

EXHIBIT 1
CITY OF SAN MARCOS
BLANCO GARDENS RIVER ROAD DUCT BANK &
BARBARA DR. ALLEY DRAINAGE IMPROVEMENTS
FINAL DESIGN – SCOPE OF SERVICES

Project Understanding

The work to be performed by Scheibe Consulting, LLC. (Scheibe or the Consultant) under this contract will consist of providing Final Design (30/60/90/100%) Construction Documents (CDs), Bid Phase Services, and Construction Phase Services for the Blanco Gardens River Road Duct Bank and Barbara Dr. Alley Drainage Improvements Project. The project consists of the following proposed improvements:

- River Road Underground Electric Duct Bank – the construction of an approximate 4,000 LF of underground electric duct bank, approximately from the intersection of River Rd. and Animal Shelter Rd. to the San Marcos Electric Utility (SMEU) substation on River Rd. This duct bank is to consist of ten (10) parallel 6” PVC conduits and three (3) 4” PVC conduits all in parallel. At set intervals this duct bank will tie into junction boxes for access and maintenance. This duct bank will tie into a segment of duct bank that is currently under design by Freese and Nichols, Inc. (FNI). This duct bank is assumed to be located within the River Road Right-of-Way (ROW) and will not require easements or additional ROW to construct. If this assumption is found to be inaccurate, then additional services may be required.
- Barbara Dr. Alley Drainage Improvements – the construction of surface drainage improvements along this entire segment of alley that runs parallel and southeast of Barbara Dr. This alley is approximately 1,900 LF in length. This goal of this drainage improvement project is to resolve the flooding and erosion issues that have been identified by City staff. Drainage improvements may include re-grading and re-paving of the alley, and/or the addition of grate inlets and stormsewer improvements, that ultimately tie into the existing stormsewer system located along Bugg Ln.

This project is proposed in proximity to other regional project (designed by Scheibe and others). These adjacent projects are as follows:

- CDBG-DR funded Blanco River “Berm” Project. This project will include the construction of a diversion berm along a portion of the western bank of the Blanco River, along with a large diversion “channel” through City owned property (east / southeast) of the WWTP on Animal Shelter Rd. This project also includes the construction of a berm along Animal Shelter Rd. in close proximity to the proposed underground electric duct bank.
- CDBG-DR funded Blanco Gardens Drainage Improvement Project. This project is to be designed by Scheibe Consulting, and is to include stormsewer improvements, roadway improvements, diversion channel improvements, and miscellaneous utility improvements throughout the portion of this neighborhood that drain to the San Marcos River. A segment of stormsewer improvements (associated with this project) are located along River Rd., in proximity to the proposed underground electric duct bank that is proposed as part of this scope of work.
- COSM WW Force Main Project. This project will consist of a new wastewater force main and underground electric duct bank along River Rd. from the WW lift station (near River Rd. and IH-35) to the WWTP (near the intersection of River Rd. and Animal Shelter Rd.). This proposed force main and electric duct bank associated with this project are in close proximity to the proposed improvements associated with this scope of work.

EXHIBIT 1
CITY OF SAN MARCOS
BLANCO GARDENS RIVER ROAD DUCT BANK &
BARBARA DR. ALLEY DRAINAGE IMPROVEMENTS
FINAL DESIGN – SCOPE OF SERVICES

Basic Scope of Services

I. Design Phase (30%)

1. Project Management: This task consists of effort associated with project administration, coordination with City staff (Engineering and SMEU staff), coordination and supervision of the project team, coordination with City 3rd Party consultants, project meetings, monthly progress reports, and quality management so that project milestones and deliverables meet schedule and budget constraints. Meetings are further defined below:
 - a. Project Meetings: Three (3) in-person project meetings at the City of San Marcos Engineering Department have been budgeted for the Design Phase (30%) of this project. *It is assumed that no public meetings will be required for this phase of the project. If additional meetings are needed, these can be billed at our hourly rates as noted in our fee schedule.*
3. Preliminary Alley H&H Analysis (InfoWorks ICM): Scheibe will enhance the overall Blanco Gardens InfoWorks ICM model to initially evaluate drainage improvement alternatives within the Barbara Dr. Alley. Scheibe will provide a technical memorandum based on this initial alternative analysis prior to moving forward with 30% design modeling and analysis.

