional Services**

Additional Services to be performed, if authorized in writing by the City, but which are not included in the above-described Basic and Supplemental Scope of Services, and once a mutually agreed upon fee is negotiated are as follows:

1. Performing title searches for Easement or Joint-Use Agreement preparation.
2. Preparation of additional Easement/ Boundary Exhibits beyond the number identified in the Scope of Services.
3. Acting as an agent of the City in the acquisition of permanent or temporary easements.
4. Preparation of platting documents and/or real property Survey for site acquisition.
5. Accompanying the City when meeting with the TCEQ, U.S. Environmental Protection Agency, or other regulatory agencies during the Project, beyond those meetings identified above.
6. Preparing Applications and supporting documents for Government Grants, Loans, or Planning Advances.
7. Appearing before regulatory agencies or Courts as an expert witness in any litigation with third-parties or condemnation proceedings arising from the development or construction of the Project, including the preparation of engineering data and reports for assistance to the City.
8. Providing professional services associated with the discovery of any hazardous waste or materials in the Project site.
9. Logistics associated with hosting the Public Meetings. CobbFendley involvement is defined in the sections above. Mailers, website development, public signage placement, and other outreach efforts are not included in this scope.
10. Traffic counts are not included in this Scope of Services.
11. Traffic signal design is not included in this Scope of Services.
12. Dry utility design is not included in this Contract other than those specified in the illumination/photometric and dry utility design and coordination section.
13. ROW and Easement acquisitions are to be handled by the City of San Marcos. Additional services are required if CobbFendley is to provide services in this area.
14. It is assumed that TCEQ Permitting is not required for this project. Due to the Project limits located within the Transition Zone of the Edwards Aquifer, and the runoff draining away from the Edwards

Aquifer Recharge Zone, based on the TCEQ flowchart, WPAP, SCS, and/or Contributing Zone Permitting is not required by the TCEQ.

15. It is assumed the CLOMR and LOMR Applications are not required on this Project.
16. It is assumed that detention pond or regional storm water management is not required in this Project.
17. This Scope of Services does not include Drainage 2D Modeling.
18. Bid Phase services
19. Construction Phase services

## Hourly Breakdown



## 2021 Standard Rate Schedule

Senior Engineer V or Principal .....	\$299.00/HR
Senior Engineer IV or Project Manager V .....	\$278.00/HR
Senior Engineer III or Project Manager IV .....	\$242.00/HR
Senior Engineer II or Project Manager III .....	\$227.00/HR
Senior Engineer I or Project Manager II .....	\$201.00/HR
Engineer III or Project Manager I .....	\$175.00/HR
Engineer II .....	\$155.00/HR
Engineer I .....	\$129.00/HR
Graduate Engineer II.....	\$118.00/HR
Graduate Engineer.....	\$108.00/HR
Project Coordinator.....	\$98.00/HR
Senior Technician III (GIS, Telecom, Utility, CAD, Field).....	\$170.00/HR
Senior Technician II (GIS, Telecom, Utility, CAD, Field).....	\$149.00/HR
Senior Technician I (GIS, Telecom, Utility, CAD, Field).....	\$129.00/HR
Technician III (GIS, Telecom, Utility, CAD, Field).....	\$103.00/HR
Technician II (GIS, Telecom, Utility, CAD, Field).....	\$84.00/HR
Technician I (GIS, Telecom, Utility, CAD, Field).....	\$62.00/HR
Licensed State Land Surveyor .....	\$242.00/HR
Senior Registered Professional Land Surveyor.....	\$216.00/HR
Registered Professional Land Surveyor .....	\$175.00/HR
Project Surveyor. ....	\$155.00/HR
Certified Photogrammetrist. ....	\$205.00/HR
4 Person Survey Crew .....	\$196.00/HR
3 Person Survey Crew .....	\$175.00/HR
2 Person Survey Crew .....	\$149.00/HR
1 Person Survey Crew .....	\$108.00/HR
2 Person Hy-Drone Crew .....	\$350.00/HR
2 Person UAV Drone Crew .....	\$242.00/HR
Construction Manager III.....	\$288.00/HR
Construction Manager II.....	\$237.00/HR
Construction Manager I.....	\$191.00/HR
Construction Observer III .....	\$160.00/HR
Construction Observer II .....	\$134.00/HR
Construction Observer I .....	\$113.00/HR
Sr. Right-of-Way Agent III or ROW Project Manager III.....	\$250.00/HR
Sr. Right-of-Way Agent II or ROW Project Manager II.....	\$200.00/HR
Sr. Right-of-Way Agent I or ROW Project Manager I.....	\$180.00/HR
Right-of-Way Agent III or ROW Attorney.....	\$160.00/HR
Right-of-Way Agent II.....	\$140.00/HR
Right-of-Way Agent I.....	\$110.00/HR

**(Continued)**

Right-of-Way Technician.....	\$100.00/HR
Administrative .....	\$108.00/HR
Clerical.....	\$82.00/HR
Field Data Device .....	\$40.00/HR/unit

**SUBSURFACE UTILITY ENGINEERING**

Two-Man Designating Crew (4-Hour Minimum) .....	\$175/HR
One-Man Designating Crew (4-Hour Minimum) .....	\$113/HR
Vacuum Excavation Truck with 2 Technicians (Vac 6000) (4-Hour Minimum).....	\$325/HR
Vacuum Excavation Truck with 2 Technicians (Vac 3000 & 4000) (4-Hour Minimum).....	\$304/HR
Ground Penetrating Radar with 1 Technician (4-Hour Minimum) .....	\$268/HR
Traffic Control Officer.....	@ Cost + 10%
Traffic Control (Lane Closures, etc.) .....	To Be Negotiated
Permits (Local, State, etc.).....	@ Cost + 10%
Designation, Location & Traffic Control Vehicles.....	\$6.50/Mile

**REIMBURSABLE EXPENSES**

Technology Fee (*) .....	\$3.75/HR
Consultant or Specialty Contractor (Outside Firm) .....	@ Cost + 10%
Courier, Special Equipment Rental .....	@ Cost + 10%
Reasonable Out of Town Travel Expenses (Air, Hotel, Rental, etc.) .....	@ Cost
Mileage (Standard Car or Truck).....	IRS Approved Rate
Per Diem for Out of Town Travel (Per Day/Person) .....	GSA Standard Rate/Day
Title Plant Charges .....	@ Cost + 10%
Other Misc. Expenses Related to the Project.....	@ Cost + 10%

**In-House Reproduction:**

- Copies (Up to 11" x 17").....\$0.15/Each
- Color Prints (Up to 11" x 17") .....
- Color Prints (Larger than 11" x 17") .....
- Bluelines (All Sizes) .....
- Bond Prints (All Sizes) .....
- Mylar Prints .....
- Vellum Prints .....

(\*) Technology charges added to each billable man-hour.

Exhibit 2  
Detailed Fee  
Schedule

EXHIBIT 2 - FEE ESTIMATE															
City of San Marcos, Texas															
Kissing Alley Improvements															
June 30, 2021															
					Staff							Civil Subconsultants	Total Expense	Mileage	Printing 8.5x11
		Professional Service Description	Total Task Hours	Total Task Cost	Principal (Sr PM V)	Project Manager II	Senior Engineer II	Project Engineer II	Project Engineer I	Senior Technician III	Clerical	Sub 1	Expenses cost	per mile	per each
					\$278.00	\$201.00	\$227.00	\$155.00	\$129.00	\$170.00	\$82.00	Fee		\$0.58	\$0.15
															\$3.00
		Phase A 30% Plans - 3 months	477	\$167,601.50	13	92	19	131	203	8	11	\$92,428.50	\$ 999.75		
1		Project Management & QA/QC													
	a	Project Management	21	\$7,395.50	3	12					6	\$3,657.50	\$ -		
	b	QA/QC - 30%	16	\$3,734.00	2		14						\$ -		
2		Meetings											\$ -		
	a	Project Coordination Meetings - 3	14	\$2,692.00	2	6		6					\$ -		
	b	Kickoff Meeting - 1	10	\$1,727.00	1	2	1	2	2	1	1		\$ 40.25	70	
	c	Bi-weekly Coordination Meetings - 6	21	\$3,744.00	3	6		6	6				\$ -		
	d	Public Meeting - 2	24	\$14,310.00	2	2		8	8	4		\$10,400.00	\$ -		
3		Investigation of Utility Rerouting											\$ -		
	a	Preliminary schematic	18	\$2,478.00				6	12				\$ -		
	b	Cost estimate	6	\$826.00				2	4				\$ -		
4		Design Development Summary Report	4	\$666.00		1		3					\$ -		
5		30% Plans											\$ -		
	a	Cover Sheet - 1 Sheet	2	\$330.00		1			1				\$ -		
	b	General Notes - 2 Sheets	2	\$284.00				1	1				\$ -		
	c	General Layout - 2 Sheets	3	\$485.00		1		1	1				\$ -		
	d	Survey - 2 Sheets	1	\$129.00					1				\$ -		
	e	SW3P Plans/EPIC - 1 Sheet	5	\$743.00		1		1	3				\$ -		
	f	Erosion/Sedimentation Controls - 2 Sheets	18	\$2,570.00		2		4	12				\$ -		
	g	Typical Sections - 1 Sheet	22	\$3,086.00		2		4	16				\$ -		
	h	Water P&P - 1 Sheet (Plan only)	11	\$1,543.00		1		2	8				\$ -		
	i	Water Plan - 1 Sheets	13	\$1,853.00		1		4	8				\$ -		
	j	Wastewater P&P - 3 Sheets (Plan only)	31	\$4,227.00		1		6	24				\$ -		
	k	Existing Drainage Area Map - Offsite and Onsite - 1 Sheet	11	\$1,543.00		1		2	8				\$ -		
	l	Proposed Drainage Area Map - Offsite and Onsite - 1 Sheet	13	\$1,853.00		1		4	8				\$ -		
	m	Storm Drainage Calcs - 1 Sheet	26	\$3,914.00		2		16	8				\$ -		
	n	Storm Drainage Plans - 3 Sheets (Plan and Profile)	51	\$7,107.00		3		12	36				\$ -		
	o	Roadway Plans - 3 Sheets	36	\$5,139.00		3		6	24	3			\$ -		
	p	Electrical Design - See CF Electric/Telecom Design Scope and Fee													
	q	Lighting - Provided by American StructurePoint													
	r	Landscape Site Plans - Provided by Design Workshop													
	s	Permeable Paver Design/Details - Provided by Applied Research Associates													
	t	Easement Metes and Bounds - Provided by CobbFendley													
6		List of standard specifications	3	\$511.00		1		2					\$ -		
7		Construction Cost Estimates	10	\$1,642.00		2		8					\$ -		
8		Project Schedule	4	\$712.00		2		2					\$ -		
9		Deliverables											\$ -		
	a	Monthly Status Update - Assumes 2	3	\$365.00		1					2		\$ -		
	b	30% Plans	10	\$1,588.00		2	2	2	2		2		\$ -		
	c	Design Checklist	5	\$965.00		1	2	2					\$ -		
10		Subconsultants / CF Supplemental Disciplines											\$ -		
	a	Survey - Metes and Bounds for Easements - See CobbFendley Scope and Fee	8	\$6,914.00		4		4				\$5,490.00	\$ -		
	b	Landscape, Lighting, Hardscape, and Public Art - See Design Workshop Scope and Fee	16	\$24,540.00		8			8			\$21,900.00	\$ 250.00		
	c	Environmental Services - See Cox McInain Scope and Fee	3	\$6,664.00		2		1				\$6,107.00	\$ 700.00		
	d	Dry Utility Design and Coordination - See CobbFendley Scope and Fee	14	\$16,448.00		8		4	2			\$13,962.00	\$ 9.50	10	25
	e	Illumination Design - Provided by American StructurePoint (Not in this phase)	0	\$0.00		0		0	0				\$ -		
	f	Applied Research Associates (Permeable Design/Details)	8	\$14,823.00		4		4	0			\$13,399.00	\$ -		
	g	Structural - Building Wall Stabilization - See CobbFendley Scope and Fee	14	\$20,051.00		8		6	0			\$17,513.00	\$ -		

