

Contract for Professional Engineering Services
City of Billings W.O. 14-15
Bench Boulevard North Sanitary Sewer Extensions

In consideration of the mutual promises herein, City of Billings and Sanderson Stewart agree as follows. This Contract consists of:

- Part I, consisting of 15 Sections of Special Provisions;
- Part II, consisting of 11 Sections of General Provisions;
- Appendix A consisting of 6 pages (Basic Services of Engineer);
- Appendix B consisting of 1 page (Methods and Times of Payment);
- Appendix C consisting of 1 page (Additional Services of Engineer);
- Appendix D consisting of 3 pages (Schedule of Professional Fees);
- Appendix E consisting of 1 page (Project Schedule);
- Appendix F consisting of 4 pages (Certificate(s) of Insurance)

PART I
SPECIAL PROVISIONS

Section 1. Definitions.

In this Contract:

- A. "Administrator" means the City Engineer of the Engineering Division of the Public Works Department or the designee.
- B. "Billings" means the City of Billings.
- C. "Engineer" means Sanderson Stewart.
- D. "Contractor" means the third party responsible for the physical construction of the project.

Section 2. Scope of Services.

- A. The Engineer shall perform professional services in accordance with Appendix A, which is attached hereto and incorporated in this Section by reference.
- B. Billings shall pay the Engineer in accordance with the Schedule of Professional Fees attached as Appendix D and incorporated herein by reference for services actually performed under this Contract.
- C. Billings shall not allow any claim for services other than those described in this Section. However, the Engineer may provide, at its own expense, any other services that are consistent with this Contract.

- D. The Engineer shall provide as-built drawings as specified hereafter, as approved by the City of Billings, to the Administrator within 30 days after the project completion date. Final payment will be withheld until the as-built drawings are received by the City of Billings.
- ~~E. The Engineer shall provide certified construction payrolls to the Administrator stating in writing that the payrolls have been reviewed and are acceptable.~~

Section 3. Time for Performance.

- A. This Contract becomes effective when signed on behalf of Billings.
- B. The Engineer shall commence performance of the Work described in Section 2 on receipt of written Notice to Proceed and complete that performance in accordance with the schedule set forth in Appendix E.
- C. This Contract shall terminate at midnight on December 31, 2014.

Section 4. Compensation; Method of Payment.

- A. Each month, or at the conclusion of each phase of the Work for which payment is due, as negotiated on a per-task basis, the Engineer shall present a bill to the Administrator describing the Work for which it seeks payment and documenting expenses and fees to the satisfaction of the Administrator. If any payment is withheld because the Engineer's performance is unsatisfactory, the Administrator must, within ten (10) days of the payment denial, notify the Engineer of the payment denial and set forth, with reasonable specificity, what was unsatisfactory and why. Billings will pay Engineer within 30 days of receiving an acceptable invoice.
- B. The Engineer is not entitled to any compensation under this Contract, other than is expressly provided for in this Section.
- C. As a condition of payment, the Engineer shall have paid all City taxes currently due and owing by the Engineer.

Section 5. Termination of the Engineer's Services.

The Engineer's services under Section 2 of this Part may be terminated:

- A. By mutual consent of the parties.
- B. For the convenience of Billings, provided that Billings notifies the Engineer in writing of its intent to terminate under this paragraph at least 10 days prior to the effective date of the termination.
- C. For cause, by either party where the other party fails in any material way to perform its obligations under this Contract. Termination under this Subsection is subject to the condition that the terminating party notifies the other party of its intent to terminate, stating with reasonable specificity the grounds therefor, and the other party fails to cure the default within 30 days after receiving the notice.

Section 6. Duties Upon Termination

- A. If Billings terminates the Engineer's services for convenience, Billings shall pay the Engineer for its actual costs reasonably incurred in performing before termination

and Billings shall pay for services rendered prior to termination. Payment under this Subsection shall never exceed the total compensation allowable under Section 4 of this Part. All finished and unfinished documents and materials prepared by the Engineer shall become the property of Billings.