Upon approval of a selected drainage improvement alternative, Scheibe will further refine the InfoWorks model based on the 30% design (including re-grading, stormsewer, or other drainage type features). This 30% model will also attempt to take into account known utility information collected from the field survey, realignments made during the 30% design, and the preliminary analysis for up to two (2) culverts or low-water crossings to maintain access to the City owned property. The results of this modeling effort will be used to provide 30% level plan and profile information.

4. Prepare 30% Construction Documents (CDs): Scheibe will prepare 30% construction documents with the goal of providing a cover sheet, project layout sheet, plan and profile sheet (no HGLs), preliminary quantities, preliminary cost estimate, and an updated project schedule (if necessary). Construction documents will be provided to the City for review. At the request of the City, these preliminary documents may also be distributed to other consultant teams working on projects in proximity to this project (if needed).

Design Phase (30%) Deliverables:

- Monthly Status Report: Scheibe will provide a monthly status report, including a brief summary of work completed as well as a status plan set.
- 30% Design Construction Plans: Scheibe will provide one (1) pdf electronic copy (22" x 34" sheets).

II. Design Phase (60/90/100%)

5. Project Management: This task consists of effort associated with project administration, coordination with City staff, coordination and supervision of the project team, project meetings, monthly progress report, and quality management so that project milestones and deliverables meet schedule and budget constraints. Meetings are further defined below:

EXHIBIT 1
CITY OF SAN MARCOS
BLANCO GARDENS RIVER ROAD DUCT BANK &
BARBARA DR. ALLEY DRAINAGE IMPROVEMENTS
FINAL DESIGN – SCOPE OF SERVICES

- a. Project Meetings: Four (4) in-person project meetings at the City of San Marcos Engineering Department have been budgeted for the Design Phase (60/90/100%) of this project. *It is assumed that no public meetings will be required for this phase of the project. If additional meetings are needed, these can be billed at our hourly rates as noted in our fee schedule.*
6. Final Alley H&H Analysis (InfoWorks ICM): Scheibe will enhance the 30% Design InfoWorks ICM model to include more refined drainage improvements associated with the 60/90/100% design for the Barbara Dr. alley improvements. The results of this modeling effort will be used to provide 60/90/100% level plan and profile construction document information.
7. Prepare 60/90/100% Construction Documents (CDs): Scheibe will prepare 60/90/100% construction documents for this project. These CDs will include cover sheet updates, project layout sheet, demolition sheet, plan and profile sheet (no HGLs), design for two (2) culvert/roadway crossings of the diversion channel, temporary erosion control plan, SWPPP, detail sheets, quantities, cost estimate, and an updated project schedule (if necessary). Construction documents will be provided to the City for review at 60%, 90%, and 100%. At the request of the City, these documents may also be distributed to other consultant teams working on projects in proximity to this project (if needed). It is assumed for this effort that these construction documents will be subsidiary to the overall Blanco Gardens Drainage Improvement Project CDs (currently underway by Scheibe).
8. Project Specifications: Scheibe will prepare project specifications for this design at the 100% CD submittal. These specifications will be based primarily on the City of San Marcos and SMEU specifications, and/or nearby City specifications (tailored to the needs of this project). Scheibe will work closely with the City Project Manager and SMEU to ensure all project specifications meet the needs of the city for this project.

