March 25, 2014

City of Joplin
Attn: Dan Johnson
602 S. Main Street
Joplin, Missouri 64801

Re: PJ-1538 Proposal for Surveying and Civil Engineering Services
Pennsylvania and Virginia from 31st to 28th
Joplin, Missouri

Dear Mr. Johnson,

We understand this project consists of providing design services and easement documents for approximately 2,100 linear feet of storm water improvements Pennsylvania and Virginia, draining into and including Garvin Park.

This proposal is based on our meeting with you and David Hunt on March 17, 2014. This proposal is also based on our visit to the site on March 19, 2014. We have been in contact with Jim Ross with Bartlett and West about obtaining the GIS information at the site that they have cataloged for the City.

As requested by you our proposed scope of services is as follows. Our proposed schedule is attached.

CIVIL ENGINEERING – SITE GEOMETRY & UTILITY PLAN
Provide a site geometry and site utility plan for the proposed project. Site layout includes stormwater channel, stormwater piping, and street crossings. Based on our meeting with you, a closed-pipe stormwater structures are preferred for this project within the right-of-way. The utility plan will show the existing utilities and identify any conflicts with the proposed improvements. The City of Joplin's standard technical specifications will be used.

CIVIL ENGINEERING – STORMWATER MANAGEMENT AND DESIGN
Provide stormwater analysis and drainage calculations per City of Joplin standards for stormwater. This proposal assumes U.S. Army Corps of Engineers Section 404 permitting will not be necessary. Based on a review of topographic maps and brief site observation, we do not believe permitting will be required. However, it is up to the City to determine if the project involves a jurisdictional waterway. If the City would like us to do more than a cursory review, we can modify our scope to include this service. We anticipate having a few options for the final design and will meet with the city to determine the final course of action.

CIVIL ENGINEERING – GRADING & EROSION CONTROL PLAN
Provide a grading and erosion control plan. Finish grades will include spot elevations, as applicable, for top of pavement, drainage inlets, and grading at one foot contour intervals for the proposed project. As part of the Erosion Control Plan we will also prepare a Stormwater Pollution Prevention Plan (SWPPP). The cost of the permit application fee is not included in the proposal and shall be paid directly to the

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appropriate state agency by the owner. The City of Joplin's standard technical specifications will be used.

SURVEYING – SITE TOPOGRAPHIC SURVEY

Provide a topographic engineering survey on the red line areas on the attached Exhibit "A" for engineering design of proposed storm water improvements. Survey will include spot elevations, location of all utilities, corners of buildings/structures and any other improvements located within the street right of way shown on the attached Exhibit "A". The survey will show basic planimetrics as well as above ground and underground utilities (as located by Missouri One Call) within survey area. The survey will be based on the Missouri State Plane Coordinate system of 1983, West Zone and NAVD 88. Control points and temporary benchmarks will be set along the survey route to be used during construction phase of the project. We understand that the City will Hydrovac any structures located during the survey that require being cleared out.

SURVEYING – RIGHT-OF-WAY SURVEY

We anticipate that all work will be within City of Joplin right-of-way or on City owned property. We will provide right-of-way surveys as listed below, as illustrated by the yellow lines on the attached Exhibit "B". The right of way surveys will show the
right of way line on both sides of the street to be used in the design phase of this project.
At this time, we will only show the right of way lines and will not show each parcel line. Also, no easements will be shown as a part of this survey. Below is a list of the right of way lines to be established as a part of this agreement:

1. Pennsylvania from 28th to 30th
2. 28th from Virginia to Kentucky
3. 30th from Pennsylvania to Kentucky

The survey will be based on the Missouri State Plane Coordinate system of 1983, West Zone.

CONDUCTING BIDDING ON BEHALF OF THE CITY

We will hold one pre-bid meeting, one bid opening, and one preconstruction meeting for a total of 3 meetings. We will coordinate these meetings with the City of Joplin and will review the results with City staff. (Bidders shall be charged a separate fee to purchase plan copies from Anderson Engineering.)
We anticipate that the City of Joplin will advertise the project out to bid.

CONSTRUCTION INSPECTION ON BEHALF OF THE CITY

We will perform site inspection during construction on behalf of the City of Joplin. We will provide documentation to the City after each inspection. We anticipate daily site visits over a eight week period.

OPTION #1 SURVEYING – TEMPORARY CONSTRUCTION EASEMENT PREPARATION

At this time, we do not anticipate needing any permanent easements to construct these improvements. However, temporary construction easements may be necessary. We can assist the City and prepare the easement description and sketch to be used to acquire the temporary easement.

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OPTION #2 - EASEMENT NEGOTIATION
If needed, we will negotiate the acquisition of the each needed temporary construction easement. We anticipation it will take up to 4 hours to acquire each temporary construction easement.

OPTION #3 - MINE SHAFT CAP DESIGN
Our preliminary analysis of this project has revealed several suspect mine features near the proposed channel location. This scope of work includes design of a structural concrete cap. This will also include field time from an Associate Engineer during excavation of mine feature area to assist in determining the mine feature extents, survey of the mine feature extents, construction observation and testing during construction of the structural caps, and survey of final, constructed cap locations. A construction detail will be provided for each of the suspected mine features.

Base Scope/Fee:

Civil Engineering – Design, Plans and Specifications[1]	$ 57,950.00
Surveying – Site Topographic Survey[1]	$ 9,800.00
Surveying – Right-of-way Survey[1]	$ 4,850.00
Bidding on Behalf of the City	$ 2,100.00
Construction Inspection on Behalf of the City	$ 5,000.00
MAXIMUM NOT TO EXCEED FEE:	**$79,700.00**

Optional Scope/Fee:

Surveying – Temporary Easement Preparation (Each)	$ 500.00 each
Easement Negotiation (Each)	$ 500.00 each
Mine Shaft Cap Design (Each)	$ 2,300.00 each

[1] We propose to complete these services on an hourly basis with a not to exceed limit.

OTHER
This proposal includes providing two sets of sealed plans to the City.

This proposal includes reviews with the City for conceptual, preliminary, and final plans. If additional reviews are required not as a result of errors by Anderson Engineering, then that additional work will be billed at our standard hourly charge rates in addition to the fees listed above.

ASSUMPTIONS
We have also assumed that all right of ways, easements, property ownership issues, and private utilities affecting the project will be provided by you to us. We will make a Utility Locate call to identify public

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utilities. We have assumed that all public utilities will be located accurately and completely by the Utility Locator.

GENERAL INFORMATION

Please note that any changes in the scope of work to be performed, or changes in the information provided to us, such as changes in the location of buildings or parking areas, which results in additional work will be billed at our standard hourly charge rates in addition to the fees listed above.

There are many additional, related services that we could perform, but since this proposal is limited in nature, this proposal does not include any geotechnical exploration, additional utility main extensions, any design service not expressly listed above, and submittal of permits to various agencies. Also this proposal also does not include any construction staking, observations, or testing. This proposal also does not include any plan or review compliance with local governmental agency for items not identified above. Anderson Engineering would be happy provide a proposal for these services upon request.

Invoices are due upon receipt regardless of whether the client has been, or is to be, reimbursed by any other party. A service charge of one and one-half percent per month is assessed on accounts 45 days past due. A WORK AUTHORIZATION AGREEMENT form and GENERAL CONDITIONS statement is provided for your signature. Should you have any questions regarding these proposals, please give us a call. Again, we want to thank you for the opportunity to be of service and we look forward to working with you on this project.

Sincerely,

_____

John Snider, PE
Vice President

_____

Jerrod Hogan, PLS
Vice President

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