EXHIBIT 2 - FEE ESTIMATE															
City of San Marcos, Texas															
Kissing Alley Improvements															
June 30, 2021															
					Staff							Civil Subconsultants	Total Expense	Mileage	Printing 8.5x11
		Professional Service Description	Total Task Hours	Total Task Cost	Principal (Sr PM V)	Project Manager II	Senior Engineer II	Project Engineer II	Project Engineer I	Senior Technician III	Clerical	Sub 1	Expenses cost	per mile	per each
					\$278.00	\$201.00	\$227.00	\$155.00	\$129.00	\$170.00	\$82.00	Fee		\$0.58	\$0.15
															\$3.00
		Phase B Design (60% Plans - -4 months)	526	\$164,544.33	13	96	16	136	245	8	12	\$82,973.33	\$ 3,003.50		
1		Project Management & QA/QC													
a		Project Management	24	\$9,223.33	4	12					8	\$5,043.33	\$ -		
b		QA/QC - 60%	18	\$4,188.00	2		16						\$ -		
c		Monthly Status Reports	4	\$375.00					1		3		\$ -		
2		Meetings											\$ -		
a		Project Coordination Meetings - 1	5	\$990.00	1	2		2					\$ 161.00	280	
b		Public Meetings: 1	9	\$6,700.00	1	2		2	2	1	1	\$5,200.00	\$ 783.00	840	100
c		Bi-weekly Coordination Meetings - 6	20	\$3,466.00	2	6		6	6				\$ -		
3		Deliverables											\$ -		
a		60% Plans											\$ -		
i		Cover Sheet - 1 Sheet	3	\$485.00		1		1	1				\$ -		
ii		General Notes - 2 Sheets	1	\$129.00					1				\$ -		
iii		General Layout - 1 Sheet	2	\$284.00				1	1				\$ -		
iv		Overall Quantity Sheet - 2 Sheets	3	\$485.00		1		1	1				\$ -		
v		Survey - 2 sheets	1	\$129.00					1				\$ -		
vi		Typical Sections - 1 Sheet	6	\$1,047.00	1	1		2	2				\$ -		
vii		SW3P Plans/EPIC - 1 Sheet	3	\$511.00		1		2					\$ -		
viii		E&S Plans - 2 Sheets	9	\$1,285.00		1		2	6				\$ -		
ix		E&S Details	3	\$485.00		1		1	1				\$ -		
x		TCP Notes and Narrative - 1 Sheet	4	\$614.00		1		1	2				\$ -		
xi		TCP Plan - 6 Sheets	49	\$6,862.00	1	4		4	40				\$ -		
xii		TCP Details	4	\$614.00		1		1	2				\$ -		
xiii		TCP Typical Sections - 1 Sheet	6	\$872.00		1		1	4				\$ -		
xiv		Pavement Removal - 1 Sheet	6	\$872.00		1		1	4				\$ -		
xv		Roadway Layout - 1 Sheet	5	\$769.00		1		2	2				\$ -		
xvi		Roadway P&P - 3 Sheets	28	\$4,256.00	1	3		6	15	3			\$ -		
xvii		Roadway Grading - 2 Sheets	24	\$3,426.00		2		4	16	2			\$ -		
xviii		Driveway Detail Plans - 2 Sheets	20	\$3,014.00		2		8	8	2			\$ -		
xix		Roadway Detail Sheets	3	\$485.00		1		1	1				\$ -		
xx		Overall Utility Layout - 1 Sheet	3	\$485.00		1		1	1				\$ -		
xxi		General Water Layout - 1 Sheet	3	\$485.00		1		1	1				\$ -		
xxii		Water P&P - 1 Sheets (Plan only)	13	\$1,801.00		1		2	10				\$ -		
xxiii		Water Plan - 1 Sheet	13	\$1,801.00		1		2	10				\$ -		
xxiv		Water Details	3	\$485.00		1		1	1				\$ -		
xxv		General Wastewater Layout - 1 Sheet	3	\$485.00		1		1	1				\$ -		
xxvi		Wastewater P&P - 3 Sheets	44	\$6,132.00		2		12	30				\$ -		
xxvii		Wastewater Details	3	\$485.00		1		1	1				\$ -		
xxviii		Existing Drainage Area Map -Offsite and Onsite - 1 Sheet	4	\$614.00		1		1	2				\$ -		
xxix		Proposed Drainage Area Map -Offsite and Onsite - 1 Sheet	9	\$1,285.00		1		2	6				\$ -		
xxx		Drainage Calculations - 1 Sheet	5	\$769.00		1		2	2				\$ -		
xxxi		Storm Sewer P&P - 3 Sheets	30	\$4,320.00		3		9	18				\$ -		
xxxii		Lateral Profile - 1 Sheet	17	\$2,473.00		1		8	8				\$ -		
xxxiii		Storm Drainage Details	3	\$485.00		1		1	1				\$ -		
xxxiv		Electrical Design - See CF Electric/Telecom Design Scope and Fee													
xxxv		Lighting - Provided by American StructurePoint													
xxxvi		Landscape Site Plans - Provided by Design Workshop													
xxxvii		Permeable Paver Specifications/Drawings - Provided by Applied Research Associates													
xxxviii		Easement Layout													
b		Contract Documents and Standard Specifications	12	\$1,900.00		2		8	2				\$ 150.00		1000
c		Engineers Opinion of Probable Cost	9	\$1,389.00		1		6	2				\$ -		
d		Construction Project Schedule	5	\$769.00		1		2	2				\$ -		
e		Engineer's Report	16	\$2,364.00		2		6	8				\$ 150.00		1000
f		Submittal - 1	6	\$872.00		1		1	4				\$ 1,500.00		2000
g		Respond to Comments	7	\$1,027.00		1		2	4				\$ -		
4		Subconsultants / CF Supplemental Disciplines													
a		Survey - Metes and Bounds for Easements - See CobbFendley Scope and Fee (Not in this phase)				0		0					\$ -		
b		Landscape, Lighting, Hardscape, and Public Art - See Design Workshop Scope and Fee	16	\$23,840.00		8			8			\$21,200.00	\$ 250.00		
c		Environmental Services - See Cox McInain Scope and Fee				0		0					\$ -		
d		Electric/Telecom Utility Design and Gas Coordination - See CobbFendley Scope and Fee	14	\$31,189.00		8		4	2			\$28,703.00	\$ 9.50	10	25
e		Illumination Design - Provided by American StructurePoint	8	\$5,280.00		2		4	2				\$ -		
f		Applied Research Associates (Specifications and Drawings)	8	\$11,325.00		2		4	2			\$10,045.00	\$ -		
g		Structural - Building Wall Stabilization - See CobbFendley Scope and Fee	12	\$10,918.00		6		6	0			\$8,782.00	\$ -		



EXHIBIT 2 - FEE ESTIMATE															
City of San Marcos, Texas															
Kissing Alley Improvements															
June 30, 2021															
					Staff							Civil Subconsultants	Total Expense	Mileage	Printing 8.5x11
		Professional Service Description	Total Task Hours	Total Task Cost	Principal (Sr PM V)	Project Manager II	Senior Engineer II	Project Engineer II	Project Engineer I	Senior Technician III	Clerical	Sub 1	Expenses cost	per mile	per each
					\$278.00	\$201.00	\$227.00	\$155.00	\$129.00	\$170.00	\$82.00	Fee		\$0.58	\$0.15
															\$3.00
		Phase B Design (90% Plans - 5 months)	575	\$165,921.17	14	109	16	153	263	5	15	\$76,766.17	\$ 3,003.50		
1		Project Management & QA/QC													
a		Project Management	30	\$11,754.17	5	15					10	\$6,529.17	\$ -		
b		QA/QC - 90%	18	\$4,188.00	2		16						\$ -		
c		Monthly Status Reports	6	\$586.00					2		4		\$ -		
2		Meetings -											\$ -		
a		Project Coordination Meetings - 1	5	\$990.00	1	2		2					\$ 161.00	280	
b		Public Meetings: 1	9	\$6,700.00	1	2		2	2	1	1	\$5,200.00	\$ 783.00	840	100
c		Bi-weekly Coordination Meetings - 6	20	\$3,466.00	2	6		6	6				\$ -		
3		Deliverables											\$ -		
a		90% Plans											\$ -		
i		Cover Sheet - 1 Sheet	3	\$485.00		1		1	1				\$ -		
ii		General Notes	1	\$129.00					1				\$ -		
iii		General Layout - 1 Sheet	2	\$284.00				1	1				\$ -		
iv		Overall Quantity Sheet - 2 Sheets	3	\$485.00		1		1	1				\$ -		
v		Survey - 2 sheets	1	\$129.00					1				\$ -		
vi		Typical Sections - 1 Sheet	5	\$892.00	1	1		1	2				\$ -		
vii		SW3P Plans/EPIC - 1 Sheet	2	\$356.00		1		1					\$ -		
viii		E&S Plans - 2 Sheets	9	\$1,285.00		1		2	6				\$ -		
ix		E&S Details	5	\$769.00		1		2	2				\$ -		
x		TCP Notes and Narrative - 1 Sheet	4	\$614.00		1		1	2				\$ -		
xi		TCP Plan - 6 Sheets	65	\$9,894.00	1	16		8	40				\$ -		
xii		TCP Details	4	\$614.00		1		1	2				\$ -		
xiii		TCP Typical Sections - 1 Sheet	6	\$872.00		1		1	4				\$ -		
xiv		Pavement Removal - 1 Sheet	6	\$872.00		1		1	4				\$ -		
xv		Roadway Layout - 1 Sheet	5	\$769.00		1		2	2				\$ -		
xvi		Roadway P&P - 3 Sheets	21	\$3,158.00	1	2		6	12				\$ -		
xvii		Roadway Grading - 2 Sheets	28	\$3,994.00		2		6	18	2			\$ -		
xviii		Driveway Detail Plans - 2 Sheets	32	\$4,614.00		2		10	18	2			\$ -		
xix		Roadway Detail Sheets	3	\$485.00		1		1	1				\$ -		
xx		Overall Utility Layout Sheet	2	\$356.00		1		1					\$ -		
xxi		General Water Layout - 1 Sheet	3	\$485.00		1		1	1				\$ -		
xxii		Water P&P - 1 Sheets	15	\$2,111.00		1		4	10				\$ -		
xxiii		Water Plan - 1 Sheet	7	\$1,027.00		1		2	4				\$ -		
xxiv		Water Details	3	\$485.00		1		1	1				\$ -		
xxv		General Wastewater Layout - 1 Sheet	3	\$485.00		1		1	1				\$ -		
xxvi		Wastewater P&P - 3 Sheets	35	\$4,893.00		2		9	24				\$ -		
xxvii		Wastewater Details	5	\$769.00		1		2	2				\$ -		
xxviii		Existing Drainage Area Map -Offsite and Onsite - 1 Sheet	4	\$614.00		1		1	2				\$ -		
xxix		Proposed Drainage Area Map -Offsite and Onsite - 1 Sheet	9	\$1,285.00		1		2	6				\$ -		
xxx		Drainage Calculations - 1 Sheet	7	\$1,053.00		1		3	3				\$ -		
xxxi		Storm P&P - 3 Sheets	36	\$5,094.00		3		9	24				\$ -		
xxxii		Lateral Profile - 1 Sheet	18	\$2,674.00		2		8	8				\$ -		
xxxiii		Storm Drainage Details	7	\$1,053.00		1		3	3				\$ -		
xxxiv		Electrical Design - See CF Electric/Telecom Design Scope and Fee													
xxxv		Lighting - Provided by American StructurePoint													
xxxvi		Landscape Site Plans - Provided by Design Workshop													
xxxvii		Permeable Paver Specifications/Drawings - Provided by Applied Research Associates													
xxxviii		Easement Layout													
b		Contract Documents and Standard Specifications	22	\$3,398.00		2		16	4				\$ 150.00		1000
c		Engineers Opinion of Probable Cost	11	\$1,647.00		1		6	4				\$ -		
d		Construction Project Schedule	2	\$356.00		1		1					\$ -		
e		Engineer's Report	16	\$2,364.00		2		6	8				\$ 150.00		1000
f		Submittals - 1	10	\$1,388.00		1		1	8				\$ 1,500.00		2000
g		Respond to Comments	13	\$1,853.00		1		4	8				\$ -		400
4		Subconsultants / CF Supplemental Disciplines													
a		Survey - Metes and Bounds for Easements - See CobbFendley Scope and Fee (Not in this phase)				0		0					\$ -		
b		Landscape, Lighting, Hardscape, and Public Art - See Design Workshop Scope and Fee	16	\$22,840.00		8			8			\$20,200.00	\$ 250.00		
c		Environmental Services - See Cox McIn Scope and Fee (Not in this phase)				0		0					\$ -		
d		Electric/Telecom Utility Design and Gas Coordination - See CobbFendley Scope and Fee	14	\$27,364.00		8		4	2			\$24,878.00	\$ 9.50	10	25
e		Illumination Design - Provided by American StructurePoint	8	\$7,280.00		2		4	2			\$6,000.00	\$ -		
f		Applied Research Associates (Specifications and Drawings)	8	\$8,206.00		2		4	2			\$6,926.00	\$ -		
g		Structural - Building Wall Stabilization - See CobbFendley Scope and Fee	8	\$8,457.00		4		4	0			\$7,033.00	\$ -		

EXHIBIT 2 - FEE ESTIMATE															
City of San Marcos, Texas															
Kissing Alley Improvements															
June 30, 2021															
					Staff							Civil Subconsultants	Total Expense	Mileage	Printing 8.5x11
			Total Task Hours	Total Task Cost	Principal (Sr PM V)	Project Manager II	Senior Engineer II	Project Engineer II	Project Engineer I	Senior Technician III	Clerical	Sub 1	Expenses cost	per mile	per each
		Professional Service Description													Printing Full Size
					\$278.00	\$201.00	\$227.00	\$155.00	\$129.00	\$170.00	\$82.00	Fee		\$0.58	\$0.15
															\$3.00
		Phase B Design (99/100% Plans - 3 months)	446	\$116,325.00	14	109	16	128	161	5	13	\$44,367.00	\$ 3,003.50		
1		Project Management & QA/QC													
a		Project Management	24	\$5,384.00	3	12					9	\$1,400.00	\$ -		
b		QA/QC - 99/100%	18	\$4,188.00	2		16						\$ -		
c		Monthly Status Reports	3	\$293.00					1		2		\$ -		
2		Meetings											\$ -		
a		Project Coordination Meetings - 2	10	\$1,980.00	2	4		4					\$ 161.00	280	
b		Public Meetings: 2	30	\$15,340.00	2	8		8	8	2	2	\$10,400.00	\$ 783.00	840	100
c		Bi-weekly Coordination Meetings - 6	20	\$3,466.00	2	6		6	6				\$ -		
3		Permitting - City of San Marcos											\$ -		
4		Deliverables											\$ -		
a		100% Plans											\$ -		
i		Cover Sheet - 1 Sheet	3	\$485.00		1		1	1				\$ -		
ii		General Notes	1	\$129.00					1				\$ -		
iii		General Layout - 1 Sheet	2	\$284.00				1	1				\$ -		
iv		Overall Quantity Sheet - 2 Sheets	3	\$485.00		1		1	1				\$ -		
v		Survey - 2 sheets	1	\$129.00					1				\$ -		
vi		Typical Sections - 1 Sheet	5	\$892.00	1	1		1	2				\$ -		
vii		SW3P Plans/EPIC - 1 Sheet	2	\$356.00		1		1					\$ -		
viii		E&S Plans - 2 Sheets	6	\$872.00		1		1	4				\$ -		
ix		E&S Details	5	\$769.00		1		2	2				\$ -		
x		TCP Notes and Narrative - 1 Sheet	6	\$970.00		2		2	2				\$ -		
xi		TCP Plan - 6 Sheets	25	\$3,766.00	1	4		4	16				\$ -		
xii		TCP Details	8	\$1,228.00		2		2	4				\$ -		
xiii		TCP Typical Sections - 1 Sheet	6	\$872.00		1		1	4				\$ -		
xiv		Pavement Removal - 1 Sheet	6	\$872.00		1		1	4				\$ -		
xv		Roadway Layout - 1 Sheet	5	\$769.00		1		2	2				\$ -		
xvi		Roadway P&P - 3 Sheets	12	\$1,919.00	1	2		3	6				\$ -		
xvii		Roadway Grading - 2 Sheets	11	\$1,656.00		2		2	6	1			\$ -		
xviii		Driveway Detail Plans - 2 Sheets	16	\$2,446.00		2		6	6	2			\$ -		
xix		Roadway Detail Sheets	3	\$485.00		1		1	1				\$ -		
xx		Overall Utility Layout Sheet - 1 Sheet	3	\$485.00		1		1	1				\$ -		
xxi		General Water Layout - 1 Sheet	3	\$485.00		1		1	1				\$ -		
xxii		Water P&P - 1 Sheets	7	\$1,027.00		1		2	4				\$ -		
xxiii		Water Plan - 1 Sheet	7	\$1,027.00		1		2	4				\$ -		
xxiv		Water Details	6	\$970.00		2		2	2				\$ -		
xxv		General Wastewater Layout - 1 Sheet	5	\$769.00		1		2	2				\$ -		
xxvi		Wastewater P&P - 3 Sheets	14	\$2,106.00		2		6	6				\$ -		
xxvii		Wastewater Details	3	\$485.00		1		1	1				\$ -		
xxviii		Existing Drainage Area Map -Offsite and Onsite - 1 Sheet	4	\$614.00		1		1	2				\$ -		
xxix		Proposed Drainage Area Map -Offsite and Onsite - 1 Sheet	7	\$1,027.00		1		2	4				\$ -		
xxx		Drainage Calculations - 1 Sheet	4	\$686.00		2		1	1				\$ -		
xxxi		Storm P&P - 3 Sheets	15	\$2,307.00		3		6	6				\$ -		
xxxii		Lateral Profile - 1 Sheet	13	\$1,905.00		1		6	6				\$ -		
xxxiii		Storm Drainage Details	3	\$485.00		1		1	1				\$ -		
xxxiv		Electrical Design - See CF Electric/Telecom Design Scope and Fee													
xxxv		Lighting - Provided by American StructurePoint													
xxxvi		Landscape Site Plans - Provided by Design Workshop													
xxxvii		Permeable Paver Final Deliverables - Provided by Applied Research Associates													
xxxviii		Easement Layout													
b		Contract Documents and Standard Specifications	24	\$3,800.00		4		16	4				\$ 150.00		1000
c		Engineers Opinion of Probable Cost	9	\$1,409.00		2		4	3				\$ -		
d		Construction Project Schedule	3	\$511.00		1		2					\$ -		
e		Engineer's Report	15	\$2,255.00		3		4	8				\$ 150.00		1000
f		Submittals - 2	12	\$1,744.00		2		2	8				\$ 1,500.00		2000
g		Respond to Comments	8	\$1,228.00		2		2	4				\$ -		
5		Subconsultants / CF Supplemental Disciplines													
a		Survey - Metes and Bounds for Easements - See CobbFendley Scope and Fee (Not in this phase)				0		0					\$ -		
b		Landscape, Lighting, Hardscape, and Public Art - See Design Workshop Scope and Fee	16	\$12,740.00		8			8			\$10,100.00	\$ 250.00		
c		Environmental Services - See Cox McInain Scope and Fee (Not in this phase)				0		0					\$ -		
d		Electric/Telecom Utility Design and Gas Coordination - See CobbFendley Scope and Fee	14	\$18,413.00		8		4	2			\$15,927.00	\$ 9.50	10	25
e		Illumination Design - Provided by American StructurePoint	8	\$5,280.00		2		4	2			\$4,000.00	\$ -		
f		Applied Research Associates (Final Deliverables)	8	\$2,018.00		2		4	2			\$738.00	\$ -		
g		Structural - Building Wall Stabilization - See CobbFendley Scope and Fee	4	\$2,514.00		2		2	0			\$1,802.00	\$ -		