Design Phase (60/90/100%) Deliverables:

- Monthly Status Report: Scheibe will provide a monthly status report, including a brief summary of work completed as well as a status plan set.
- 60% Design Construction Plans: Scheibe will provide one (1) pdf electronic copy (22" x 34" sheets).
- 90% Design Construction Plans: Scheibe will provide one (1) pdf electronic copy (22" x 34" sheets).
- 100% Design Construction Plans: Scheibe will provide one (1) pdf electronic copy (22" x 34" sheets). This submittal will also include a submittal of the project specifications for review.
- InfoWorks ICM Model for this project area (at 100% design)

III. Bid Phase

9. Project Management: This task consists of effort associated with project administration, coordination with City staff, coordination and supervision of the project team, coordination with City 3rd Party consultants, project meetings, and monthly progress report. Meetings are further defined below:

EXHIBIT 1
CITY OF SAN MARCOS
BLANCO GARDENS RIVER ROAD DUCT BANK &
BARBARA DR. ALLEY DRAINAGE IMPROVEMENTS
FINAL DESIGN – SCOPE OF SERVICES

- a. Project Meetings: One (1) in-person project meeting at the City of San Marcos Engineering Department, one (1) pre-bid meeting at the City of San Marcos Engineering Department (or other place as deemed necessary), and one (1) bid opening meeting at the City of San Marcos Engineering Department (or other place as deemed necessary). Scheibe will prepare a presentation at the pre-bid meeting to assist with presenting the overall project to interested contractors. *If additional meetings are needed, these can be billed at our hourly rates as noted in our fee schedule.*
10. Bid Package: This task will include compilation additional bid package materials needed to supplement the overall Blanco Gardens Drainage Improvement Project Bid Documents, for posting of the bid. Scheibe will utilize the City's standard bid document and incorporate the unique project information into this basic format. *If the City does not have a bid document format, then Scheibe can customize one for an additional scope and fee.*
11. RFIs / Addendums: Scheibe has budgeted for two (2) minor RFIs during the bid process, and one (1) minor addendum to the plans. *If the City desires any major addendums, or if RFIs exceed a reasonable amount, then additional scope and fee may be necessary.*

Bid Phase Deliverables:

- Monthly Status Report: Scheibe will provide a monthly status report, including a brief summary of work completed, as well as a status plan set.
- Bid Package for posting of bid documents.
- Assistance with final selection of contractor.

IV. Construction Phase

12. Project Management: This task consists of effort associated with project administration, coordination with City staff, coordination and supervision of the project team, project meetings, and monthly progress report. Meetings are further defined below:
 - a. Project Meetings: One (1) in-person pre-construction meeting at the City of San Marcos Engineering Department or on-site (and with the selected contractor), and one (1) project close-out meeting at the City of San Marcos Engineering Department (or other place as deemed necessary). *If additional meetings are needed, these can be billed at our hourly rates as noted in our fee schedule.*
13. RFIs: This task will include (during construction) RFI reviews and responses. For budgeting purposes, it is assumed that there will be four (4) RFI submittals for this project.
14. Submittal Reviews: This task will include submittal reviews for various submittals and test results provided by the contractor. It is assumed that the Contractor or City staff will provide all testing for this project (if necessary). For budgeting purposes, it is assumed that the contractor will provide four (4) submittals for Scheibe staff to review.

EXHIBIT 1
CITY OF SAN MARCOS
BLANCO GARDENS RIVER ROAD DUCT BANK &
BARBARA DR. ALLEY DRAINAGE IMPROVEMENTS
FINAL DESIGN – SCOPE OF SERVICES

15. Site Inspections: This task will include field inspections of this project by Scheibe staff. These inspections are anticipated to occur every other week for a six (6) month duration. It is assumed that the construction for this project will occur within a six (6) month time window. Should this assumption be incorrect, then additional fee may be necessary to continue site inspections. At the end of each site inspection, Scheibe will prepare an inspection memorandum documenting the findings, issues, and photos from the inspection. This information will be made available to City and contractor for review.
16. Pay Application Reviews: This task will include the review of monthly pay applications provided by the contractor. Scheibe will review pay applications relative to evidence in the field from the site inspections. Scheibe will provide comments to the City for consideration prior to payment of funds to the contractor. It is assumed that the construction for this project will occur within a six (6) month time window. Should this assumption be incorrect, then additional fee may be necessary to continue site inspections.
17. Close-Out Walk-Thru: This task will include two (2) final “walk-thru’s” of the project. Scheibe will provide a punch-list for the contractor to work through, and will follow-up with a second and final walk-through to confirm that the contractor completed all punch-list items. Upon confirmation that the contractor resolved all punch-list items, Scheibe will issue a final concurrence letter to the City.