- B. If the Engineer's services are terminated for cause, Billings shall pay the Engineer the reasonable value of the services satisfactorily rendered prior to termination, less any damages suffered by Billings because of the Engineer's failure to perform satisfactorily. The reasonable value of the services rendered shall never exceed ninety percent (90%) of the total compensation allowable under Section 4 of this Part. Any finished or unfinished documents or materials prepared by the Engineer under this Contract shall become the property of Billings at its option.
- C. If the Engineer receives payments exceeding the amount to which it is entitled under Subsections A or B of this Section, he shall remit the excess to the Administrator within 30 days of receiving notice to do so.
- D. The Engineer shall not be entitled to any compensation under this Section until the Engineer has delivered to the Administrator all documents, records, Work product, materials and equipment owned by Billings and requested by the Administrator.
- E. If the Engineer's services are terminated for whatever reason the Engineer shall not claim any compensation under this Contract, other than that allowed under this Section.
- F. If a final audit has not been performed before the Engineer's services are terminated, Billings may recover any payments for costs disallowed as a result of the final audit.
- G. Except as provided in this Section, termination of the Engineer's services under Section 5 of this Part does not affect any other right or obligation of a party under this Contract.

Section 7. Insurance.

- A. The Engineer shall maintain in good standing the insurance described in Subsection B of this Section. Before rendering any services under this Contract, the Engineer shall furnish the Administrator with proof of insurance in accordance with Subsection B of this Section.
- B. The Engineer shall provide the following insurance:
 - 1. Workers' compensation and employer's liability coverage as required by Montana law.
 - 2. Commercial general liability, including contractual and personal injury coverage's -- \$1,500,000 per occurrence.
 - 3. Commercial automobile liability -- \$1,500,000 per accident.
 - 4. Professional liability in the amount of \$1,500,000 per occurrence.
- C. Each policy of insurance required by this Section shall provide for no less than 30 days' advance notice to Billings prior to cancellation.
- D. Billings SHALL be listed as an additional insured on all policies except Professional Liability and Worker's Compensation Policies. In addition, all policies except Professional Liability and Worker's Compensation shall contain a waiver of subrogation against Billings.

Section 8. Assignments.

Unless otherwise allowed by this Contract or in writing by the Administrator, any assignment by the Engineer of its interest in any part of this Contract or any delegation of duties under this Contract shall be void, and an attempt by the Engineer to assign any part of its interest or delegate duties under this Contract shall give Billings the right immediately to terminate this Contract without any liability for Work performed.

Section 9. Ownership; Publication, Reproduction and Use of Material.

- A. Except as otherwise provided herein, all data, documents and materials produced by the Engineer under this Contract shall be the property of Billings, which shall retain the exclusive right to publish, disclose, distribute and otherwise use, in whole or in part, any such data, documents, or other materials. Exclusive rights shall not be attributed to portions of such materials presently in the public domain or which are not subject to copyright. The engineer shall retain rights to pre-existing proprietary property including but not limited to interactive models. The Engineer shall have the right to include photographic or artistic representations of the design and construction of the Project among the Engineer's promotional and professional materials. The Engineer's materials shall not include Billings' confidential or proprietary information regardless of whether Billings has previously advised the Engineer in writing of the specific information considered by Billings to be confidential and proprietary.
- B. Equipment purchased by the Engineer with Contract funds: See Appendix A, Section 3. Scope of Work.
- C. Should Billings elect to reuse Work products provided under this Contract for other than the original project and/or purpose, Billings will indemnify and hold harmless the Engineer from any and all claims, demands and causes of action of any kind or character arising as a result of reusing the documents developed under this contract. Additionally, any reuse of work product provided under this Contract must be limited to conceptual or preliminary use for adaptation, and the original Engineer's or subcontractor's signature, professional seals and dates removed. Such reuse of work product, which require professional seals and dates removed, will be signed, sealed, and dated by the professional who is in direct supervisory control and responsible for adaptation.

Section 10. Notices.

Any notice required pertaining to the subject matter of this Contract shall be either sent via facsimile (FAX) or mailed by prepaid first class registered or certified mail, return receipt requested to the following addresses:

Billings: City Engineer (Debi Meling, PE)
City of Billings
Public Works Department
2224 Montana Avenue
Billings, Montana 59101 FAX: (406) 237-6291 / PHONE : (406) 657-3097

Engineer: Sanderson Stewart
Rick Leuthold, PE, Chairman
1300 North Transtech Way
Billings, Montana 59102 FAX: (406) 656-0967 / PHONE: (406) 656-5255

Notices are effective upon the earlier of receipt, proof of good transmission (facsimiles only), or 5 days after proof of proper posting.