EXHIBIT 2 - FEE ESTIMATE																
City of San Marcos, Texas Kissing Alley Improvements June 30, 2021																
					Staff							Civil Subconsultants	Total Expense	Mileage	Printing 8.5x11	Printing Full Size
		Professional Service Description	Total Task Hours	Total Task Cost	Principal (Sr PM V)	Project Manager II	Senior Engineer II	Project Engineer II	Project Engineer I	Senior Technician III	Clerical	Sub 1	Expenses cost	per mile	per each	per sf
					\$278.00	\$201.00	\$227.00	\$155.00	\$129.00	\$170.00	\$82.00	Fee		\$0.58	\$0.15	\$3.00
		END BASIC SERVICES														
		Total Basic Service Hours:	2,024.00		54.00	406.00	67.00	548.00	872.00	26.00	51.00					
		Total Design Services, including Field Services	\$614,392.00													
		Total Bid Services	\$-													
		Total Construction Services	\$-													
		Total Expenses	\$10,010.25													
		Overall Total	\$624,402.25													

The hours listed above are an estimate. The hours assigned to the Phase are not exclusive to the Phase which they are assigned. The total fee will not exceed the total contract amount as discussed in Article 2. The hourly rates of this contract shall apply throughout the remainder of this contract and to all change in services.

Payment to the ENGINEER will be made as follows:

1. Basic Services - The amounts of these invoices will be based upon the extent of work completed by the Engineer on an hourly basis.
2. Supplemental Services - The Engineer will receive approval in writing before performing supplemental services. The amounts of these invoices will be based upon the extent of work completed by the Engineer on a lump sum basis.
3. Reimbursable Expense - Reimbursable expenses including such things as expenses for plotting, reproduction of documents, auto travel mileage (current IRS approved mileage rate), delivery charges, long distance communications, freight, and state accessibility will be invoiced with appropriate backup documentation.

Invoice and Time of Payment

Invoices will be prepared in a format approved by the City prior to submission of the first monthly invoice. Invoices shall be submitted monthly and paid within 30 days.

## Subconsultant Proposals

January 20, 2021

**“Kissing Alley” – Easements Plats and Descriptions – City of San Marcos**

**SITE DESCRIPTION**

The site is considered to be two (2) utility easements within Block 24 of the Original City of San Marcos being south of University Drive, west of N. LBJ Drive, north of E. Hutchinson Street, and east of N. Guadalupe Street, and one (1) temporary construction easement within Block 20 of the Original City of San Marcos being south of E. Hutchinson Street, west of N. LBJ Drive, north of E. Hopkins Street and east of N. Guadalupe Street. See Exhibit “A” attached.

Total of three (3) Plats and Metes and Bounds Descriptions.

**SCOPE OF SERVICES**

**A. Metes and Bounds with Plat:**

- CFA will utilize the boundary survey previously performed by CFA for to prepare a metes and bounds description along with a survey plat, showing the location of two (2) utility easements within Block 24 of the Original City of San Marcos and one (1) temporary construction easement located within Block 20 of the Original City of San Marcos.
- CFA will deliver three (3) signed and sealed descriptions and sketches sealed by a Registered Professional Land Surveyor in the State of Texas for use in the acquisition of these three (3) easements.

**EXCLUSIONS FROM THE SCOPE OF SERVICES**

- Specific items excluded from this proposal are as follows, and CobbFendley shall have no responsibility to perform any of these services.
- Right of Entry will not be required for this survey, as all work will be performed within the obvious (fenced) Right-of-Way limits.
- The survey will not address compliance or assessment of existing utilities, wetland determinations, fault lines and/or environmental assessments that are beyond the surveyor’s expertise.
- Excavation of utilities and Subsurface Utility Engineering.
- Zoning Matters and Platting
- “Standard traffic control” is performed by CobbFendley and is included in our standard rates. “Standard traffic control” can be described as short-term lane closure necessary for manhole entry or access to utility features located in the roadway. Should “NON STANDARD” control be required (lane closures, police officer present, arrow board, etc.) these services will be considered extra.
- Any other service not specifically included within this description of Scope of Services described above

**BASIS OF COMPENSATION**

We propose to perform the described Basic Services for the following fees:

**TOTAL FOR LUMP SUM SURVEY SERVICES -**

**\$5,490.00**

**EXHIBIT “A”**

**Approximate Easement Locations:** Highlighted in Red



## PROJECT DESCRIPTION

The Limit of Work for the Kissing Alley project is reconstruction of mid-block alleys between LBJ and Guadalupe, from Hopkins Street to the cross alley before University Street in San Marcos, Texas, approximately 1,200 feet. This is the pilot project for the City of San Marcos in reconstruction alleyways to more pedestrian-friendly environments, called the Green Alley program.

The landscape scope of work will include landscape, lighting, hardscape and public art. Design Workshop completed the PER/concept phase in the summer of 2020. The design will now be taken into full construction documents and construction observation (tasks will include: 60%,-100% Design, Bidding, and Construction). The three opinions of probable cost developed by Burditt range from \$158,400-\$283,463.

The following narrative describes a comprehensive list of services required to prepare 30%, 60%, 90%, 99% and 100% design documents for the property. Efficiently organizing the work will be essential to completing the project in a timely fashion. While the following narrative is organized in a linear manner, many of the sub-tasks may proceed in a parallel or concurrent fashion.

The scope of work to be performed by Design Workshop (DW) in connection with this agreement is as follows:

### TASK ONE: SCHEMATIC / 30% DESIGN (2 MONTHS)

#### 1.1 PROJECT START-UP

The general objective for this phase of the work is to develop a thorough understanding of the work that has been completed to date, become familiar with the site, and develop a preliminary understanding of the development program.

The specific tasks to be completed are as follows:

1. Meet with the City and consultant team to revisit where the project left off and direction from the City and public feedback to determine design direction.
2. Confirm target site improvement budget with the client.

The following products will be prepared/delivered:

1. Statement of understanding of client's budget to which project will be designed.
2. Meeting notes and written documentation from meetings and site visit.

#### 1.2 SCHEMATIC DESIGN

The general objective for this phase of the work is to prepare design studies and develop an initial understanding of landscape construction costs. Based on the Client approved Conceptual Design Plan and Client stated budget, Design Workshop will prepare a Schematic Design Plan (30% Design).

The specific tasks to be completed are as follows:

1. Research site improvement materials and plant palettes.



2. Develop and test design alternatives.
3. Prepare an overall site plan that clearly illustrates the site development concept, key relationships, planting concepts, site circulation, and the relative disposition of the program on the site.
4. Illustrate schematic site grading and drainage concepts for all areas outside the building(s) including land contouring, walls and drainage in hardscape areas.
5. Prepare a lighting design strategy and develop a schematic landscape lighting scheme for all major landscape areas on the property.
6. Conduct internal Schematic Design Quality Control Reviews for aesthetic and technical content.
7. Based on the Schematic Design plan, prepare an opinion of the range of probable costs. This range is an opinion only and will need to be verified by a retained cost estimation specialist or by a contractor in the bidding and negotiation process.
8. Prepare one (1) illustrative site plan of the preferred alternative.
9. Prepare up to two (2) 3D perspectives of the landscape improvements.
10. Prepare up to four (4) illustrative sections of the preferred alternative.

The following products will be prepared/delivered:

1. Base map based on information provided by the Cobb Fendley at 1" =10' scale.
2. Landscape Site Plan(s) at 1" =10' scale.
3. Up to two (2) Cross Sections / Elevations at 1" =10' scale illustrating the basic landscape intent.
4. Landscape Lighting Plan(s) at 1"=20' scale.
5. Schematic level opinion of probable landscape construction cost.
6. Illustrative plan x 1
7. Illustrative sections x 4
8. 3D renderings x 2
9. Monthly status reports x 2
10. Biweekly meetings via web-call x 4
11. Project coordination meetings via web-call x 2

## TASK TWO: DESIGN DEVELOPMENT / 60% DESIGN (3 MONTHS)

The general objective for this phase of the work is to develop the character and detail of the proposed landscape plan. Based on the Client approved Schematic Design Plan and Client-stated budget, Design Workshop will prepare a Design Development Plan.

The specific tasks to be completed are as follows:

1. Prepare plans, cross sections and elevations for pedestrian and special vehicular pavements, entries, site furnishings and other site elements that are a part of the proposed landscape development and not a part of building structures.
2. Develop site grading and drainage for all areas outside the building footprints including contouring, retaining structures, swales, flow lines and drainage devices. Indicate alignments, elevations, dimensions, materials and details for retaining or freestanding walls, steps, ramps, etc. Ensure that grade transition between architectural floor elevations and exterior elevations is compatible.
3. Prepare planting plans for any landscape areas to illustrate planting composition, plant species, locations and sizes of major planting features. Special attention will be given to ensure that views and solar orientation are accommodated in the solution.
4. Prepare a preliminary landscape lighting scheme for all major landscape areas on the property.
5. Investigate plant availability.
6. Review materials and technical systems with potential fabricators and contractors.
7. Select site development materials and prepare design development details and enlargements.
8. Review Design Development plans with municipal staff.
9. Conduct internal Design Reviews.
10. Conduct internal Design Development Quality Control Reviews for aesthetic and technical content.
11. Based on the Design Development plan, prepare an opinion of the range of probable costs. This range is an opinion only and will need to be verified by a retained cost estimation specialist or by a contractor in the bidding and negotiation process.
12. Coordinate Design Workshop's work with other consultants retained by client.
13. Prepare a draft specification for the above-described landscape elements of the project.
14. Monthly status reports x 3
15. Biweekly meetings via web-call x 6
16. Project coordination meetings via web-call x 2

The following products will be prepared/delivered:

1. Materials Plan(s) at 1"=10' scale.
2. Planting Plan(s) at 1"=10' scale.
3. Composite Sections/Site Cross Sections/Elevations at 1"=10' scale showing the landscape intent.
4. Preliminary Site Lighting Plan(s) at 1"=10' scale.
5. Design Development details and reference sections.
6. Design Development level opinion of probable construction cost.
7. Draft technical specifications. NOTE: Design Workshop services do not include preparing Division 01 Specifications as part of its services. Client shall include Division 01 Specifications adequate for the Project as part of its agreement with its contractor and shall provide Design Workshop with a copy of the Division 01 Specifications.
8. Attendance by Principal and Project Manager at up to two (2) Stakeholder meetings (estimated 2-hour length).

### TASK THREE: CONSTRUCTION DOCUMENTS (90%, 99% DESIGN) (6 MONTHS)

The general objective for this phase of the work is to prepare final documentation drawings that incorporate the most current information regarding construction practices. Based on the Client approved Design Development Plan and Design Development level opinion of probable construction cost, Design Workshop will prepare Construction Documents.

If any contractor, governmental authority, building department, or any other third-party requests or requires that changes be made to the Construction Documents prepared by Design Workshop, then Client shall notify Design Workshop of the same before any such changes are made. In the event Client, Client's contractors or subcontractors, or anyone for whom the Client is legally liable makes or permits to be made any changes to any documents prepared by Design Workshop or its consultants without obtaining Design Workshop's written consent, or in the event of termination of this Agreement consistent with the terms herein, Client shall assume full responsibility for the results of and any damages caused by such changes. Therefore, Client agrees to waive any claim against Design Workshop and to release Design Workshop from any liability arising directly or indirectly from such changes not consented to by Design Workshop. In addition, Client agrees, to the fullest extent permitted by law, to indemnify and hold harmless Design Workshop, including Design Workshop's consultants, from any damages, liabilities or costs, including reasonable attorneys' fees and costs of defense, arising from such changes.

Unless required solely as a result of Design Workshop's failure to follow the applicable laws in place at the time when the 100% Design Development Documents and 100% Bid Documents/Permit Sets were originally prepared, any changes to the design requested or required to be made after Design Workshop's completion of the set of 100% Design Development Documents and 100% Bid Documents/Permit Sets shall be an Additional Service and shall be performed on a time and materials basis.

In the event Client uses Design Workshop's work product without retaining Design Workshop to either finalize the Construction Documents or to perform construction observation services, Client releases Design Workshop and Design Workshop's consultant(s) from all claims and causes of action arising from such uses. Client, to the fullest

extent permitted by law, further agrees to indemnify and hold harmless Design Workshop and its consultants from all costs and expenses, including the cost of defense and attorneys' fees, related to claims and causes of action asserted by any third person or entity to the extent such costs and expenses arise from such use of the documents by Client.

The specific tasks to be completed are as follows:

1. Prepare working drawings and specifications to reasonably conform to applicable codes and regulations of governmental bodies having jurisdiction over the work at the time the work is prepared.
2. Conduct technical work sessions with municipal staff.
3. Coordinate Design Workshop's work with other consultants retained by the Client. Coordinate interdisciplinary Construction Document reviews between the consultants.
4. Review materials and technical systems with potential fabricators and contractors.
5. Conduct internal Construction Document Quality Control Reviews for aesthetic and technical content, and revise plans per reviews.
6. Issue a 90% set of Construction Documents.
7. Issue a 99% set of Construction Documents.
8. Monthly status reports x 6
9. Biweekly meetings via web-call x 12
10. Project coordination meetings via web-call x 2
11. Attendance by Principal and Project Manager at up to two (2) Stakeholder meetings (estimated 2-hour length)
12. Prepare a Preliminary Construction Document-level opinion of probable construction cost.
13. Participate in value engineering sessions.