Construction Phase Deliverables:

- Monthly Status Report: Scheibe will provide a monthly status report, including a brief summary of work completed as well as a status plan set.
- Site Inspection Memorandums.
- Pay Application Reviews.
- Punch-List.
- Final Concurrence Letter/Memo.

SUPPLEMENTAL SCOPE OF SERVICES *(additional authorization required)*

The Scheibe Team shall provide Supplemental Services at the written request of the COSM. The written request must include a description of the work requested, a mutually agreed upon time limit, and any special instructions for coordination and submittal. These services shall include the following:

- SS-1. Traffic Control Plan (2-Phase Approach): Should a second phase of TCP be required; the Engineer shall develop plan sheets for the proposed additional phase of the traffic control plan (TCP) for the full project limits as defined in this Scope of Work. All traffic control measures will be in accordance with COSM, TxDOT and Texas Manual on Uniform Traffic Control Devices (TMUTCD) requirements. The Engineer shall supplement the written narrative of the construction sequencing and work activities for one (1) additional phase and determine the existing and proposed traffic control devices to be used to handle traffic during the additional phase. The Engineer shall show temporary roadways and detours required to maintain lane continuity throughout the additional

EXHIBIT 1
CITY OF SAN MARCOS
BLANCO GARDENS RIVER ROAD DUCT BANK &
BARBARA DR. ALLEY DRAINAGE IMPROVEMENTS
FINAL DESIGN – SCOPE OF SERVICES

phase. The Engineer shall develop the TCP to provide continuous, safe access to each adjacent property during the one (1) additional phase of construction and to preserve existing access. The Engineer shall supplement the Sequence of Work Narrative Sheet for the one (1) additional phase, and prepare Traffic Control Typical Section Sheets, Traffic Control Layout Sheets, and Detour Sheets, as needed, for the one (1) additional phase. The Engineer shall supplement the Estimate of Construction Duration for the one (1) additional phase.

Project Schedule

Reference **Exhibit B: Blanco Gardens Drainage Improvements Project Schedule - Revised – DRAFT**. The estimated timeframes identified attempt to account for City reviews of submittals, but are approximate and may change depending on City staff allocations.

City Responsibilities

1. The City will provide to Scheibe all data in the City's possession relating to Scheibe's services on the Project. Scheibe will reasonably rely upon the accuracy, timeliness, and completeness of the information provided by the City.
2. The City will give prompt notice to Scheibe whenever the City observes or becomes aware of any development that affects the scope or timing of Scheibe's services.
3. The City will assist Scheibe with coordination of utility providers that have infrastructure within the project limits.
4. The City will assist Scheibe with coordination between other consultants and known projects within proximity of this project.
5. The City will examine information submitted by Scheibe and render in writing or otherwise provide comments and decisions in a timely manner.
6. The City will obtain all necessary right-of-entries from required landowners.
7. The City will provide Title Reports for properties with proposed easements.
8. 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.
9. The City will provide field survey and Subsurface Utility Engineering (SUE) services for this project, through a third (3rd) party firm. City consultant will conduct a topographic, right-of-way, tree, and Subsurface Utility Engineering (SUE) survey for the yellow highlighted areas (noted as "Area C" and "Area D") shown in the attached **Exhibit A**, for the purpose of SC preparing Design Documents.

EXHIBIT 1
CITY OF SAN MARCOS
BLANCO GARDENS RIVER ROAD DUCT BANK &
BARBARA DR. ALLEY DRAINAGE IMPROVEMENTS
FINAL DESIGN – SCOPE OF SERVICES



Exhibit A: Topographic and ROW Survey limits.