Section 11. Contract Budget.

In connection with its performance under this Contract, the Engineer shall not make expenditures other than as provided in line items in the Contract budget.

Section 12. Force Majeure.

- A. Any failure to perform by either party due to force majeure shall not be deemed a violation or breach hereof.
- B. As used in this Contract, force majeure is an act or event of substantial magnitude, beyond the control of the delayed party, which delays the completion of this Contract, including without limitation:
 - 1. Any interruption, suspension or interference resulting solely from the act of Billings or neglect of Billings not otherwise governed by the terms of this Contract.
 - 2. Strikes or Work stoppages.
 - 3. Any interruption, suspension or interference with the project caused by acts of God, or acts of a public enemy, wars, blockades, insurrections, riots, arrests or restraints of governments and people, civil disturbances or similar occurrences.
 - 4. Order of court, administrative agencies or governmental officers other than Billings.

Section 13. Financial Management System.

The Engineer shall establish and maintain a financial management system that:

- A. Provides accurate, current, and complete disclosure of all financial transactions relating to the Contract;
- B. Maintains separate accounts by source of funds for all revenues and expenditures and identifies the source and application of funds for the Engineer's performance under this Contract, including information pertaining to subcontracts, obligations, unobligated balances, assets, liabilities, outlays and income;
- C. Effectively controls and accounts for all municipal funds and Contract property;
- D. Compares actual expenditures with budgeted amounts and relates financial information to performance or productivity data including unit cost information where applicable;
- E. Allocates administrative costs to direct service delivery units;
- F. Minimizes the time between receipt of funds from Billings and their disbursement by the Engineer;
- G. Provides accounting records supported by source documentation; and

- H. Provides a systematic method assuring the timely and appropriate resolution of audit findings and recommendations.

Section 14. Funding Requirements.

In the event that any funding source for this Contract should impose additional requirements upon Billings for the use of those funds, the Engineer agrees to abide by those additional requirements immediately upon receipt of written notice thereof from Billings.

Section 15. Subcontracts.

The Engineer may enter into subcontracts for the purchase of goods and services necessary for the performance of this Contract, provided:

- A. Every subcontract shall be reduced to writing and contain a precise description of the services or goods to be provided and the nature of the consideration paid therefor.
- B. Every subcontract under which the Engineer delegates the provision of services shall be subject to review and approval by the Administrator before it is executed by the Engineer.
- C. Every subcontract in an amount exceeding \$1,000 shall require reasonable access to business records of the subcontractor relating to the purchase of goods or services pursuant to the subcontract.

PART II
GENERAL CONTRACT PROVISIONS

Section 1. Relationship of Parties.

The Engineer shall perform its obligations hereunder as an independent Engineer of Billings. Billings may administer the Contract and monitor the Engineer's compliance with its obligations hereunder. Billings shall not supervise or direct the Engineer other than as provided in this Section.

Section 2. Nondiscrimination.

- A. The Engineer will not discriminate against any employee or applicant for employment because of race, color, religion, national origin, ancestry, age, sex, or marital status or who is a "qualified individual with a disability" (as that phrase is defined in the Americans With Disabilities Act of 1990). The Engineer will take affirmative action to ensure that applicants are employed and that employees are treated during employment without regard to their race, color, religion, or mental or physical impairment/disability. Such action shall include, without limitation, employment, upgrading, demotion or transfer, recruitment or recruiting advertising, layoff or termination, rates of pay or other forms of compensation, and selection for training including apprenticeship. The Engineer agrees to post, in conspicuous places available to employees and applicants for employment, notices setting forth the provisions of this non-discrimination clause.
- B. The Engineer shall state, in all solicitations or advertisements for employees to Work on Contract jobs, that all qualified applicants will receive equal consideration for employment without regard to race, color, religion, national origin, ancestry, age, sex or marital status, or mental or physical impairment/disability.
- C. The Engineer shall comply with any and all reporting requirements that may apply to it which the City of Billings may establish by regulation.
- D. The Engineer shall include the provisions of Subsections A through C of this Section in every subcontract or purchase order under this Contract, so as to be binding upon every such subcontractor or vendor of the Engineer under this Contract.
- E. The Engineer shall comply with all applicable federal, state, and city laws concerning the prohibition of discrimination.