The following products will be prepared/delivered at 90% and 99% level drawings issue sets:

1. Layout (Horizontal Control) Plans at 1"=10' scale locating vehicular and pedestrian pavements, landscape walls, site furnishings, and other site elements.
2. Materials Plans at 1"=10'scale showing types of vehicular and pedestrian pavement, landscape walls, site furnishings and other site elements.
3. Review the Civil Engineer's grading plans for conformance to Design Workshop's design intent.
4. Planting Plans at 1"=10'scale showing tree, shrub, vine and groundcover locations and a complete plant material schedule.
5. Site lighting Plans at 1"=10'showing type, location, and mounting details for landscape site lighting fixtures. **(circuitry is not included in the contract)**
6. Details and reference sections of the above-described landscape materials with information required for construction, installation, and finishing of landscape components of the project.

7. Construction Document level opinion of probable construction cost.
8. Technical specifications for improvements and/or site features described by the above listed drawings in standard CSI format. **(General Conditions, Special Requirements, Division 00 and Division 01 Specifications General Requirements shall be provided by others.)**

## TASK FOUR: 100% DESIGN AND BIDDING AND NEGOTIATION

The general objective for this phase of the work is to obtain and review bids and assist Client in the selection of a preferred landscape contractor, including, as necessary, assisting the contractor in developing a clear understanding of the project for purposes of preparing construction bids. This work shall occur in the period after the completion of Design Development and prior to awarding a construction contract. Should Value Engineering or incorporation of addenda and other modifications be required after completion of the Bid Documents/Permit Set, Design Workshop will complete necessary changes on a Time and Material (T&M) Basis, with a stipulated cap, agreed upon by the Client, prior to commencing our work.

Client shall include in its agreement with the contractor a warranty on behalf of the contractor that its work will conform to the requirements of the plans and specifications prepared by Design Workshop and any other applicable contract documents. Client shall also include in its agreement with the contractor a requirement that the contractor not deviate from or change Design Workshop's design without prior written approval from Design Workshop. Client shall provide Design Workshop with a complete copy of the executed agreement between Client and the contractor, including all exhibits, specifications, and addenda.

The specific tasks to be completed are as follows:

1. Issue 100% Set created in Task Three as an integrated package with the Civil Construction Documents.
2. Participate in one (1) Pre-Bid conference or Pre-Bid meeting with prospective bidders for work designed by Design Workshop or in conjunction with the work of other consultants.
3. Prepare addenda to the Bid Documents, as clarification is required.
4. Review substitutions and alternatives as requested by the bidders.
5. Attend one (1) meeting with the low bidders on items designed by Design Workshop to review bids and facilitate understanding of the project scope.
6. Participate in value engineering sessions with selected low bidders during negotiation.

## TASK FIVE: CONSTRUCTION OBSERVATION

The general objective for this phase of the work is to provide observation of the landscape construction process for compliance with the drawings and specifications.

Design Workshop will make periodic visits to the site, as specified below, to become familiar with the progress and quality of construction and to determine whether the construction of the landscape work is proceeding in accordance with Design Workshop's design intent and contract documents. During such visits and on based on observations while

at the site, Design Workshop will keep the Client informed of the progress of construction. Design Workshop may recommend rejection of work to the Client if the contractor fails to conform to the contract documents.

Client understands that construction observation is a part of Design Workshop's process and its subconsultants process and enables Design Workshop to observe the construction in progress at appropriate intervals to inform the owner of the progress and quality of the work. Construction observation services also enable Design Workshop to instruct and inform the contractor and owner of any issues observed and create a record of any problems observed. If Client does not retain Design Workshop to perform construction observation services, then Client understands and accepts the risk that the failures by the contractor to properly follow and implement the design intent of the contract documents may be missed.

The specific tasks to be completed are as follows:

1. Attend construction meetings, including pre-construction meeting, with contractor and subcontractors as part of the site visit schedule.
2. Conduct periodic site visits and provide progress reports indicating the progress of the project, quality of construction, specific problem areas and state of completion.
3. Respond to requests for clarifications.
4. Prepare and submit landscape architecture-related construction change directives/supplemental instructions, as needed, for items designed by Design Workshop.
5. Review and approve product submittals, shop drawings, samples, mock-ups and other submissions of the contractor for compliance with Construction Documents.
6. Observe hardscape layouts and quality of workmanship (i.e. paving, walls, steps, specialty features).
7. Observe landscape grading and drainage.
8. Observe location and quality of plant material and installation.
9. Review as-built drawings.
10. Conduct substantial completion walk-through to review contractor punch list.

This proposal includes Professional Service time for up to 8 site visits/construction observation meetings as follows:

Pre-construction meeting	1
Construction Observation and Field Report	5
Substantial completion punch list	1
Final punch list	<u>1</u>
Total site visits	8

Additional meetings shall be approved in writing by the Client and billed as Additional Services.

Design Workshop will endeavor to secure compliance by the Contractor to the landscape plans and specifications. However, Design Workshop will not be responsible for construction means, methods, techniques, sequences or procedures in connection with the work. Design Workshop will not be responsible for the Contractor's errors or omissions or failure to carry out the work in accordance with the contract documents. Any discrepancies shall be brought to the attention of Design Workshop for clarification.

## TASK SIX: PUBLIC MEETINGS

The general objective for this phase of the work is to provide meet with the public to vet ideas and recommendations on the alley design. It is assumed that the meetings will be in-person. Design Workshop will take the lead on organizing the meetings, presentation content, and meeting summaries, with support from Cobb Fendley. If needed, the meetings can be done virtually.

The specific tasks to be completed are as follows:

1. Public Meetings: Six (6) public meetings have been included which consists of preparing exhibits and attending the meeting. The meetings could include City Council, Downtown Business District, Texas State University, or any other stakeholder not to exceed the budgeted amount of 6.
2. Creation of SurveyMonkey surveys, as needed, to follow in-person or virtual meetings. The content will mirror the public meeting questions, with the goal of capturing more feedback. It is assumed that the City will publish the online survey on a City website or through other City mechanisms (i.e., newsletter, social media, contact lists, etc.).
3. Summaries of public feedback, including that from the public meetings and online surveys.

## PROJECT CONDITIONS

1. Client/Client Rep. coordination may need extra time if Design Workshop has to coordinate with multiple stakeholders.
2. Owner project delivery model is assumed to be design-bid-build with single prime General Contractor. Other delivery models may affect Design Workshop fees (Design-Bid-Build, GMP, Design Build, etc.)
3. Site improvements including roads, parking areas, curbs and gutters, underground utilities, final grading and connections to the engineering drainage plan are designed and documented by Civil Engineers.
4. Design Workshop uses Autodesk Civil 3D® for design modeling and drawing production. All CAD products shall be provided to Design Workshop in AutoCAD-compatible formats and Design Workshop shall not be responsible for inaccuracies in such base data or lack of coordination of such. Therefore, BIM modeling and drawing production except in Civil 3D is excluded from Design Workshop's scope.
5. Design Workshop does not perform construction administration, but will observe progress and quality of construction, provide interpretations of design documents and advise the Client accordingly. The term "construction administration" if used in the master agreement shall not apply to Design Workshop or its subconsultants.

## PROJECT EXCLUSIONS

The following exclusions are not part of Design Workshop's base scope of services and shall be considered Additional Services. Design Workshop will endeavor to solicit approval from the client prior to commencing services however failure to obtain prior approval does not inhibit Design Workshop from being compensated at Design Workshop standard hourly rates for producing the associated work.

1. Revisions to site area or project scope of work
  - a. Design and engineering scope of services required because of changes to the Project including but not limited to changes in size or location of project area, quality and complexity, schedule, program, or budget;

2. Additional Graphic Deliverables
  - a. Alternate Design directions and/or alternate solutions after the completion of the schematic design package;
  - b. Preparation of marketing, fundraising, promotional and collateral material such as renderings, graphics, etc. not listed herein;
  - c. Production of fully-rendered 3D (or physical) model or fly-through;
3. Certifications & Permits
  - a. Services in conjunction with permit submissions, applications, entitlements, and/or presentations to regulatory agencies except as defined herein;
  - b. Coordination and documentation of sustainable design requirements, e.g., LEED, Well Building, Living Building Challenge, or SITES, certification unless contracted;
4. Value Engineering
  - a. Value engineering work due to a change in budget allocation or change in budget after approval/ completion of Documents for the Phase;
  - b. Value engineering work related to delivery of the project by a Construction Manager, GC or other such Contractor of the Owner on a "shared savings" basis;
5. Construction Observation (in addition to that indicated in the base scope of services in this agreement)
  - a. Phased document (plans and technical specifications) preparation for phased Construction Observation services, including "early bid" packages except as defined herein;
  - b. Construction observation for discrete projects or items which may begin prior to completion of construction documents;
  - c. Additional time required in the construction observation phase other than the hours defined herein;
  - d. Deductive or additive change orders requested by Client after the completion of construction documents;
  - e. Preparation of record drawings or of measured drawings of existing conditions;
  - f. Rework of design documents due to misinterpretation by the Contractor, or as the result of substitution of product or materials specified;
6. Meetings and Site Visits
  - a. In person, web and site meetings in addition to the number indicated in base scope of services of this agreement;

## SCHEDULE

Design Workshop is prepared to begin when project is expected to begin in January 2021 upon receipt of a signed copy of this proposal from an authorized owner's representative. At this time, the following generalized schedule is anticipated:

- Schematic / 30% Design: 2 months
- Design Development / 60% Design: 3 months
- Construction Document / 90%/99% Design: 6 months
- Bidding and Negotiation: 2 months
- Construction Observation: TBD
- Public Meetings: at milestones throughout duration of project



## FEES AND EXPENSES

### 1. Basic services

Compensation to Design Workshop for the services described herein and in accordance with the conditions of this agreement shall be for a time and materials fee, estimated at \$125,350.

The estimated fees are as follows:

Task One	Schematic Design / 30%	\$21,900
Task Two	Design Development / 60%	\$21,200
Task Three	Construction Documents / 90%, 99%	\$30,300
Task Four	Bidding and Negotiation	\$6,500
Task Five	Construction Observation	\$14,250
Task Six	Public Meetings	\$31,200
<b>Total Professional Fees (labor only)</b>		<b>\$125,350</b>

### 2. REIMBURSABLE EXPENSES

Reimbursable Expenses are in addition to compensation for Basic Services. Reimbursable expenses incurred by Design Workshop and consultants directly related to the project such as, but not limited to, travel, photography, telephone charges, video conference charges, and printing expenses shall be billed at Design Workshop's cost plus five percent (5%). Reimbursable expenses are estimated at \$6,000 for this project.

### 3. ADDITIONAL SERVICES

Services in addition to those described above are to be compensated on a Time and Materials basis per Design Workshop's current published rate schedule. Additional services will include (but are not limited to) redesign of previously approved work, major revisions to program and/or expansion of scope of services. Whenever practical, changes, additions, or modifications to the scope of services shall be authorized by written change request.

## PAYMENT TERMS

1. This is a time and materials contract and will be billed monthly based on the number of hours completed for each phase of the work.
2. Invoices will be mailed from Design Workshop's office by the 10th of each month. Invoicing shall be specific to each major task and will describe the completed portion of the services.

January 12, 2021



**COX | McLAIN**  
Environmental Consulting

Mr. Stanley Fees, P.E.  
CobbFendley  
320 Barnes Drive, Suite 106  
San Marcos, TX 78666

**Re: CMEC Proposal for Environmental Services in support of Kissing Alley Utility Improvement Project - City of San Marcos, Texas**

Dear Mr. Fees:

Cox|McLain Environmental Consulting, Inc. (CMEC) is pleased to submit this proposal to provide environmental services for the above referenced, locally funded project. It is our understanding that the project would consist of utility and roadway improvements including moving overhead power underground, relocating water and sewer, and improving drainage infrastructure. The project area is understood to include Kissing Alley from the north of Hopkins Street to the north of University Drive. CMEC assumes that no direct impacts to adjacent buildings would result.

Given the project area's intersection with the Hays Courthouse Historic District and proximity to the listed Hardy-Williams building, CMEC assumes that initial coordination letters to the Texas Historical Commission (THC) are appropriate for both archeologic and historical resources. This scope of services does not include historic or archeological resource surveys or construction-phase monitoring; however, these services are available under a separate scope and fee, if required. Additional exclusions are indicated in the attached Exhibit A. The results of THC coordination efforts will be summarized, along with other potential environmental impacts and permit commitments, in an Environmental Technical Memorandum.

These services will be provided for a fee not to exceed \$6,807.00, to be billed on a time and materials basis, based on the attached fee spreadsheet. We appreciate the opportunity to work with you on this project. If this agreement is acceptable to you, please sign two copies and return one copy with your original signature for our files.

Sincerely,

L. Ashley McLain, AICP  
Principal

Accepted by:

Approved by:

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(Print Name) for CobbFendley

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(Print Name) for CMEC

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(Date)

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(Date)

TASK DESCRIPTION	PROJECT MANAGER	QA/QC	SR ENVL SCIENTIST II	SR ENVL SCIENTIST I	ENVL PROF II	ENVL PROF I	ENVL STAFF II	ENVL STAFF I	ENVL TECH II	ENVL TECH I	ADMIN/ CLERICAL	TOTAL LABOR HOURS & COSTS
<b>Environmental Services</b>												
<b>Archeology Background Study &amp; THC Coordination Letter</b>	1	2	4		6		4		2			19
Archeology Pedestrian Survey (not included)												0
<b>Historic Resources Background Study &amp; THC Coordination Letter</b>	1	2	4		6		4		2			19
Reconnaissance Survey (not included)												0
<b>Environmental Technical Memorandum</b>	2	2									4	8
Biological Resources		2	1		4		4		2			13
Threatened/Endangered Species Surveys (not included)												
Consultation with USFWS (not included)												
Geologic Assessment (not included)												
Hazardous Materials Summary		2	1		2		4		2			11
Water Resources Summary		2	1		4		2		2			11
Cultural Resources Summary												
<b>HOURS SUB-TOTALS</b>	4	12	11	0	22	0	18	0	10	0	4	81
CONTRACT RATE PER HOUR	\$138.00	\$63.00	\$113.00	\$95.00	\$83.00	\$73.00	\$60.00	\$53.00	\$45.00	\$39.00	\$50.00	
<b>TOTAL LABOR COSTS</b>	<b>\$552.00</b>	<b>\$756.00</b>	<b>\$1,243.00</b>	<b>\$0.00</b>	<b>\$1,826.00</b>	<b>\$0.00</b>	<b>\$1,080.00</b>	<b>\$0.00</b>	<b>\$450.00</b>	<b>\$0.00</b>	<b>\$200.00</b>	<b>\$6,107.00</b>
% DISTRIBUTION OF STAFFING	4.9%	14.8%	13.6%	0.0%	27.2%	0.0%	22.2%	0.0%	12.3%	0.0%	4.9%	
<b>SUBTOTAL (FC 120)</b>												<b>\$6,107.00</b>

DESCRIPTION												TOTAL COSTS BY FC
ENVIRONMENTAL STUDIES AND PUBLIC INVOLVEMENT (FC120)												\$6,107.00
<b>SUBTOTAL LABOR EXPENSES</b>												<b>\$6,107.00</b>
<b>OTHER DIRECT EXPENSES</b>	<b>UNIT</b>	<b># OF UNITS</b>	<b>COST/UNIT</b>									
Lodging/Hotel	day/person		\$80.00									\$0.00
Lodging/Hotel Taxes/fees	day/person		\$20.00									\$0.00
Meals	day/person		\$41.00									\$0.00
Mileage	mile		\$0.575									\$0.00
Standard Postage	letter		\$0.49									\$0.00
Overnight Mail - letter size	each		\$25.00									\$0.00
Overnight Mail - oversized box	each		\$30.00									\$0.00
Courier Services	each		\$25.00									\$0.00
Photocopies B/W (8 1/2" X 11") (approx. 61 sheets x 10 copies/sub x 4 sub)	each		\$0.10									\$0.00
Photocopies B/W (11" X 17") (approx. 260 sheets x avg of 10 copies /submittal * 4sub)	each		\$0.20									\$0.00
Photocopies Color (8 1/2" X 11")	each		\$0.50									\$0.00
Plots (B/W on Bond)	square foot		\$0.50									\$0.00
Plots (Color on Bond)	square foot		\$1.00									\$0.00
Hazardous Materials Database Search	search	1	\$700.00									\$700.00
Geologic Assessment	report		\$3,000.00									\$0.00
Archeology Equipment - Backhoe Operator	day/person		\$1,500.00									\$0.00
CDs	each		\$1.50									\$0.00
<b>SUBTOTAL DIRECT EXPENSES</b>												<b>\$700.00</b>
<b>SUMMARY</b>												
TOTAL COSTS	\$6,107.00											
NON-SALARY (OTHER DIRECT EXPENSES)	\$700.00											
<b>TOTAL PHASE 1</b>	<b>\$6,807.00</b>											

### **Dry Utility Relocation (Electric/Telecom) and Coordination (Gas)**

CobbFendley will perform utility relocation design to combine the San Marcos Electric Utility facilities into a single duct bank with the other telecom utilities in the corridor (Spectrum, Grande, and Centurylink). In addition, CobbFendley will coordinate the relocation of Centerpoint gas. Below is a detailed scope for these services.