Surveying services shall include the following:

- Horizontal datum is based on GPS observations to National Geodetic Survey Continuously Operating Reference Stations (CORS), Texas Coordinate System NAD83 (2011) Epoch 2010.0, South Central Zone, in US Survey Feet. Final coordinate values will be processed to Surface values with a scale factor of 1.00011.
- Surveyor shall establish project control, and set project benchmarks along survey corridors. Vertical datum can be based upon GPS observations to NGS CORS stations using NAVD88 datum, and orthometric heights computed using Geoid 12A.
- **Proposed Survey (Area C):** Perform design topographic survey within River Road from back of curb line to back of curb line, on 50 feet intervals, the limits being from the driveway entry to duplex complex on Vanessa Street 200' northeasterly of the intersection of Old Martindale Road to a point 100 feet northeasterly of the southwesterly entrance to a trailer park complex on the southeasterly edge of River Road limits. (approximately 1700 LF.)
- **Proposed Survey (Area D):** Perform design topographic survey within the apparent right of way lines of the alley way south of Barbara Road from the intersection of the alley way with Bugg Lane southwesterly 1200 LF to match into area of topographic survey, completed previously. The survey will also include a portion of the alley way running northwesterly 200 LF into Barbara Road from end of alley way. (Approximately 1400 LF total).
- Locate visible and apparent physical features within River Road and alley way, including but not limited to grade breaks, pavement markings, curbs, driveways, sidewalks, steps, ramps, docks, fences, walls, buildings, stairs, railings, signs, utility meters, fire hydrants, utility valves,

EXHIBIT 1
CITY OF SAN MARCOS
BLANCO GARDENS RIVER ROAD DUCT BANK &
BARBARA DR. ALLEY DRAINAGE IMPROVEMENTS
FINAL DESIGN – SCOPE OF SERVICES

power poles, light poles, manholes, clean-outs, pull boxes, inlets, drains, drainage features, water meters and culverts.

- Provide top of nut elevation of water and gas valves if accessible. Provide spot elevations at top of accessible utility manhole covers. Provide invert elevation of manhole, size and elevation of pipes entering or exiting manhole and direction of flow of accessible sewer and storm drainage structures within the limits of the survey where doing so does not require entering a confined space structure.
- Locate and tag existing hardwood trees with point identification number minimum of 6 inches diameter, noting species.
- Prepare tree identification report listing identification number, diameter and species.
- Prepare a Digital Terrain Model and depict contours at 1' intervals. Include spot elevations (on an approximate 50-foot grid) to the nearest 0.01 foot on paved or hard surfaces, and to the nearest 0.10 foot on non-paved surfaces (i.e. grass, base of existing trees).
- Survey drawing will be submitted in electronic format (MicroStation).

RIGHT OF WAY SURVEY

Records Research and Deed Study

Surveyor will perform a ROW survey along the alignments of Areas C and D. Upon notice to proceed, Surveyor will conduct research to confirm property ownership for the properties fronting River Road and the alley way within the project area. Concurrently, copies of the current deeds and any plats for the properties will be obtained from the County Clerks' records. Surveyor anticipates that Title Commitments, Title Reports, and any other form of records research beyond obtaining current deeds and plats will be provided by others.

Field Surveys

Surveyor will recover monuments marking the existing ROW lines (if any) and the front corners of the properties and will tie to the project control.

Boundary Analysis

Utilizing the deed study and the data from the field survey, Surveyor will analyze the results of the survey and perform computations related to the analysis. Location of the existing ROW lines and the side property lines of each of the subject properties will be determined by Surveyor and depicted on the base map. Surveyor will develop a base file showing ownership of the subject properties. Properties adjacent to the existing/proposed right of way within the project limits will be labeled with the owner's name and deed recordation information and depicted on the base map.

SUBSURFACE UTILITY ENGINEERING (SUE)

The following SUE specific statements and assumptions have been made in the development of the lump sum fee. If these assumptions do not prove correct, a modification to the scope and budget for this project may be required.

- Surveyor will provide Subsurface Utility Engineering (SUE) Quality Levels B within the areas

EXHIBIT 1
CITY OF SAN MARCOS
BLANCO GARDENS RIVER ROAD DUCT BANK &
BARBARA DR. ALLEY DRAINAGE IMPROVEMENTS
FINAL DESIGN – SCOPE OF SERVICES

shown as Proposed Survey (“Areas C” and “D”) on **Exhibit “A”**, within River Road from back of existing curb line to back of existing curb line and the alleyway within fenceline to fenceline or apparent right of way.