Section 3. Permits, Laws, and Taxes.

The Engineer shall acquire and maintain in good standing all permits, licenses and other entitlements necessary to its performance under this Contract. All actions taken by the Engineer under this Contract shall comply with all applicable statutes, ordinances, rules and regulations. The Engineer shall pay all taxes pertaining to its performance under this Contract.

Section 4. Nonwaiver.

The failure of either party at any time to enforce a provision of this Contract shall in no way constitute a waiver of the provision, nor in any way affect the validity of this Contract or any part hereof, or the right of such party thereafter to enforce each and every provision hereof.

Section 5. Amendment.

- A. This Contract shall only be amended, modified or changed by a writing, executed by authorized representatives of the parties, with the same formality as this Contract was executed.
- B. For the purposes of any amendment modification or change to the terms and conditions of this Contract, the only authorized representatives of the parties are:

Engineer: Rick Leuthold, PE, Chairman
(title of position)

Billings: City Council or Authorized Designee

- C. Any attempt to amend, modify, or change this Contract by either an unauthorized representative or unauthorized means shall be void.

Section 6. Jurisdiction; Choice of Law.

Any civil action arising from this Contract shall be brought in the District Court for the Thirteenth Judicial District of the State of Montana, Billings. The law of the State of Montana shall govern the rights and obligations of the parties under this Contract.

Section 7. Severability.

Any provision of this Contract decreed invalid by a court of competent jurisdiction shall not invalidate the remaining provisions of the Contract.

Section 8. Integration.

This instrument and all appendices and amendments hereto embody the entire agreement of the parties. There are no promises, terms, conditions or obligations other than those contained herein; and this Contract shall supersede all previous communications, representations or agreements, either oral or written, between the parties hereto.

Section 9. Liability.

The Engineer shall indemnify, defend, save, and hold Billings harmless from any and all claims, causes of action, lawsuits, damages, judgments, liabilities, and litigation costs and expenses including reasonable attorneys' fees and costs, arising from any wrongful or negligent act, error or omission of the Engineer or any agent, employee or subcontractor as a result of the Engineer's or any subcontractor's performance pursuant to this Contract.

- A. The Engineer shall not indemnify, defend, save and hold Billings harmless from claims, causes of action, lawsuits, damages, judgments, liabilities, and litigation costs and expenses or attorneys' fees and costs arising from wrongful or negligent acts, error or omission solely of Billings occurring during the course of or as a result of the performance of the Contract.
- B. Where claims, lawsuits or liability, including attorneys' fees and costs arise from wrongful or negligent act of both Billings and the Engineer, the Engineer shall indemnify, defend, save, and hold Billings harmless from only that portion of claims, causes of action, lawsuits, damages, judgments, liabilities, and litigation costs and expenses including attorneys' fees and costs, which result from the Engineer's or any subcontractor's wrongful or negligent acts occurring as a result from the Engineer's performance pursuant to this Contract.

Billings shall indemnify, defend, save, and hold the Engineer harmless from any and all claims, causes of action, lawsuits, damages, judgments, liabilities, and litigation costs and expenses including reasonable attorneys' fees and costs, arising from any wrongful or negligent act, error or omission of Billings or any agent, employee or subcontractor as a result of Billings' or any subcontractor's performance pursuant to this Contract.

- A. Billings shall not indemnify, defend, save and hold the Engineer harmless from claims, causes of action, lawsuits, damages, judgments, liabilities, and litigation costs and expenses or attorneys' fees and costs arising from wrongful or negligent acts, error or omission solely of the Engineer occurring during the course of or as a result of the performance of the Contract.
- B. Where claims, lawsuits or liability, including attorneys' fees and costs arise from wrongful or negligent act of both Billings and the Engineer, Billings shall indemnify, defend, save, and hold the Engineer harmless from only that portion of claims, causes of action, lawsuits, damages, judgments, liabilities, and litigation costs and expenses including attorneys' fees and costs, which result from Billings' or any subcontractor's wrongful or negligent acts occurring as a result from Billings' performance pursuant to this Contract.