#### **Phase A:**

##### **30% Plans and Coordination:**

CobbFendley and Associates, Inc. (CobbFendley) will develop 30% Plans for the client's use and comment. This assumes the 30% plans will take 2 months to complete, excluding City and Stakeholder review time.

1. 30% Electric/Telecom Relocation Plans – Anticipated Sheets and Numbers – The design sheets at 30% level are only plan view and existing ground profile that shows known existing utility crossings. the existing utilities will be schematic until further verified in the field. Profiles of proposed infrastructure will be shown at 60% and beyond. The Plan sheets shall be on 11x17 sheets at 1" = 40' H and 1" = 10' Vertical.
  - a. Electric and Telecommunication Joint Trench Plan – 4 Sheets
  - b. Notes and Details – 4 Sheets
  - c. Construction Cost Estimate – with 25% Contingency
  - d. QA/QC
2. Meetings and Project Management
  - a. Project Coordination Meetings with the Client. Two meetings have been budgeted for this 30% Phase.
  - b. Project Kickoff Meeting (1) for 30% Plans
  - c. Biweekly Phone Calls with team. Up to four (4) bi-weekly phone calls with the project team.
  - d. Meetings with (4) overhead utility providers in the project area to discuss 30% design and design standards.
  - e. Monthly status reports and invoicing
3. Utility Coordination of Gas: Utility adjustment coordination includes utility coordination meetings with individual utility companies, communication and coordination with utilities. All utility coordination activities will be in accordance with City of San Marcos Guidelines. There are five (5) Dry Utilities anticipated along the project corridor, including Spectrum (formerly Time Warner Cable), Grande, East Texas Fiber, Centurylink and Centerpoint. The telecommunication utilities will be coordinated with the electric/telecom design activities. Utility adjustment coordination includes utility relocation verification, status reports and site visits.
  - a. Individual Utility Coordination Meetings. CobbFendley will set-up one (1) utility coordination meeting with the Natural Gas Owner (Centerpoint) to coordinate relocation of existing gas. Coordination meetings include meeting preparation, travel time, meeting and follow up meeting minutes.
4. Deliverables
  - b. Monthly Status Update - Assumes 2 months duration for 30% Plans
  - c. 30% Plans
  - d. Construction Cost Estimate

#### **Phase B:**

##### **Design Phase (60/90/99/100%) Plans and Coordination:**

1. Electric / Telecom Relocation Plans and Deliverables:

- a. 60%/90%/99%/100%: CobbFendley will provide electronic (pdf) copies of plans for review. The plan set will contain the following:
    - i. General Notes – up to 2 Sheets
    - ii. Electric and Telecom Joint Trench – up to 4 Sheets
    - iii. Notes and Details – up to 4 Sheets
  - b. Contract Documents and Standard Specifications: City of San Marcos Division 1 and technical specifications will be used. Project Specific/Special Specifications will be provided by CobbFendley as needed. TxDOT and TMUTCD specifications and details could be incorporated into the project for Traffic Controls.
  - c. Engineer's Opinion of Probable Construction Costs (OPCC) which will include the following contingencies: 60%-15%, 90%-10%, 99%-5%, 100%-0%.
  - d. QA/QC
2. Meetings
- a. Project Meetings: Four (4) project meetings have been budgeted for the Design Phase, following each milestone submittal (60/90/99/100%). These meetings are to include telecom utility providers.
  - b. Public Meetings: Four (4) public meeting have been budgeted which consists of preparing exhibits and attending the meeting. The meetings can include City Council, Downtown Business District, Texas State University, or any other stakeholder not to exceed the budgeted amount of 4.
  - c. Bi-weekly phone calls with the team – up to 24.
  - d. Monthly Status Reports. The dry utility relocation team will provide a monthly status report, including a summary of work completed as well as a status plan set, to the Project Manager. This assumes a 12-month duration.
3. Utility Coordination of Dry Utility:
- a. Individual Utility Coordination Meetings (60% & 90%): CobbFendley will set-up one (1) individual utility coordination meeting with Centerpoint at the 60% and 90% design milestones to coordinate relocation of existing gas line and make the utility company aware of existing/potential conflicts. For dry utilities other than natural gas, CobbFendley will coordinate through the relocation design activities. Individual coordination meetings include meeting preparation, travel time, meeting and follow up meeting minutes.
  - b. Evaluate Relocation Alternatives (60% & 90%): CobbFendley will evaluate alternatives in the adjustment of the Centerpoint facilities, balancing the needs of both the City of San Marcos and the Utility.
  - c. Utility Relocation Plan Review. CobbFendley will review utility relocation plans of Centerpoint to verify they are clear of proposed improvements.

### **Phase C: Bid Phase Services:**

Bidding Phase Services - The bid phase assumes the use of electronic bidding and excludes distribution of plans and addenda to the bidders. These will be handled through the bidding website platform that the City of San Marcos chooses to use.

1. Attend Pre-Bid Meeting: CobbFendley SMEU/Telecom Relocation team will attend the pre-bid conference.
2. Answer Bidder Questions: CobbFendley will coordinate with the City for issuing responses for technical questions and requests for additional information from potential bidders. Assumes 5 questions from contractors related to SMEU and Telecom Relocation Designs.
3. Addenda: CobbFendley will prepare addenda required to clarify, correct or change the bid documents. Addenda will be provided in Adobe .pdf (searchable) format and sealed by responsible

engineer(s). Addenda will be issued to bidders through the City's Purchasing Department or online bidding assistance center. Assumes 1 addenda.

4. Bid Tabulation and Recommendation of Award: CobbFendley SMEU/Telecom design team will review bid items relating to electric/telecom design.
5. Prepare conformed documents of the Project by integrating addenda items in the Construction Plans; include addenda in the bound Project Manual; and issue a "Conformed" set of plans for construction.

#### **Phase D: Construction Phase Services - Assumes 1 year of construction**

1. Attend Pre-Construction Conference: CobbFendley SMEU/Telecom design team will attend a Pre-Construction Conference prior to commencement of work.
2. Submittal Review: CobbFendley will review and approve or take other appropriate action with respect to Shop Drawings and Samples and other data which the Contractor is required to submit, but only for conformance with the information given in the Contract Documents. Such review and approvals or other action will not extend to means, methods, techniques, equipment choice and usage, sequences, schedules, or procedures of construction or to related safety precautions and programs. Ten (10) submittals related to Electric/Telecom design have been assumed, reviewed no more than 2 times.
3. Response to Requests for Information/Modifications: CobbFendley will respond to reasonable and appropriate Contractor requests for information (RFI's) and issue necessary clarifications and interpretations of the Contract Documents to the City as appropriate to the orderly completion of Contractor's work. Five (5) RFI's related to Electric/Telecom design have been assumed.
4. Record Drawings. Prepare record drawings for Electric/Telecom design sheets based on contractor markups and integrating RFIs or other changes to the design plans during construction.
5. Project Closeout. Attend final walk through and assist City with punchlist and project closeout.

#### **Exclusions**

1. Electric cable design
2. Telecommunication cable design
3. Gas Design
4. Construction staking
5. Multiple construction drawing sets due to project phasing
6. Permitting
7. Pole attachment applications
8. Easement acquisition
9. Survey related services

# Kissing Alley - Dry Utility Relocation and Coordination Services

Fee Summary	Principal	Project Mgr III	Senior Engineer	Project Engineer II	Project Engineer I	Sr Utility Specialist (Sr Tech III)	Sr Tech I / Utility Specialist	Technician II	Technician I	Clerical	Total Hours	Task Budget
Subprovider: Cobb, Fendley & Associates, Inc.	\$299.00	\$227.00	\$201.00	\$155.00	\$129.00	\$170.00	\$129.00	\$84.00	\$62.00	\$82.00		
		20%	1%	80%	4%	0%	3%	1%	0%	0%		
<b>Electric / Telecom Relocation Design and Gas Relocation Coordination</b>	<b>0</b>	<b>107</b>	<b>6</b>	<b>427</b>	<b>20</b>	<b>0</b>	<b>14</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>537</b>	<b>\$96,402.00</b>
<b>30% Design (3 months)</b>	<b>0</b>	<b>19</b>	<b>2</b>	<b>53</b>	<b>4</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>82</b>	<b>\$ 13,962.00</b>
1. 30% Electric/Telecom Relocation Design												
a. Plan Sheets (Up to 4)		4		24							28	\$ 4,628.00
b. Notes and Detail Sheets (Up to 4)		1		8							9	\$ 1,467.00
c. Construction Cost Estimate (+/- 25%)												
d. QAQC		3		6							9	\$ 1,611.00
2. Meetings/Project Management												
a. Project Coordination Meetings with COSM (2)		2		2							4	\$ 764.00
b. Project Kickoff Meeting		1		1							2	\$ 382.00
c. Biweekly coordination meetings (4)		2		2							4	\$ 764.00
d. Meetings with telecom utility providers (4)		4		8							12	\$ 2,148.00
e. Monthly status reports and invoicing		2		2							4	\$ 764.00
3. Utility Coordination Meeting with Centerpoint (1)			2		4		4				10	\$ 1,434.00
<b>60% Design (4 Months)</b>	<b>0</b>	<b>23</b>	<b>2</b>	<b>137</b>	<b>8</b>	<b>0</b>	<b>5</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>172</b>	<b>\$ 28,703.00</b>
1. Electric/Telecom Relocation Design												
a. Relocation Plans												
i. General Notes - 2 sheets		1		4							5	\$ 847.00
ii. Plan and Profile Sheets (Up to 4)		4		80							84	\$ 13,308.00
iii. Notes and Detail Sheets (Up to 4)		1		12							13	\$ 2,087.00
b. Specifications (Table of Contents only)		1		3							4	\$ 692.00
c. OPCC (+/- 15%)		1		6							7	\$ 1,157.00
d. QAQC		3		12							15	\$ 2,541.00
2. Meetings/Project Management												
a. Project Meetings (1)		4		8							12	\$ 2,148.00
b. Public Meetings (1)		2		4							6	\$ 1,074.00
c. Bi-weekly coordination meetings (8)		4		4							8	\$ 1,528.00
d. Monthly status reports and invoicing		2		2							4	\$ 764.00
3. Utility Coordination with Centerpoint												
a. Coordination Meeting with Centerpoint			2		4		2				8	\$ 1,176.00
b. Evaluate Relocation Alternatives for Centerpoint				2	2		2	2			8	\$ 994.00
c. Utility Relocation Plan Review for Centerpoint					2		1				3	\$ 387.00
<b>90% Design (5 months)</b>	<b>0</b>	<b>28</b>	<b>2</b>	<b>105</b>	<b>8</b>	<b>0</b>	<b>5</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>150</b>	<b>\$ 24,878.00</b>
1. Electric/Telecom Relocation Design												
a. Relocation Plans												
i. General Notes - 2 sheets		1		1							2	\$ 382.00
ii. Plan and Profile Sheets (Up to 4)		4		48							52	\$ 8,348.00
iii. Notes and Detail Sheets - up to 4		1		4							5	\$ 847.00
b. Specifications		4		16							20	\$ 3,388.00
c. OPCC (+/- 10%)		1		6							7	\$ 1,157.00
d. QAQC		3		8							11	\$ 1,921.00
2. Meetings												
a. Project Meetings (1)		4		8							12	\$ 2,148.00
b. Public Meetings (1)		2		4							6	\$ 1,074.00
c. Bi-weekly coordination meetings (10)		5		5							10	\$ 1,910.00
d. Monthly status reports and invoicing		3		3							6	\$ 1,146.00



Fee Summary	Principal	Project Mgr III	Senior Engineer	Project Engineer II	Project Engineer I	Sr Utility Specialist (Sr Tech III)	Sr Tech I / Utility Specialist	Technician II	Technician I	Clerical	Total Hours	Task Budget
Subprovider: Cobb, Fendley & Associates, Inc.	\$299.00	\$227.00	\$201.00	\$155.00	\$129.00	\$170.00	\$129.00	\$84.00	\$62.00	\$82.00		
3. Utility Coordination with Centerpoint												
a. Coordination Meeting with Centerpoint			2		4		2				8	\$ 1,176.00
b. Evaluate Relocation Alternatives for Centerpoint				2	2		2	2			8	\$ 994.00
c. Utility Relocation Plan Review for Centerpoint					2		1				3	\$ 387.00
99/100% Design (3 months)	0	21	0	72	0	0	0	0	0	0	57	\$ 15,927.00
1. Electric/Telecom Relocation Design												
a. Relocation Plans												
i. General Notes - 2 sheets		1		1							2	\$ 382.00
ii. Plan and Profile Sheets (Up to 4)		1		24							25	\$ 3,947.00
iii. Notes and Detail Sheets - up to 4		1		4							5	\$ 847.00
b. Specifications		2		8							10	\$ 1,694.00
c. OPCC		1		6							7	\$ 1,157.00
d. QAQC		2		8							10	\$ 1,694.00
2. Meetings												
a. Project Meetings (1)		4		8							12	\$ 2,148.00
b. Public Meetings (2)		4		8							12	\$ 2,148.00
c. Bi-weekly coordination meetings (6)		3		3							6	\$ 1,146.00
d. Monthly status reports and invoicing		2		2							4	\$ 764.00
Bid Phase Services	0	5	0	18	0	0	0	0	0	0	23	\$ 3,925.00
1. Pre-Bid Conference		1		2							3	\$ 537.00
2. Respond to Contractor Questions		2		6							8	\$ 1,384.00
3. Prepare Addenda - Assumes 1		1		6							7	\$ 1,157.00
4. Review Bid Tab		1		4							5	\$ 847.00
5. Review Contractor Recommendations		1		2							3	\$ 537.00
Construction Phase Services	0	11	0	42	0	0	0	0	0	0	53	\$ 9,007.00
1. Attend Pre-con		1		1								
2. Submittal Review (Up to 10)		3		10							13	\$ 2,231.00
3. Respond to RFI (up to 5)		5		12							17	\$ 2,995.00
4. Record Drawings		1		16							17	\$ 2,707.00
5. Project Closeout		2		4							6	\$ 1,074.00
Other Direct Expenses												\$ 233.75
Mileage (250 miles x .575)												\$ 143.75
8 1/2 x 11 Copies (B&W) (100 x .15)												\$ 15.00
11 x 17 Copies - (150 x .5)												\$ 75.00
Total												\$96,635.75





AMERICAN  
**STRUCTUREPOINT**  
INC.