- It is assumed that all areas of the project lie within public Right of Way. The Client will be responsible for providing right of entry and access for any requested project areas that may lie within private property.
- The accuracy of subsurface data can be influenced by factors beyond Surveyor's control such as conductivity of materials and their surroundings, soil moisture content, proximity of other underground utilities or structures, depth of utility, etc. Therefore, only the accuracy of data obtained by actual physical verification (through vacuum excavation or otherwise) can be guaranteed to applicable engineering and/or surveying standards.
- Paint markings placed on the ground by Surveyor are to be used for design purposes only and not for construction purposes. The use of QL-B information provided does not relieve any contractor or the Client from the duty to comply with applicable utility damage prevention laws and regulations, including, but not limited to, giving notification to utility owners or One-Call centers before excavation.
- Non-metallic piping, inactive electric, and/or communication lines may or may not be found by electromagnetic, sonic, or acoustical designating practices.
- The Client will provide Surveyor with all record information and profile drawings of utilities within the project site that the Client has already collected.
- The Client will be the liaison for the Survey field crews to access the Project Work Area.
- Due to the presence of utility manholes within the roadway of River Road, Surveyor assumes that special traffic control measures will be required to complete the utility designation work.
- Surveyor will provide Subsurface Utility Engineering (SUE) Quality Level (QL-A) at up to ten (10) specified locations as requested by the Client within the project area.
- It should be assumed that pavement coring will be required at the ten (10) selected test hole locations.
- Surveyor shall assume a 2nd mobilization back to the project site, once the 10 test hole location have been selected.

Surveyor will provide all the following Subsurface Utility Engineering (SUE) services to the standard of care applicable in the Subsurface Utility Engineering (SUE) profession. The services meet the standard guidelines of ASCE C-I 38-02 circular for “Standard Guideline for the Collection and Depiction of Existing Subsurface Utility Data.”

Quality Service Level D (QL-D) – Collect existing utility records information (as-builts) from utility providers, municipalities, counties, and other agency suppliers within the area of investigation. These utilities could include electrical, telephone, cable TV, fiber optic, gas, petroleum, water, wastewater, steam, and storm drain systems.

Surveyor shall attempt to contact utility providers and other agency suppliers identified through the easement information, Texas One-Call systems, and via vehicle reconnaissance and inventory of utility marker posts along adjacent roadways. The sole purpose of this activity is to collect existing records of utility systems that may have an impact on this project. Any

EXHIBIT 1
CITY OF SAN MARCOS
BLANCO GARDENS RIVER ROAD DUCT BANK &
BARBARA DR. ALLEY DRAINAGE IMPROVEMENTS
FINAL DESIGN – SCOPE OF SERVICES

utility that is found in the field, by use of designating geophysical equipment and is not evident on any collected record information, will be shown in the QL-B utility file as an “unknown” utility as required by ASCE CI 38-02.

Quality Service Level C (QL-C) – Survey crew will provide this service consisting of field surveying to obtain accurate horizontal position of visible utility surface features associated with the underground utility systems located within the project limits.

Quality Level B (QL-B) Designating Service (Horizontal Location of Utilities) – Designating is to indicate, by marking with paint, the presence, and approximate horizontal location of subsurface utilities using geophysical prospecting techniques including, without limitations, electromagnetic, sonic, and acoustical techniques. Surveyor will provide the following designating services to aid the Client in the design of site, ROW, construction plans, or project development plans, or for other purposes as agreed to by the parties. Surveyor will:

- Provide QL-B within the project limits as previously stated.
- Provide all equipment, personnel, and supplies required for performing toning services. Surveyor shall determine which equipment, personnel, and supplies are required to perform these toning service.
- Designate the existing underground utilities, which may consist of water, wastewater, gas, petroleum pipelines, telephone, fiber optics, cable TV, and electrical utilities within the project area previously described.
- Conduct appropriate investigation of site conditions.
- Mark the utilities on the ground to be surveyed.
- Analyze and correlate all of the field-collected information with the collected record
- information for ensuring continuity of the information collected. Resolve conflicts with Level D, C, and B information.