Section 10. Inspection and Retention of Records.

The Engineer shall, at any time during normal business hours and as often as Billings may deem necessary, make available to Billings, for examination, all of its records with respect to all matters covered by this Contract for a period ending three years after the date the Engineer is to complete performance in accordance with Section 2 of the Special Provisions. Upon request, and within a reasonable time, the Engineer shall submit such other information and reports relating to its activities under this Contract, to Billings, in such form and at such times as Billings may reasonably require. The Engineer shall permit Billings to audit, examine and make copies of such records, and to make audits of all invoices, materials, payrolls, records of personnel, and other data relating to all matters covered by this Contract. Billings may, at its option, permit the Engineer to submit its records to Billings in lieu of the retention requirements of this Section.

Section 11. Availability of Funds.

Payments under this Contract may require funds from future appropriations. If sufficient funds are not appropriated for payments required under this Contract, this Contract shall terminate without penalty to Billings; and Billings shall not be obligated to make payments under this Contract beyond those which have previously been appropriated.

DRAFT

IN WITNESS WHEREOF, the parties have executed this Contract on the date and at the place shown below.

City of Billings

Engineer

City Council or Designee

Date: _____

Name: _____

Title: _____

Date: _____

ATTEST:

IRS Tax ID # _____

City Clerk

APPROVED AS TO FORM:

Date: _____

By _____

BRENT BROOKS, City Attorney

STATE OF MONTANA)

ss.

COUNTY OF YELLOWSTONE)

On this ____ day of _____, 2014, before me, the undersigned, a Notary Public for the State of Montana, personally appeared _____, known to me to be the _____ of _____, and acknowledged to me that they executed the foregoing instrument on behalf of said corporation having first been authorized to do so.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my Notarial Seal the day and year first above written.

Notary Public for the State of Montana
Residing at Billings, Montana
My Commission Expires: _____

Note: Final contract documents will require the Engineer's signature to be notarized.

Appendix A

Basic Services of Engineer W.O. 14-?? Bench Boulevard North Sanitary Sewer Extensions

Section 1. Engineer's Rights and Duties.

- A. To furnish all labor, materials, equipment, supplies, and incidentals necessary to conduct and complete the Engineer's portion of the project as defined in the scope of work and to prepare and deliver to Billings all plans, specifications, bid documents, and other material as designated herein.
- B. Ascertain such information as may have a bearing on the work from local units of government, utility companies, and private organizations and shall be authorized to procure information from other authorities besides Billings, but shall keep Billings advised as to the extent of these contacts and the results thereof.
- C. Prepare and present such information as may be pertinent and necessary in order for Billings to pass critical judgment on the features of the work. The Engineer shall make changes, amendments or revisions in the detail of the work as may be required by Billings. When alternates are being considered, Billings shall have the right of selection.
- D. Engineer's work shall be in accordance with the standards of sound engineering and present City, State, and National standards and policies currently in use.
- E. Conform to the requirements of the Montana Code Annotated Title 18 "Public Contracts" and more particularly Sections 18-2-121 and 18-2-122, and all other codes of the State of Montana applicable to providing professional services including codes and standards nationally recognized.
- F. The Engineer shall certify with the submission of final plans that the plans are in conformance with applicable sections of Title 69, Chapter 4, Part 5, of the Montana Code Annotated as pertaining to existing utilities.
- G. To perform professional services in connection with the project and will serve as Billings' representative in those phases of the project to which this agreement applies.
- H. Where Federal funds are involved, the necessary provisions to meet all requirements will be complied with and documents secured and placed in the bidding documents.
- I. Submit an estimated progress schedule as to time and costs at the beginning of the work, and monthly progress reports thereafter until complete. The reports will include any problems, potential problems, and delays as foreseen by the Engineer. Reports will be submitted in a timely manner to permit prompt resolution of problems.