January 15, 2021

Mr. Stanley Fees, P.E.  
CobbFendley  
505E. Huntland Drive, Suite 100  
Austin, TX, 78752

Re: San Marcos Kissing Alley

Dear Mr. Fees,

American Structurepoint, Inc., is pleased to provide CobbFendley this proposed scope of services and fee estimate for supplemental services to perform Illumination design for the San Marcos Kissing Alley Project. This proposal is based on information provided to us on November 25, 2020.

After you have reviewed the attached proposed Scope of Services and Fee Estimate, please do not hesitate to call if you have any questions or comments. Thank you for the opportunity to be of service. We are looking forward to continue working with you on this project.

Sincerely,  
American Structurepoint, Inc.

Ricardo Zamarripa, P.E.  
Vice President

ATTACHMENT A  
CITY OF SAN MARCOS  
KISSING ALLEY PROJECT  
SCOPE OF SERVICES

**Project Understanding**

The work to be performed by American Structurepoint. American Structurepoint under this contract will provide Preliminary Engineering (30%) thru final PS&E desing for the Kissing Alley Project. The project consists of the following improvements:

- General Description – Utility and lighting improvements for approximately 900 linear feet of along Kissing Alley between University Drive and Hopkins Street.

**Basic Scope of Services**

**Preliminary Phase (30%) (no change in scope for 30% Phase)**

1. Project Management and QA/QC: This task consists of effort associated with project administration, coordination with the Prime consultant, City staff, coordination and supervision of internal project team, and quality management so that project milestones and deliverables meet schedule and budget constraints.
2. Meetings
  - a. Project Coordination Meetings: One (1) kickoff meeting with Prime Consultant and one internal kickoff meeting.
  - b. Project Meetings: One (1) project meeting has been budgeted for the Preliminary Phase milestone submittal (30%).
3. Tasks
  - a. Illumination
    - a. Photometric Analysis – Prepare 2D Photometric Analysis with Visual Lighting 2017 software or equivalent to meet AASHTO Roadway Lighting Design Guide Illuminance Method for continuous lighting within the project limits.
4. Develop Opinion of Probable Cost for Construction: The opinion of probable cost will be prepared according to the current practices for the City of San Marcos and will include all items of work required for the complete construction of the work.
5. Deliverables:
  - a. 30%: American Structurepoint will provide one (1) pdf electronic copy containing the following:
    - i. Photometric analysis output exhibit.
    - ii. Engineer's Opinion of Probable Construction Costs (OPCC).
    - iii. Preliminary Engineering Report Illumination Section Draft (1-PDF, 1-DOC)
    - iv. Preliminary Engineering Report Illumination Section Final (1-PDF, 1-DOC).

ATTACHMENT A  
CITY OF SAN MARCOS  
KISSING ALLEY PROJECT  
SCOPE OF SERVICES

Design Phase (60/90/99/100%)

1. Project Management and QA/QC: This task consists of effort associated with project administration, coordination with the Prime consultant, City staff, coordination and supervision of the internal project team, and quality management so that project milestones and deliverables meet schedule and budget constraints.
2. Tasks
  - a. General Notes
  - b. Illumination Sheets:
    - a. Illumination Layouts (two (2) 50 scale layout sheets)
    - b. Electrical Service Schedule (included on corresponding layout sheet)
3. Deliverables:
  - a. 60%: American Structurepoint will provide one (1) pdf electronic copy of 11" x 17" plan sets. At a minimum, the plan set will contain the following:
    - i. General Notes
    - ii. Illumination Plan Sheets: Estimated Number of Sheets – two (2).
    - iii. List of Standard Details: City of San Marcos details will be used where available. City of Austin details will be used otherwise.
    - iv. List of Standard Specifications: City of San Marcos Division 1 specifications will be used. City of Austin standard specifications will be used.
    - v. Project Specific/Special Specifications
    - vi. Project Specific/Special Details
    - vii. Engineer's Opinion of Probable Construction Costs (OPCC).
  - b. 60% Comment Response Letter.
  - c. 90%: American Structurepoint will provide one (1) pdf electronic copy of 11" x 17" plan sets. The plan set will also contain the following:
    - i. General Notes
    - ii. Illumination Plan Sheets: Estimated Number of Sheets – two (2).
    - iii. List of Standard Details: City of San Marcos details will be used where available. City of Austin details will be used otherwise.
    - iv. List of Standard Specifications: City of San Marcos Division 1 specifications will be used. City of Austin standard specifications will be used.
    - v. Project Specific/Special Specifications
    - vi. Project Specific/Special Details

ATTACHMENT A  
CITY OF SAN MARCOS  
KISSING ALLEY PROJECT  
SCOPE OF SERVICES

- vii. Engineer's OPCC.
- d. 90% Comment Response Letter.
- e. 99%: American Structurepoint will provide two (2) hard copies of 11" x 17" plan sets and one (1) pdf electronic copy. The plan set will also contain the following:
  - i. General Notes
  - ii. Illumination Plan Sheets: Estimated Number of Sheets – two (2).
  - iii. List of Standard Details: City of San Marcos details will be used where available. City of Austin details will be used otherwise.
  - iv. List of Standard Specifications: City of San Marcos Division 1 specifications will be used. City of Austin standard specifications will be used.
  - v. Project Specific/Special Specifications
  - vi. Project Specific/Special Details
  - vii. Engineer's OPCC.
- f. 99% Comment Response Letter.
- g. Final 100%: American Structurepoint will provide one (1) pdf electronic copy of 11" x 17" plan sets. Upon approval by the City, one (1) pdf copy, and one (1) CAD copy of the sealed plans will be provided.

Phase C – Bid Phase

1. Project Management: This task consists of routine communication with the Prime Consultant/City and other activities associated with managing the project.
2. Answer Questions: American Structurepoint will coordinate with the Prime Consultant/City for issuing responses for technical questions and requests for additional information from potential bidders. One (1) question has been assumed.
3. Addenda: American Structurepoint will prepare addenda required to clarify, correct or change the bid documents. Addenda will be provided in Adobe .pdf (searchable) format and sealed by responsible engineer(s). Addenda will be issued to bidders through the City's Purchasing Department. One (1) addenda has been assumed.

Phase D – Construction Phase

1. Project Management: This task consists of routine communication with the Prime Consultant; managing, manpower, budgets, and schedules; invoicing; and other activities associated with managing the project.
2. Submittal Review: American Structurepoint will review and approve or take other appropriate action in respect to Illumination Shop Drawings and Samples and other data which the Contractor is required to submit, but only for conformance with the information given in the Contract Documents. Such review and approvals or other action will not extend to means, methods,

ATTACHMENT A  
CITY OF SAN MARCOS  
KISSING ALLEY PROJECT  
SCOPE OF SERVICES

techniques, equipment choice and usage, sequences, schedules, or procedures of construction or to related safety precautions and programs. One (1) submittal has been assumed.

3. Response to Requests for Information/Modifications: American Structurepoint will respond to reasonable and appropriate Contractor requests for information (RFI's) and issue necessary clarifications and interpretations of the Contract Documents to the City as appropriate to the orderly completion of Contractor's work. One (1) RFI's have been assumed.
4. Requests for Proposals (RFPS) and Change Orders (COs): American Structurepoint will prepare change orders as necessary. One (1) CO has been assumed.

**Additional Services**

Additional Services to be performed, if authorized in writing by the City, but which are not included in the above-described Basic and Supplemental Scope of Services, and once a mutually agreed upon fee is negotiated are as follows:

1. Researching and selecting appropriate style/brand of luminaire (assume City or Prime engineer will provide approved pedestrian lighting options)

EXHIBIT 3 - FEE ESTIMATE													
City of San Marcos, Texas													
Kissing Alley													
American Structurepoint													
					American Structurepoint Staff							Direct Expenses	
			Total Task Hours	Total Task Cost	Project Manager	QA/QC	Senior Project Engineer	Project Engineer	Sr Tech	Tech	EIT	Mileage @ \$0.58/mile	
		Professional Service Description			\$190.00	\$240.00	\$180.00	\$140.00	\$135.00	\$95.00	\$110.00	Fee	
Design Phase (60/90/99/100%)					98	\$	14,000						
		Project Management	4.5	\$	705	1.5			3				
		Project Accounting and Administration	7	\$	1,080	2			5				
		Coordination with Prime Consultant	6	\$	940	2			4				
		Biweekly coordination meetings (attend 9 of 18)	9.0	\$	1,710	9							
		QC Review and Address QC Comments - 60%	2	\$	480		2						
		QC Review and Address QC Comments - 90%	2	\$	480		2						
		QC Review and Address QC Comments - 99% & 100%	2	\$	480		2						
		Prepare 60% Plans - General Notes	1	\$	125				0.5			0.5	
		Prepare 60% Plans - Illumination Sheets (2 -50 Scale layout sheets including electrical service)	15	\$	1,800				5			10	
		Prepare 60% Plans - List of Standard Details	1.5	\$	180				0.5			1	
		Prepare 60% Plans - Project Specific / Special Details (use non-standard lighting)	5	\$	580				1			4	
		Prepare 60% List of Standard Specifications	1	\$	70				0.5				
		Prepare 60% Project Specific / Special Specifications	1	\$	125				0.5			0.5	
		Prepare 60% OPCC	2.5	\$	290				0.5			2	
		Submit 60% Plans, OPCC, and Schedule (2 hard copies, 1 pdf)	1	\$	110							1	
		60% Comment Response Letter	2	\$	235	0.5			1				
		Prepare 90% Plans - General Notes	0.5	\$	55							0.5	
		Prepare 90% Plans - Illumination Sheets (2 -50 Scale layout sheets including electrical service)	15	\$	1,800				5			10	
		Prepare 90% Plans - Details	1	\$	125				0.5			0.5	
		Prepare 90% Project Specific / Special Specifications	0.5	\$	70				0.5				
		Prepare 90% OPCC	0.5	\$	55							0.5	
		Submit 90% Plans, OPCC, and Schedule (2 hard copies, 1 pdf)	1	\$	110							1	
		90% Comment Response Letter	2	\$	380	2							
		Prepare 99% Plans - General Notes	0.5	\$	55							0.5	
		Prepare 99% Plans - Illumination Sheets (2 -50 Scale layout sheets including electrical service)	10	\$	1,190				3			7	
		Prepare 99% Plans - Details	1	\$	125				0.5			0.5	
		Prepare 99% Project Specific / Special Specifications	0.5	\$	55							0.5	
		Prepare 99% OPCC	0.5	\$	55							0.5	
		Submit 99% Plans, OPCC, and Schedule (2 hard copies, 1 pdf)	1	\$	55							0.5	
		99% Comment Response Letter	1	\$	190	1							
		Prepare 100% Plans, Specifications, OPCC	1.0	\$	125				0.5			0.5	
		Submit 100% Plans, Specifications, OPCC (2 hard copies, 1 pdf)	1	\$	165	0.5			0.5				
Phase C - Bid Phase					5	\$	780						
		Project Management	1	\$	190	1							
		Project Accounting and Administration	1	\$	190	1							
		Answer Contractor Questions (1)	2	\$	275	0.5			0.5			1	
		Addenda (1)	1	\$	125				0.5			0.5	
Phase D - Construction Phase					17	\$	2,910						
		Project Management	2	\$	380	2							
		Project Accounting and Administration	1	\$	190	1							
		Shop Drawings/Submittal Review (1 submittal)	5	\$	690	1			2			2	

EXHIBIT 3 - FEE ESTIMATE												
City of San Marcos, Texas												
Kissing Alley												
American Structurepoint												
					American Structurepoint Staff							Direct Expenses
		Professional Service Description	Total Task Hours	Total Task Cost	Project Manager	QA/QC	Senior Project Engineer	Project Engineer	Sr Tech	Tech	EIT	Mileage @ \$0.58/mile
					\$190.00	\$240.00	\$180.00	\$140.00	\$135.00	\$95.00	\$110.00	Fee
		Requests for Information (RFIs)	8	\$ 1,100	2			2			4	
		Requests for Proposals (RFPS) and Change Orders (COs)	4	\$ 550	1			1			2	
END BASIC SERVICES LABOR												
		Total Basic Service Hours:	123.0		28	6	0	38	0	0	51	
Total Basic Services LABOR					\$ 17,690							
Direct Expenses					\$ -							
		Mileage (\$0.58/mile)	0	\$ -								\$0.00
			0	\$ -								
END												
		Total Direct Expenses	\$ -									
Total Fee Basic + Direct Expenses					\$ 17,690							

The hours listed above are an estimate. The hours assigned to the Phase are not exclusive to the Phase which they are assigned. The total fee will not exceed the total contract amount as discussed in Article 2. The hourly rates of this contract shall apply throughout the remainder of this contract and to all change in services.

**Payment to the ENGINEER will be made as follows:**

1. Basic Services - The amounts of these invoices will be based upon the extent of work completed by the Engineer on an hourly basis.
2. Supplemental Services - The Engineer will receive approval in writing before performing supplemental services. The amounts of these invoices will be based upon the extent of work completed by the Engineer on a lump sum basis.
3. Reimbursable Expense - Reimbursable expenses including such things as expenses for plotting, reproduction of documents, auto travel mileage (current IRS approved mileage rate), delivery charges, long distance communications, freight, and state accessibility will be invoiced with appropriate backup documentation.

**Invoice and Time of Payment**

Invoices will be prepared in a format approved by the City prior to submission of the first monthly invoice. Invoices shall be submitted monthly and paid within 30 days.