DELIVERABLES

SUE Deliverables

A digital CAD file depicting the QL-B Subsurface Utility Engineering for utilities investigated within the project area, will be prepared for this project in MicroStation format. The file will clearly identify all utilities discovered from QL-D and QL-C investigation that could not be collected in the field as QL-B information. These utility lines will have a unique line style and symbology in the SUE plan deliverables. The utilities will be referenced by the type of utility, color coded to American Public Works Association standards, utility company or agency name, address, telephone number and contact person.

Survey Deliverables

- A digital CAD file depicting the results of the Topographic Survey (MicroStation format)
- Provide DTM model in MicroStation format
- Field book copies in PDF format
- ASCII points list

EXHIBIT 1
CITY OF SAN MARCOS
BLANCO GARDENS RIVER ROAD DUCT BANK &
BARBARA DR. ALLEY DRAINAGE IMPROVEMENTS
FINAL DESIGN – SCOPE OF SERVICES

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 Geotechnical Investigation or Subsurface Utility Engineering “Pot Holing”.
2. Performing Pavement Design.
3. Performing title searches for easement or joint-use agreement preparation.
4. Preparation of additional easement/ boundary exhibits beyond the number identified in the Scope of Services.
5. Acting as an agent of the City in the acquisition of permanent or temporary easements.
6. Preparation of platting documents and/or real property survey for site acquisition.
7. Accompanying the City when meeting with the TCEQ, U.S. Environmental Protection Agency, or other regulatory agencies during the course of the Project, beyond those meetings identified above.
8. Preparing applications and supporting documents for government grants, loans, or planning advances.
9. 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.
10. Providing professional services associated with the discovery of any hazardous waste or materials in the project site.
11. Modifications to the design based on cultural resource findings as a direct result of this project or any adjacent project.

EXHIBIT 3 - FEE SCHEDULE
City of San Marcos, Texas
Blanco Gardens River Road Duct Bank & Barbara Dr. Alley Drainage Improvements