- ~~J. Contract administration duties will include review of contractor certified payrolls for wage rate compliance. Discrepancies in certified payrolls will be resolved with the Contractor. A signed Engineer's Payroll Check Sheet (included in the Standard Modifications to MPWSS) will be submitted as proof of this review with one copy of each payroll.~~
- K. Name a Task Director who shall be the liaison between Billings and the Engineer. For this project the Task Director designated for the Engineer is Jeff Heidner, PE working under the Principal-in-Charge, Mac Fogelsong, PE.

Section 2. Billings Rights and Duties.

- A. To furnish all labor, materials, equipment, supplies, and incidentals necessary to conduct and complete Billings' portion of the project as designated in the scope of work.
- B. Name a Task Director who shall be the liaison between the Engineer and Billings. For this project, the Task Director designated is Randy Straus, PE working under the City Engineer, Debi Meling, PE.

Section 3. Scope of Work.

SCOPE OF WORK:

The scope of work covered by this agreement is described hereafter:

The project consists of an extension of sanitary sewer in Bench Boulevard from Mary Street north for approximately 375 lineal feet and from Caroline Street south for approximately 440 lineal feet (also in Bench Boulevard). The project includes design of the sewer line, bid solicitation, construction staking, and construction observation/pay estimate processing more specifically described below.

Phase 100. Project Initiation

- Task 1. Attend meeting with City officials to determine project scope.
- Task 2. Review available plan information.
- Task 3. Review routes in field walkthrough.

Phase 200. Preliminary Design Services

- Task 1. Project management and coordination
- Task 2. Review alignment with respect to other utilities.
- Task 3. Review existing as-built drawings.
- Task 4. Convert MDT plans & profiles to AutoCAD drawing
- Task 5. Assemble existing available plat, certificate of survey, easement and ownership information along the chosen alignment and draw in existing parcels from plats and field survey.
- Task 6. Attend one design review meeting with the City.

- Task 7. Perform survey measure downs for existing water valves and sewer manholes.
- Task 8. Geotechnical engineering report (three soil borings).
- Task 9. Review boring vs. open cut excavation under Main Street.
- Task 10. Pick-up topographic survey.
- Task 11. Coordinate the identification of private utilities including, overhead and underground power, cable TV, underground telephone and communications, petroleum oil, and natural gas as marked through One-Call locate service.
- Task 12. Send preliminary construction plans to the private utility companies for review.
- Task 13. Draft traffic control plan.
- Task 14. Quality control review of plans.
- Task 15. Prepare Preliminary Plans and Specifications (70% design level) using all data gathered and input received.
- Task 16. Prepare opinion of probable cost with 15 percent contingency included.
- Task 17. Submit Preliminary Plans and Specifications (70% design level) for review to all interested parties as determined by the City of Billings and Sanderson Stewart, including MDOT and the County Water District of Billings Heights.

Phase 200 Deliverables:

Preliminary Plans and Profiles (70%), Preliminary Opinion of Probable Cost with 15% contingency; Deliverables include up to two (2) sets of 24x36-inch size preliminary plans and specifications and two (2) sets of 12x18-inch size preliminary plans.

Phase 300. Final Design and Bidding Services

- Task 1. Project management and coordination.
- Task 2. Assemble all preliminary plan review comments and redlines for incorporation into final plans.
- Task 3. Coordinate final design with the Heights Water District within the selected project corridor.
- Task 4. Prepare erosion control plan for State permit. Contractor shall prepare the NOI/SWPPP and pay permit fee direct to the State of Montana and sign Notice of Intent once construction begins.
- Task 5. Draft final traffic control plans.
- Task 6. Complete final plan and specification sets for submittal, review, and approval by the City of Billings and the Department of Environmental Quality.
- Task 7. Submittal of two (2) copies of the project specifications, two (2)

half-size plan sets, contract-bidding documents, design report and certified sewer checklist to Montana Department of Environmental Quality (MDEQ) for approval. We have included the DEQ review fee.