May 17, 2021

Mr. Stanley Fees, P.E., CFM, LGPP  
Project Manager  
CobbFendley  
320 Barnes Drive Suite 106  
San Marcos, Texas 78666  
[SFees@cobb fendley.com](mailto:SFees@cobb fendley.com)

Subject: **Proposal for Design and Construction Support Services  
Kissing Alley Permeable Pavement**

Dear Mr. Fees:

Applied Research Associates (ARA), Inc., appreciates the opportunity to submit this brief letter proposal to assist CobbFendley in completing the pavement designs for the permeable pavement planned for Kissing Alley in the City of San Marcos, Texas. It is understood that CobbFendley would like ARA to assist in finalizing the permeable pavement design, participate in design meetings, provide design details, bid/tender elements, construction specifications, bid review, participate in a pre-construction meeting, occasional site attendance during construction and support responses to contractor submittals during construction. Further details on the scope of work are outlined below.

## **1. Pavement Structure Alternative Design**

ARA was retained by the City of San Marcos (COSM) to complete an alternative permeable pavement design for inclusion in the Preliminary Engineering Report (PER) for Kissing Alley between Hopkins Street and Jack's Alley. The draft final preliminary permeable pavement design was submitted as a design memorandum on April 26, 2021. The pavement design included drainage details, traffic and geotechnical information provided by CobbFendley and was completed using the design procedure outlined in the ASCE 68-18 Standard for Permeable Interlocking Concrete Pavements. ARA's involvement in the detailed design portion of the project would include updates to the structural and hydrological design based on CobbFendley's final designs for the project. CobbFendley is to provide the base CAD files for ARA to use in preparing drawings required for permeable paver design in accordance with the COSM requirements.

## **2. Design Details**

Based on the selected pavement design, ARA will provide design details related to the pavement structure including:

- Pavement structure and drainage
- Edge restraint and anchorage details

**APPLIED RESEARCH ASSOCIATES, INC.**  
2217 W. BRAKER LANE ■ AUSTIN, TEXAS 78759  
(512) 521-5008 ■ [WWW.ARA.COM/TRANSPORTATION](http://WWW.ARA.COM/TRANSPORTATION)



- Details for transitions around grates, valve boxes, lids, boxes, etc.
- Pavement layer and material details
- Quantity estimates and costing

CobbFendley is to provide the base CAD files for ARA to use in preparing fill in details such as paver type, color, finish, laying pattern, etc. for inclusion in the draft specification.

### **3. Construction Specifications**

ARA will provide standard material and construction specifications for the permeable pavement portion of Kissing Alley pavement. It is expected that CobbFendley will provide assistance in determining local materials specifications and availability and integrate the permeable pavement specifications into the overall project specifications.

### **4. Design Meetings**

It is understood that design submittals will be provided to the COSM as the 30, 60, 90, 99 and 100 percent completion points and that there will be 2 public meetings and bi-weekly progress meetings during the course of the project. ARA's role will be to support CobbFendley with relevant information on the permeable pavements for the design submittals and participate in one of the 1-hour bi-weekly progress meetings each month for an expected 18-month duration of the project. It is expected that all meetings will be web based. Our fees do not include any allowance for travel costs at this time.

### **5. Construction Administration Support**

Our proposed scope of work for the construction supervision component includes:

- Bid evaluation and support
- Three principal engineer site visits by staff from our Austin/Fort Worth, TX office(s) to attend the pre-pavement construction meeting and progress meetings during construction
- Meeting with on-site construction inspector to discuss observations and recommendations at the beginning of paver installation
- Input related to construction record details and drawings
- Occasional ad-hoc consultations during pavement installation. Includes review of construction activities, material test results, photographs and reporting.

### **6. Price**

The price to complete the work for this project is summarized in the attached table. Fees include all labor, travel and incidental costs. ARA proposes to complete the work on a task/hourly basis with invoices issued on a monthly basis. We will require a signed subcontract agreement in order to commence with the work.

### **7. Permeable Pavement Maintenance Guide/Manual and Training (Optional)**

This optional task consists of the development of an annual maintenance program for the permeable pavements. ARA will develop a suggested maintenance protocols for the pavement, addressing safety

and standard maintenance practices such as cleaning, repairs, restrictions on coatings, use of paint markings and any traffic use restrictions (i.e. heavy loads) as well as maintenance for maximizing water quality benefits. We will also document best appropriate practices for maintaining the infiltration capacity of permeable pavements. The recommendations will be provided in a manual format accompanied by an MS PowerPoint presentation illustrating examples of maintenance needs and appropriate actions so that it can be used as a training tool for City staff. The task would include a half-day training session led by ARA.

## Closure

We appreciate the opportunity to provide you these services and look forward to working with you on this project. If you have any questions or comments, please do not hesitate to contact us.

Sincerely,

**APPLIED RESEARCH ASSOCIATES, INC.**



Lori K. Schaus, MASc., P.Eng.  
Senior Pavement Engineer



William R. Vavrik, Ph.D., P.E.  
Vice-President, Transportation

ARA Price Estimate  
Detailed Design, Construction Support and Maintenance Training  
Kissing Alley Permeable Pavement  
30 Percent Design

Phase/Activity/Time		Rates	PM	PE	SE	JE	Total Hrs	Labor Cost	Mileage	Total
<b>Phase A 30% Plans - 3 Months</b>		<b>2021</b>	<b>167</b>	<b>204</b>	<b>137</b>	<b>92</b>			<b>0.58</b>	
1	Project Mangement & QA/QC									
	a Project Management		1				1	\$ 167.00		\$ 167.00
	b QA/QC - 30%		1				1	\$ 167.00		\$ 167.00
2	Meetings						0	\$ -		\$ -
	a Project Coordination Meetings - 3						0	\$ -		\$ -
	b Kickoff Meeting - 1			2			2	\$ 408.00		\$ 408.00
	c Bi-weekly Coordination Meetings - 6			3	3		6	\$ 1,023.00		\$ 1,023.00
	d Public Meeting -2			2			2	\$ 408.00		\$ 408.00
3	Investigation of Utility Rerouting						0	\$ -		\$ -
	a Preliminary schematic						0	\$ -		\$ -
	b Cost estimate			4	10	8	22	\$ 2,922.00		\$ 2,922.00
4	Design Development Summary Report						0	\$ -		\$ -
5	30% Plans						0	\$ -		\$ -
	a Cover Sheet 0 1 Sheet						0	\$ -		\$ -
	b General Notes - 2 Sheets						0	\$ -		\$ -
	c General Layout - 2 Sheets						0	\$ -		\$ -
	d Survey - 2 Sheets						0	\$ -		\$ -
	e SW3P Plans/EPIC - 1 Sheet						0	\$ -		\$ -
	f Erosion/Sedimentation Controls - 2 Sheets						0	\$ -		\$ -
	g Typical Sections - 1 Sheet						0	\$ -		\$ -
	h Water P&P - 1 Sheet (Plan only)						0	\$ -		\$ -
	i Water Plan - 1 Sheet						0	\$ -		\$ -
	j Wasterwater P&P Sheets (Plan Only)						0	\$ -		\$ -
	k Existing Drainage Area Map - Offsiet and Onsite - 1 Sheet						0	\$ -		\$ -
	l Proposed Drainage Area Map - Offsiet and Onsite - 1 Sheet						0	\$ -		\$ -
	m Storm Drainage Calcs - 1 Sheet						0	\$ -		\$ -
	n Storm Drainage Plans - 3 Sheets (Plan and Profile)						0	\$ -		\$ -
	o Roadway Plans - 3 Sheets						0	\$ -		\$ -
	p Electrical Design						0	\$ -		\$ -
	q Lighting						0	\$ -		\$ -
	r Landscape Site Plans						0	\$ -		\$ -
	s Easement Meets and Bounds						0	\$ -		\$ -
6	List of Standard Specifications			4	8		12	\$ 1,912.00		\$ 1,912.00
7	Construction Cost Estimates						0	\$ -		\$ -
8	Project Schedule						0	\$ -		\$ -
9	Deliverables						0	\$ -		\$ -
	a Monthly Status Update - Assumes 2						0	\$ -		\$ -
	b 30% Plans						0	\$ -		\$ -
	c Design Checklist						0	\$ -		\$ -
10	Subconsultants/CF Supplemental Disciplines						0	\$ -		\$ -
	a Survey - 2 Sheets						0	\$ -		\$ -
	b Landscape						0	\$ -		\$ -
	c Environmental Services						0	\$ -		\$ -
	d Dry Utility						0	\$ -		\$ -
	e Applied Research Associates (Permeable Design/Details)			8	24	16	48	\$ 6,392.00		\$ 6,392.00
							<b>ARA Totals</b>	<b>94</b>	<b>\$13,399.00</b>	<b>\$13,399.00</b>

ARA Price Estimate  
Detailed Design, Construction Support and Maintenance Training  
Kissing Alley Permeable Pavement  
60 Percent Design

Phase/Activity/Time		Rates	PM	PE	SE	JE	Total Hrs	Labor Cost	Mileage	Total
<b>Phase A 60% Plans - 4 Months</b>		<b>2021</b>	<b>167</b>	<b>204</b>	<b>137</b>	<b>92</b>			<b>0.58</b>	
1	Project Mangement & QA/QC									
	a Project Management		1				1	\$ 167.00		\$ 167.00
	b QA/QC - 30%		1				1	\$ 167.00		\$ 167.00
2	Meetings						0	\$ -		\$ -
	a Project Coordination Meetings - 3						0	\$ -		\$ -
	b Kickoff Meeting - 1						0	\$ -		\$ -
	c Bi-weekly Coordination Meetings - 6			4			4	\$ 816.00		\$ 816.00
	d Public Meeting -2						0	\$ -		\$ -
3	Investigation of Utility Rerouting						0	\$ -		\$ -
	a Preliminary schematic						0	\$ -		\$ -
	b Cost estimate				3		3	\$ 411.00		\$ 411.00
4	Design Development Summary Report						0	\$ -		\$ -
5	30% Plans						0	\$ -		\$ -
	a Cover Sheet 0 1 Sheet						0	\$ -		\$ -
	b General Notes - 2 Sheets						0	\$ -		\$ -
	c General Layout - 2 Sheets						0	\$ -		\$ -
	d Survey - 2 Sheets						0	\$ -		\$ -
	e SW3P Plans/EPIC - 1 Sheet						0	\$ -		\$ -
	f Erosion/Sedimentation Controls - 2 Sheets						0	\$ -		\$ -
	g Typical Sections - 1 Sheet						0	\$ -		\$ -
	h Water P&P - 1 Sheet (Plan only)						0	\$ -		\$ -
	i Water Plan - 1 Sheet						0	\$ -		\$ -
	j Wasterwater P&P Sheets (Plan Only)						0	\$ -		\$ -
	k Existing Drainage Area Map - Offsiet and Onsite - 1 Sheet						0	\$ -		\$ -
	l Proposed Drainage Area Map - Offsiet and Onsite - 1 Sheet						0	\$ -		\$ -
	m Storm Drainage Calcs - 1 Sheet						0	\$ -		\$ -
	n Storm Drainage Plans - 3 Sheets (Plan and Profile)						0	\$ -		\$ -
	o Roadway Plans - 3 Sheets						0	\$ -		\$ -
	p Electrical Design						0	\$ -		\$ -
	q Lighting						0	\$ -		\$ -
	r Landscape Site Plans						0	\$ -		\$ -
	s Easement Meets and Bounds						0	\$ -		\$ -
6	List of Standard Specifications			8	12		20	\$ 3,276.00		\$ 3,276.00
7	Construction Cost Estimates						0	\$ -		\$ -
8	Project Schedule						0	\$ -		\$ -
9	Deliverables						0	\$ -		\$ -
	a Monthly Status Update - Assumes 2						0	\$ -		\$ -
	b 30% Plans						0	\$ -		\$ -
	c Design Checklist						0	\$ -		\$ -
10	Subconsultants/CF Supplemental Disciplines						0	\$ -		\$ -
	a Survey - 2 Sheets						0	\$ -		\$ -
	b Landscape						0	\$ -		\$ -
	c Environmental Services						0	\$ -		\$ -
	d Dry Utility						0	\$ -		\$ -
	e Applied Research Associates (Specifications and Drawings)			4	24	12	40	\$ 5,208.00		\$ 5,208.00
							<b>ARA Totals</b>	<b>69</b>	<b>\$10,045.00</b>	<b>\$10,045.00</b>

ARA Price Estimate  
Detailed Design, Construction Support and Maintenance Training  
Kissing Alley Permeable Pavement  
90 Percent Design

Phase/Activity/Time		Rates	PM	PE	SE	JE	Total Hrs	Labor Cost	Mileage	Total
<b>Phase A 90% Plans - 5 Months</b>		<b>2022</b>	<b>171</b>	<b>208</b>	<b>140</b>	<b>94</b>			<b>0.58</b>	
1	Project Mangement & QA/QC									
	a Project Management		1				1	\$ 171.00		\$ 171.00
	b QA/QC - 30%		1				1	\$ 171.00		\$ 171.00
2	Meetings						0	\$ -		\$ -
	a Project Coordination Meetings - 3						0	\$ -		\$ -
	b Kickoff Meeting - 1						0	\$ -		\$ -
	c Bi-weekly Coordination Meetings - 6			5			5	\$ 1,040.00		\$ 1,040.00
	d Public Meeting -2						0	\$ -		\$ -
3	Investigation of Utility Rerouting						0	\$ -		\$ -
	a Preliminary schematic						0	\$ -		\$ -
	b Cost estimate				2		2	\$ 280.00		\$ 280.00
4	Design Development Summary Report						0	\$ -		\$ -
5	30% Plans						0	\$ -		\$ -
	a Cover Sheet 0 1 Sheet						0	\$ -		\$ -
	b General Notes - 2 Sheets						0	\$ -		\$ -
	c General Layout - 2 Sheets						0	\$ -		\$ -
	d Survey - 2 Sheets						0	\$ -		\$ -
	e SW3P Plans/EPIC - 1 Sheet						0	\$ -		\$ -
	f Erosion/Sedimentation Controls - 2 Sheets						0	\$ -		\$ -
	g Typical Sections - 1 Sheet						0	\$ -		\$ -
	h Water P&P - 1 Sheet (Plan only)						0	\$ -		\$ -
	i Water Plan - 1 Sheet						0	\$ -		\$ -
	j Wasterwater P&P Sheets (Plan Only)						0	\$ -		\$ -
	k Existing Drainage Area Map - Offsiet and Onsite - 1 Sheet						0	\$ -		\$ -
	l Proposed Drainage Area Map - Offsiet and Onsite - 1 Sheet						0	\$ -		\$ -
	m Storm Drainage Calcs - 1 Sheet						0	\$ -		\$ -
	n Storm Drainage Plans - 3 Sheets (Plan and Profile)						0	\$ -		\$ -
	o Roadway Plans - 3 Sheets						0	\$ -		\$ -
	p Electrical Design						0	\$ -		\$ -
	q Lighting						0	\$ -		\$ -
	r Landscape Site Plans						0	\$ -		\$ -
	s Easement Meets and Bounds						0	\$ -		\$ -
6	List of Standard Specifications			2	4		6	\$ 976.00		\$ 976.00
7	Construction Cost Estimates						0	\$ -		\$ -
8	Project Schedule						0	\$ -		\$ -
9	Deliverables						0	\$ -		\$ -
	a Monthly Status Update - Assumes 2						0	\$ -		\$ -
	b 30% Plans						0	\$ -		\$ -
	c Design Checklist						0	\$ -		\$ -
10	Subconsultants/CF Supplemental Disciplines						0	\$ -		\$ -
	a Survey - 2 Sheets						0	\$ -		\$ -
	b Landscape						0	\$ -		\$ -
	c Environmental Services						0	\$ -		\$ -
	d Dry Utility						0	\$ -		\$ -
	e Applied Research Associates (Specifications and Drawings)			8	8	16	32	\$ 4,288.00		\$ 4,288.00
							<b>ARA Totals</b>	<b>47</b>	<b>\$ 6,926.00</b>	<b>\$ 6,926.00</b>