	Professional Service Description	Total Task Hours	Total Task Cost	Staff								Expenses	Survey Subconsultants	Traffic Subconsultants
				Project Manager	Senior Engineer	Engineer III	Engineer II	Engineer I	EIT II	EIT I	Clerical Staff		N/A (City to Provide 3rd Party Survey Services)	Aguirre & Fields
				\$220.00	\$180.00	\$145.00	\$135.00	\$125.00	\$115.00	\$100.00	\$75.00	Fee	Fee	Fee
Design Phase (30%)		255	\$ 33,460											
1a	PM - Coordination with Third Party Consultants	18	\$ 2,280	2					16					
1b	PM - QC Review and Address QC Comments - 30%	20	\$ 2,560		4				16					
1c	PM - Project Accounting and Administration	3	\$ 370	1							2			
1d	PM - Meetings: (3) Project	18	\$ 3,515	9					9			\$ 500.00		
1e	PM - Prepare Monthly Status Report (2)	7	\$ 910	1					6					
3	Preliminary Alley H&H Analysis (InfoWorks ICM)	33	\$ 4,940	1	16				16					
4a	Prepare 30% Plans - Cover Sheet	4	\$ 565	1					3					
4b	Prepare 30% Plans - Project Layout Sheet	17	\$ 2,060	1					16					
4c	Prepare 30% Plans - Alley Regrading Plan and Profile Sheets (22 x 34 @ 1":20') (4 sheets)	34	\$ 4,010	1.5					32					
4c	Prepare 30% Plans - Duct Bank Plan and Profile Sheets (22 x 34 @ 1":20') (8 sheets)	66	\$ 7,690	1.5					64					
4d	Prepare 30% Plans - Quantities / Cost Estimate	26	\$ 3,200	2					24					
4e	Prepare 30% Construction Project Schedule	10	\$ 1,360	2					8					
Design Phase (60/90/100%)		535	\$ 87,582											
5a	PM - Coordination with Subconsultants & Third Party Consultants	20	\$ 2,720	4					16					
5b	PM - QC Review and Address QC Comments - 60/90/100%	30	\$ 3,840		6				24					
5c	PM - Project Accounting and Administration	9	\$ 1,110	3							6			
5d	PM - Meetings: (4) Project	36	\$ 7,320	16					20			\$ 1,500.00		
5e	PM - Prepare Monthly Status Report (4)	10	\$ 1,360	2					8					
6	Final Alley H&H Analysis (InfoWorks ICM)	21	\$ 2,780	1	4				16					
7a	Prepare 60/90/100% Plans - Cover Sheet	4	\$ 455	0.5					3					
7b	Prepare 60/90/100% Plans - Project Layout Sheet	13	\$ 1,490	0.5					12					
7c	Prepare 60/90/100% Plans - Demolition Sheet	20	\$ 2,400	1.5					18					
7d	Prepare 60/90/100% Plans - Alley Regrading Plan and Profile Sheets (22 x 34 @ 1":20') (4 sheets)	74	\$ 8,720	2					72					
7e	Prepare 60/90/100% Plans - Duct Bank Plan and Profile Sheets (22 x 34 @ 1":20') (8 sheets)	146	\$ 17,000	2					144					
7f	Prepare 90/100% Plans - Temp. Erosion Control (12 sheets)	74	\$ 8,610	1.5					72					
7g	Prepare Single-Phase Traffic Control Plan	10	\$ 20,887	2					8					\$ 19,527.00
7h	Prepare 90/100% Plans - Detail Sheets (2 sheets)	18	\$ 2,280	2					16					
7i	Prepare 60/90/100% Plans - Quantities / Cost Estimate	20	\$ 2,510	2					18					
7j	Prepare 60/90/100% Construction Project Schedule	18	\$ 2,280	2					16					
8	Project Specifications (at 100%)	14	\$ 1,820	2					12					
Bid Phase		27	\$ 4,150											
9a	PM - Project Accounting and Administration	3	\$ 260	0.5							2			
9b	PM - Meetings: (1) Project, (1) Pre-Bid, (1) Bid Opening	6	\$ 1,290	1.5					4			\$ 500.00		
9c	PM - Prepare Monthly Status Report (1)	3	\$ 340	0.5					2					
10	Bid Package (merged with Blanco G. Project)	6	\$ 900	2					4					
11	RFIs (2) / Addendums (1)	10	\$ 1,360	2					8					
Construction Phase (Assumes a 4 month Construction Duration)		117	\$ 16,395											
12a	PM - Coordination with Subconsultants & Third Party Consultants	12	\$ 1,800	4					8					
12b	PM - Project Accounting and Administration	8	\$ 780	1.5							6			
12c	PM - Meetings: (1) Pre-Construction Meeting, (1) Project Close-Out Meeting	16	\$ 2,680	8					8					
12d	PM - Prepare Monthly Status Report (6)	5	\$ 675	1.5					3					
13	RFIs (4)	13	\$ 1,600	1					12					
14	Submittal Reviews (4)	13	\$ 1,800	1					12			\$ 200.00		

15	Site Inspections (12)	35	\$ 4,550	5					30					
16	Pay Application Reviews (6)	4	\$ 710	0.75					3			\$ 200.00		
17	Close-Out Inspection (2)	12	\$ 1,800	4					8					
END BASIC SERVICES														
Total Basic Service Hours:		933	\$ 141,587	100.25	30	0	0	0	787	0	16	\$ 2,900.00	\$ -	\$ 19,527.00
Total Basic Services			\$ 141,587											
Supplemental Services			\$ 13,015											
SS-1	2nd Phase Traffic Control	10	\$ 13,015	2					8				\$ -	\$ 11,655.00
END														
Total Supplemental Services			\$ 13,015	\$ -										
Total Fee Basic + Supplemental Services			\$ 154,602											