- Task 8. Receive final redline comments from the City, Heights Water District, and the Department of Environmental Quality and incorporate said comments in final plans and specifications. Final plans and specifications will be prepared in accordance with the Montana Public Works Standard Specifications, Sixth Edition, April 2010 and the current adopted City of Billings Standard Modifications to the Sixth Ed. Stamp and sign all plans and specifications with seal of Professional Engineer in charge.
- Task 9. Calculate bid quantities and prepare bid proposal and contract documents. Update Engineer's Opinion of Probable cost based upon final plan quantities.
- Task 10. Assist in preparation of bid advertisement and provide documents to prospective bidders and suppliers. Bid advertisement text will be provided to the City for publication.
- Task 11. Answer bid questions and issue addendums as required.
- Task 12. Attend bid opening, tabulate bids, and make recommendation to the City for award.
- Task 13. Assist in City procurement of final contract agreement, verification of insurance and bonds, and issue notice to proceed.
- Task 14. Quality control review.

Phase 300 Deliverables:

Plans and specifications for review and bidding, Final Opinion of Probable Cost, Bid Tabulations, Recommendation of Award, Horizontal and Vertical Project Control.

Phase 400. Construction Services and Contract Administration

- Task 1. Project management and coordination.
- Task 2. Schedule and conduct pre-construction conference prior commencement of work at the site. Issue pre-construction meeting minutes to Contractor and City.
- Task 3. Take preconstruction photos of proposed work areas.
- Task 4. Review Contractor shop drawing submittals in conformance with the information given in contract documents. Review does not include review of any dewatering plans, shall not extend to Contractor means, methods, techniques, sequences, or procedures of construction or Contractor safety programs.
- Task 5. Attend one weekly construction meeting during construction (up to

four weekly meetings).

- Task 6. Make visits to the site at intervals appropriate to various stages of construction to observe as an experienced and qualified design professional the progress of the Contractor's executed work. Visits by Engineer shall be limited to spot checking and similar methods of general observation of the work as assisted by the Resident Project Representative.
- Task 7. Respond to Contractor requests for information. Issue necessary clarifications and interpretations of the Contract Documents as appropriate consistent with the intent and reasonably inferable from the Contract Documents. Engineer may issue Field Orders authorizing minor variations in the Work from the requirements of the Contract Documents.
- Task 8. Recommend and prepare Change Orders and Work Change Directives to City as appropriate.
- Task 9. Provide field staking to give the Contractor measurements, lines, locations, and grades necessary for construction. Field staking shall include: base gravel bluetops (if required), off-sets and grades for sewer manholes.
- Task 10. Coordinate and schedule quality control (Materials) testing during all phases of construction per City of Billings testing requirements.
- Task 11. Provide full-time construction observation during construction utilizing a Resident Project Representative (RPR) to assist Engineer in observing progress and quality of the Work assuming 20 days (8 hours each) of observation. RPR shall report to Engineer when clarifications and interpretations of the Contract Documents are needed and transmit to Contractor said clarifications and interpretations as issued by Engineer. RPR will prepare daily inspection reports, and daily diaries for the full term of construction activity.
- In addition to review of major work items, inspection activities shall include general review of traffic control set-up and sediment and erosion control. Major work items include, but are not limited to: sanitary sewer, subgrade preparation, gravel base course preparation, concrete work, paving, and striping.
- Task 12. Review and recommend payment and contract requests in accordance with City of Billings format.
- Task 13. Keep track of actual in-place materials, locations, and quantities and transfer to field plans for preparation of record drawings.
- Task 14. Conduct final inspection and assist in project closeout.
- Task 15. Prepare reproducible construction record drawings for City of Billings files from records prepared by Contractor. Engineer will provide two (2) paper copies and one (1) pdf file of the record drawings based on record drawings of the Contractor with:

- Offset distances measured from the centerline of the right-of-way to all public sewer mains.
- Invert elevations marked for each manhole, structure, and each connection thereto, as well as at the end of each stubbed water main, stubbed water service line and stubbed fire line.
- Locations of sewer services (if any) based on measurements from property lines.
- Elevations indicating the depth of bury of all public sewer mains. These elevations shall be shown at each street or right-of-way intersection and at such intervals along the public water mains as may be deemed appropriate by the City Engineer.
- Permanent bench marks shown.

Task 16. Conduct one-year inspection with City of Billings staff and Contractor.

Phase 400 Deliverables:

One (1) 12x18-inch set of record drawings submitted to the Department of Environmental Quality, two (2) sets of 24x36-inch record drawings provided to the City of Billings, one (1) set of electronic files (pdf format) provided to the City of Billings, one (1) copy of materials and sewer main testing records, and final record of project construction cost.