## 100 Percent Design

Phase/Activity/Time		Rates	PM	PE	SE	JE	Total Hrs	Labor Cost	Mileage	Total
Phase A 100% Plans - 1 Month		2021	171	208	140	94			0.58	
1	Project Mangement & QA/QC									
a	Project Management		1				1	\$ 171.00		\$ 171.00
b	QA/QC - 30%		1				1	\$ 171.00		\$ 171.00
2	Meetings						0	\$ -		\$ -
a	Project Coordination Meetings - 3						0	\$ -		\$ -
b	Kickoff Meeting - 1						0	\$ -		\$ -
c	Bi-weekly Coordination Meetings - 6			1			1	\$ 208.00		\$ 208.00
d	Public Meeting -2						0	\$ -		\$ -
3	Investigation of Utility Rerouting						0	\$ -		\$ -
a	Preliminary schematic						0	\$ -		\$ -
b	Cost estimate						0	\$ -		\$ -
4	Design Development Summary Report						0	\$ -		\$ -
5	30% Plans						0	\$ -		\$ -
a	Cover Sheet 0 1 Sheet						0	\$ -		\$ -
b	General Notes - 2 Sheets						0	\$ -		\$ -
c	General Layout - 2 Sheets						0	\$ -		\$ -
d	Survey - 2 Sheets						0	\$ -		\$ -
e	SW3P Plans/EPIC - 1 Sheet						0	\$ -		\$ -
f	Erosion/Sedimentation Controls - 2 Sheets						0	\$ -		\$ -
g	Typical Sections - 1 Sheet						0	\$ -		\$ -
h	Water P&P - 1 Sheet (Plan only)						0	\$ -		\$ -
i	Water Plan - 1 Sheet						0	\$ -		\$ -
j	Wasterwater P&P Sheets (Plan Only)						0	\$ -		\$ -
k	Existing Drainage Area Map - Offsiet and Onsite - 1 Sheet						0	\$ -		\$ -
l	Proposed Drainage Area Map - Offsiet and Onsite - 1 Sheet						0	\$ -		\$ -
m	Storm Drainage Calcs - 1 Sheet						0	\$ -		\$ -
n	Storm Drainage Plans - 3 Sheets (Plan and Profile)						0	\$ -		\$ -
o	Roadway Plans - 3 Sheets						0	\$ -		\$ -
p	Electrical Design						0	\$ -		\$ -
q	Lighting						0	\$ -		\$ -
r	Landscape Site Plans						0	\$ -		\$ -
s	Easement Meets and Bounds						0	\$ -		\$ -
6	List of Standard Specifications						0	\$ -		\$ -
7	Construction Cost Estimates						0	\$ -		\$ -
8	Project Schedule						0	\$ -		\$ -
9	Deliverables						0	\$ -		\$ -
a	Monthly Status Update - Assumes 2						0	\$ -		\$ -
b	30% Plans						0	\$ -		\$ -
c	Design Checklist						0	\$ -		\$ -
10	Subconsultants/CF Supplemental Disciplines						0	\$ -		\$ -
a	Survey - 2 Sheets						0	\$ -		\$ -
b	Landscape						0	\$ -		\$ -
c	Environmental Services						0	\$ -		\$ -
d	Dry Utility						0	\$ -		\$ -
e	Applied Research Associates (Final Deliverables)					2	2	\$ 188.00		\$ 188.00
ARA Totals							5	\$ 738.00		\$ 738.00

ARA Price Estimate  
Detailed Design, Construction Support and Maintenance Training  
Kissing Alley Permeable Pavement  
Bid and Construction Support

Phase/Activity/Time		Rates	PM	PE	SE	JE	Total Hrs	Labor Cost	Mileage	Total
<b>Construction Support</b>		<b>2021</b>	<b>171</b>	<b>208</b>	<b>140</b>	<b>94</b>			<b>0.58</b>	
1	Project Mangement & QA/QC									
	a Project Management		1				1	\$ 171.00		\$ 171.00
	b QA/QC - 30%		1				1	\$ 171.00		\$ 171.00
2	Meetings						0	\$ -		\$ -
	a Project Coordination Meetings - 3						0	\$ -		\$ -
	b Kickoff Meeting - 1						0	\$ -		\$ -
	c Bi-weekly Coordination Meetings - 6			1			1	\$ 208.00		\$ 208.00
	d Public Meeting -2						0	\$ -		\$ -
3	Investigation of Utility Rerouting						0	\$ -		\$ -
	a Preliminary schematic						0	\$ -		\$ -
	b Cost estimate						0	\$ -		\$ -
4	Design Development Summary Report						0	\$ -		\$ -
5	30% Plans						0	\$ -		\$ -
	a Cover Sheet 0 1 Sheet						0	\$ -		\$ -
	b General Notes - 2 Sheets						0	\$ -		\$ -
	c General Layout - 2 Sheets						0	\$ -		\$ -
	d Survey - 2 Sheets						0	\$ -		\$ -
	e SW3P Plans/EPIC - 1 Sheet						0	\$ -		\$ -
	f Erosion/Sedimentation Controls - 2 Sheets						0	\$ -		\$ -
	g Typical Sections - 1 Sheet						0	\$ -		\$ -
	h Water P&P - 1 Sheet (Plan only)						0	\$ -		\$ -
	i Water Plan - 1 Sheet						0	\$ -		\$ -
	j Wasterwater P&P Sheets (Plan Only)						0	\$ -		\$ -
	k Existing Drainage Area Map - Offsiet and Onsite - 1 Sheet						0	\$ -		\$ -
	l Proposed Drainage Area Map - Offsiet and Onsite - 1 Sheet						0	\$ -		\$ -
	m Storm Drainage Calcs - 1 Sheet						0	\$ -		\$ -
	n Storm Drainage Plans - 3 Sheets (Plan and Profile)						0	\$ -		\$ -
	o Roadway Plans - 3 Sheets						0	\$ -		\$ -
	p Electrical Design						0	\$ -		\$ -
	q Lighting						0	\$ -		\$ -
	r Landscape Site Plans						0	\$ -		\$ -
	s Easement Meets and Bounds						0	\$ -		\$ -
6	List of Standard Specifications						0	\$ -		\$ -
7	Construction Cost Estimates						0	\$ -		\$ -
8	Project Schedule						0	\$ -		\$ -
9	Deliverables						0	\$ -		\$ -
	a Monthly Status Update - Assumes 2						0	\$ -		\$ -
	b 30% Plans						0	\$ -		\$ -
	c Design Checklist						0	\$ -		\$ -
10	Subconsultants/CF Supplemental Disciplines						0	\$ -		\$ -
	a Survey - 2 Sheets						0	\$ -		\$ -
	b Landscape						0	\$ -		\$ -
	c Environmental Services						0	\$ -		\$ -
	d Dry Utility						0	\$ -		\$ -
	e Applied Research Associates (Bid/Construction Support)		15	23	7		45	\$ 8,329.00	\$ 232.00	\$ 8,561.00
ARA Totals							48	\$ 8,879.00	\$ 232.00	\$ 9,111.00

ARA Price Estimate  
Detailed Design, Construction Support and Maintenance Training  
Kissing Alley Permeable Pavement  
Maintenance Manual and Training

Phase/Activity/Time		Rates	PM	PE	SE	JE	Total Hrs	Labor Cost	Mileage	Total
<b>Maintenance Manual and Training</b>		<b>2022</b>	<b>171</b>	<b>208</b>	<b>140</b>	<b>94</b>			<b>0.58</b>	
1	Project Mangement & QA/QC									
	a Project Management		1				1	\$ 171.00		\$ 171.00
	b QA/QC - 30%		1				1	\$ 171.00		\$ 171.00
2	Meetings						0	\$ -		\$ -
	a Project Coordination Meetings - 3						0	\$ -		\$ -
	b Kickoff Meeting - 1						0	\$ -		\$ -
	c Bi-weekly Coordination Meetings - 6			1			1	\$ 208.00		\$ 208.00
	d Public Meeting -2						0	\$ -		\$ -
3	Investigation of Utility Rerouting						0	\$ -		\$ -
	a Preliminary schematic						0	\$ -		\$ -
	b Cost estimate						0	\$ -		\$ -
4	Design Development Summary Report						0	\$ -		\$ -
5	30% Plans						0	\$ -		\$ -
	a Cover Sheet 0 1 Sheet						0	\$ -		\$ -
	b General Notes - 2 Sheets						0	\$ -		\$ -
	c General Layout - 2 Sheets						0	\$ -		\$ -
	d Survey - 2 Sheets						0	\$ -		\$ -
	e SW3P Plans/EPIC - 1 Sheet						0	\$ -		\$ -
	f Erosion/Sedimentation Controls - 2 Sheets						0	\$ -		\$ -
	g Typical Sections - 1 Sheet						0	\$ -		\$ -
	h Water P&P - 1 Sheet (Plan only)						0	\$ -		\$ -
	i Water Plan - 1 Sheet						0	\$ -		\$ -
	j Wasterwater P&P Sheets (Plan Only)						0	\$ -		\$ -
	k Existing Drainage Area Map - Offsiet and Onsite - 1 Sheet						0	\$ -		\$ -
	l Proposed Drainage Area Map - Offsiet and Onsite - 1 Sheet						0	\$ -		\$ -
	m Storm Drainage Calcs - 1 Sheet						0	\$ -		\$ -
	n Storm Drainage Plans - 3 Sheets (Plan and Profile)						0	\$ -		\$ -
	o Roadway Plans - 3 Sheets						0	\$ -		\$ -
	p Electrical Design						0	\$ -		\$ -
	q Lighting						0	\$ -		\$ -
	r Landscape Site Plans						0	\$ -		\$ -
	s Easement Meets and Bounds						0	\$ -		\$ -
6	List of Standard Specifications						0	\$ -		\$ -
7	Construction Cost Estimates						0	\$ -		\$ -
8	Project Schedule						0	\$ -		\$ -
9	Deliverables						0	\$ -		\$ -
	a Monthly Status Update - Assumes 2						0	\$ -		\$ -
	b 30% Plans						0	\$ -		\$ -
	c Design Checklist						0	\$ -		\$ -
10	Subconsultants/CF Supplemental Disciplines						0	\$ -		\$ -
	a Survey - 2 Sheets						0	\$ -		\$ -
	b Landscape						0	\$ -		\$ -
	c Environmental Services						0	\$ -		\$ -
	d Dry Utility						0	\$ -		\$ -
	e Applied Research Associates (Maintenance Manual and Training)			24	34		58	\$ 9,752.00		\$ 9,752.00
							<b>ARA Totals</b>	<b>61</b>	<b>\$10,302.00</b>	<b>\$10,302.00</b>



ARA Price Estimate  
Detailed Design, Construction Support and Maintenance Training  
Kissing Alley Permeable Pavement  
Total Cost

<b>Phase</b>	<b>Hours</b>	<b>Labor</b>	<b>Expenses</b>	<b>Total Cost</b>
Phase A - 30 Percent	94	\$ 13,399.00	\$ -	\$ 13,399.00
Phase B - 60 Percent	69	\$ 10,045.00	\$ -	\$ 10,045.00
Phase C - 90 Percent	47	\$ 6,926.00	\$ -	\$ 6,926.00
Phase D - 100 Percent	5	\$ 738.00	\$ -	\$ 738.00
<b>Subtotal Design</b>	<b>215</b>	<b>\$31,108.00</b>	<b>\$ -</b>	<b>\$31,108.00</b>
<b>Construction</b>	48	\$ 8,879.00	\$ 232.00	\$ 9,111.00
<b>Manual and Training</b>	61	\$10,302.00	\$ -	\$10,302.00
<b>Totals</b>	<b>324</b>	<b>\$50,289.00</b>	<b>\$ 232.00</b>	<b>\$50,521.00</b>



June 15, 2021

### **STRUCTURAL SCOPE OF SERVICES**

CobbFendley will investigate the required shoring/building stabilization to excavate 8-ft below existing grade from ROW to ROW. The excavation will expose the building foundations and will make the exposed ground under the building foundations unstable. Existing drawings will not be available; therefore, our proposed solution will have to fully carry all building loads without depending on any existing foundations and provide bracing for the soil under the existing perimeter grade beam. Structural analysis will account for fully supporting the existing 2 story buildings on both sides of the alley. We will develop sketches showing alternative along with our recommendations and operations required to lift the buildings to address existing settlement issues. Our recommendations will depend on the existing soil strata, which requires a geotechnical investigation of the location.

## Structural Proposal Kissing Alley Buildings

Design Fee						
Sheet	Hours					Total
	PM II	PE I	Eng Tech II		Clerical	
	\$201.00	\$129.00	\$149.00		\$82.00	
30% Design						
Structural Analysis		34				\$ 4,386.00
Coordination, General Notes & Specs	18					\$ 3,618.00
Shoring/Building Plan & Sections		18	19			\$ 5,153.00
Calculation & Drawing QA/QC	16				5	\$ 3,626.00
Hours Per Person	34	52	19		5	\$ 16,783.00
Design Fee Total =						\$ 16,783.00
Labor Permit Submittal and Coord =						\$730
<b>Total Fee =</b>						<b>\$17,513</b>
60% Design						
Structural Analysis		16				\$ 2,064.00
Coordination, General Notes & Specs	8					\$ 1,608.00
Shoring/Building Plan & Sections		16	8			\$ 3,256.00
Calculation & Drawing QA/QC	8				3	\$ 1,854.00
Hours Per Person	16	32	8		3	\$ 8,782.00
<b>Total Fee =</b>						<b>\$ 8,782.00</b>
90% Design						
Structural Analysis		12				\$ 1,548.00
Coordination, General Notes & Specs	7					\$ 1,407.00
Shoring/Building Plan & Sections		8	8			\$ 2,224.00
Calculation & Drawing QA/QC	8				3	\$ 1,854.00
Hours Per Person	15	20	8		3	\$ 7,033.00
<b>Total Fee =</b>						<b>\$ 7,033.00</b>
99/100% Design						
Structural Analysis						\$ -
Coordination, General Notes & Specs	1					\$ 201.00
Shoring/Building Plan & Sections		3	3			\$ 834.00
Calculation & Drawing QA/QC	3				2	\$ 767.00
Hours Per Person	4	3	3		2	\$ 1,802.00
<b>Total Fee =</b>						<b>\$ 1,802.00</b>
<b>Total Project Fee =</b>						<b>\$35,130.00</b>