Appendix B

Methods and Times of Payment W.O. 14-15--Bench Boulevard North Sanitary Sewer Extensions

Section 1. Payments for Basic Services.

Billings shall authorize payment to the Engineer for services performed under Appendix A of this Agreement. Partial payment shall be due the Engineer upon receipt of the Engineer's pay estimate, said estimate being proportioned to the work completed by the Engineer.

Billings shall deduct five percent (5%) from each monthly pay estimate to be held until the completion of the final scope of work. The final payment shall be made only after acceptance of final documents by Billings, and determination that the scope of work has been satisfactorily completed.

A. For services rendered prior to construction, Appendix A, the Engineer shall be paid based upon actual time accrued, but not to exceed \$62,865.00 (Sixty Two Thousand Eight Hundred Sixty Five dollars) based on the following tasks:

Phase 100	Project Initiation	<u>\$1,260.00</u>
Phase 200	Preliminary Design Services	<u>\$24,265.00</u>
Phase 300	Final Design and Bidding Services	<u>\$10,485.00</u>
Phase 400	Construction Services and Contract Administration	<u>\$26,855.00</u>

B. Final payment shall be the above stated basic fee less all previous payments.

Section 2. Payments for Extra Services when Authorized by Billings.

Work requests made or conditions identified by interested groups at the agency or public meetings which are beyond the scope and intent of this project shall be paid for on an hourly basis at the applicable fees in Appendix D or by an addendum to the agreement.

Section 3. Corrections.

Costs of Billings' work that is required for the purpose of correcting the Engineer's work shall be deducted from any payments due the Engineer if the Engineer fails to make the required corrections.

Section 4. Fee Increases

For contracts and services that are expected to require more than one (1) year to complete, the above stated basic services payments may be reviewed and adjusted annually by mutual agreement of the parties, based upon documented evidence that the Engineer's costs and hourly rates as shown in Appendix D have increased for all comparable clients.

Appendix C

Additional Services of Engineer W.O. 14-15--Bench Boulevard North Sanitary Sewer Extensions

Extra Services of the Engineer will be paid only with written prior authorization by Billings.

- A. Requests made or conditions identified which are beyond the scope and intent of the services identified under Appendix A.

Appendix D

Schedule of Professional Fees W.O. 14-15--Bench Boulevard North Sanitary Sewer Extensions

Current agreements for engineering services stipulate that the standard hourly rates are subject to review and adjustments. Hourly rates for services effective on the date of this Agreement are included below.

The itemized schedule provided below includes direct labor costs, normal payroll and overhead costs, transportation, furnishing equipment and materials normally required for performance of the work and reasonable profit. Direct project costs not itemized herein shall be paid for at actual cost.

Rate changes may be made to the fee schedule by the Engineer to reflect increased salaries and other business costs. Engineer shall submit a revised rate schedule at the time of the change if requested by the Owner. Rate schedule changes made by the Engineer during the term of this Contract shall not alter the maximum project professional fee set forth in the Contract. Changes that alter the maximum project professional fee are covered in Appendix B.

The cost of Professional Liability Insurance coverage is included in the hourly rates of personnel.

Appendix E

Project Schedule W.O. 14-15--Bench Boulevard North Sanitary Sewer Extensions

Based on a notice to proceed by Billings date no later than August 11, 2014, the completion date for the Engineer's work through final design shall be:

1. Project Initiation and Scoping: August 22, 2014
2. Preliminary Design Services (70% Design): September 19, 2014
3. Final Design and Bidding Services: October 3, 2013
4. Construction Services to be based on Contractor Schedule.

Delays affecting the completion of the work within the time specified of more than ninety (90) days, not attributable to or caused by the Parties hereto, may be considered as cause for the renegotiation or termination of this Contract.

If the Engineer is behind on this Contract due to no fault of Billings, then the Engineer hereby acknowledges the right of Billings to withhold future Contracts to the Engineer in addition to any other remedy until this Contract is brought back on schedule or otherwise resolved.

Appendix F

**Certificate(s) of Insurance
W.O. 14-15--Bench Boulevard North Sanitary Sewer Extensions**

Attach Certificate(s) of Insurance

DRAFT