

RESOLUTION NO. R18-08

A RESOLUTION APPROVING THE TASK ORDER AUTHORIZING KADRMAS, LEE & JACKSON, INC. FOR HYDROGEN SULFIDE REMEDIATION FOR A PORTION OF THE CITY OF LAUREL'S SEWER AND WASTEWATER COLLECTION SYSTEMS.

WHEREAS, the City of Laurel previously executed an Agreement for Professional Services with Kadrmas, Lee & Jackson, Inc. ("KL&J") on December 5, 2017, via Resolution No. R17-69; and

WHEREAS, the City of Laurel requires remediation services for a portion of the City's sewer and wastewater collection system between the Village and Elm Lift Stations as described in the attached Task Order with is incorporated herein by reference; and

WHEREAS, the services to be provided and cost for such services are fully described in the attached Task Order.


NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Laurel, Montana, the attached Task Order authorizing the services to be performed by KL&J for the City of Laurel is hereby approved and the Mayor is hereby authorized to execute the attached Task Order on the City's behalf.

Introduced at a regular meeting of the City Council on February 20, 2018, by Council Member Wilke.


PASSED and APPROVED by the City Council of the City of Laurel this 20th day of February 2018.

APPROVED by the Mayor this 20th day of February 2018.

CITY OF LAUREL


Thomas C. Nelson, Mayor

ATTEST:


Bethany Keeler, Clerk-Treasurer

APPROVED AS TO FORM:


Sam Painter, Civil City Attorney

Task Order: H2S Remediation Improvements

In accordance with Paragraph 1.01 of the Agreement Between Owner and Engineer for Professional Services – Task Order Edition, dated December 5, 2017 ("Agreement"), Owner and Engineer agree as follows:

1. Background Data

- A. Effective Date of Task Order: February 20, 2018
- B. Owner: City of Laurel
- C. Engineer: Kadrmas, Lee & Jackson, Inc. (dba "KLJ")
- D. **Specific Project (title): H2S Remediation Improvements**
- E. Specific Project (description): This project consists of the addition of an aeration system to the wastewater collection system for the reduction of hydrogen sulfide (H₂S) formation in the sewer collection system between Village and Elm Lift Stations.

2. Services of Engineer

- A. The specific services to be provided or furnished by Engineer under this Task Order are:

Set forth in Part 1—Basic Services of Exhibit A, "Engineer's Services for Task Order," modified for this specific Task Order, and attached to and incorporated as part of this Task Order.
- B. Resident Project Representative (RPR) Services - Not Used
- C. Designing to a Construction Cost Limit – Not Used
- D. Other Services - None
- E. All of the services included above comprise Basic Services for purposes of Engineer's compensation under this Task Order.

3. Additional Services

- A. Additional Services that may be authorized or necessary under this Task Order are:

Set forth as Additional Services in Part 2—Additional Services, of Exhibit A, "Engineer's Services for Task Order," modified for this specific Task Order, and attached to and incorporated as part of this Task Order.

4. Owner's Responsibilities

Owner shall have those responsibilities set forth in Article 2 of the Agreement and in Exhibit B, subject to the following:

- Provide Engineer with access to the facilities, as needed to complete the project.
- Provide requested information including existing (as-built) plans, flow data and pumping records, and any prior studies, reports, etc. related to a proposed remedy of H2S within the collection system.
- Review preliminary reports and plans provided by the Engineer.
- Pay the cost of any review fees imposed by agencies having jurisdiction over the project.

5. Task Order Schedule

In addition to any schedule provisions provided in Exhibit A or elsewhere, the parties shall meet the following schedule:

- The Owner wishes to have the H2S remediation improvements operational by June 30, 2018. Engineer shall work in good faith to expedite the design and implementation process with the intent of achieving the desired operational date; however, both parties acknowledge that the lead time on the recommended equipment will be critical in the achievement of the desired schedule.
- Owner will provide review comments, in writing, to Engineer for any draft deliverables submitted by Engineer. Owner will provide comments within 7-days of submission by Engineer. Owner acknowledges delays in review/response may extend the final schedule.
- Engineer shall provide periodic updates to Owner on the anticipated completion schedule, throughout the duration of the project.

6. Payments to Engineer

A. Owner shall pay Engineer for services rendered under this Task Order as follows:

Description of Service	Amount	Basis of Compensation
1. Basic Services (Part 1 of Exhibit A)*		
a. Study and Report Phase (A1.01)	\$8,600.00	Lump Sum
b. Preliminary and Final Design Phase (A1.02, A1.03)	\$30,560.00	Lump Sum
c. Bidding or Negotiating Phase (A1.04)	\$6,970.00	Lump Sum
d. Construction Phase (A1.05)	\$9,800.00	Direct Labor
e. Post-Construction Phase (A1.06)	\$2,300.00	Direct Labor
TOTAL COMPENSATION (lines 1.a-e)	\$58,230.00	

2. Additional Services (Part 2 of Exhibit A)	(N/A)	Direct Labor
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*Based on a one-month continuous construction period.

Compensation items and totals based in whole or in part on Hourly Rates or Direct Labor are estimates only. Lump sum amounts and estimated totals included in the breakdown by phases incorporate Engineer's labor, overhead, profit, reimbursable expenses (if any), and Consultants' charges, if any. For lump sum items, Engineer may alter the distribution of compensation between individual phases (line items) to be consistent with services actually rendered, but shall not exceed the total lump sum compensation amount unless approved in writing by the Owner.

B. The terms of payment are set forth in Article 4 of the Agreement and in the applicable governing provisions of Exhibit C.

7. Consultants retained as of the Effective Date of the Task Order:

None

8. Other Modifications to Agreement and Exhibits:

None

9. Attachments:

Exhibit A – Engineer's Services for Task Order

10. Other Documents Incorporated by Reference:

December 5, 2017 Agreement between Owner and Engineer for Professional Services, Task Order Edition

11. Terms and Conditions

Execution of this Task Order by Owner and Engineer shall make it subject to the terms and conditions of the Agreement (as modified above), which Agreement is incorporated by this reference. Engineer is authorized to begin performance upon its receipt of a copy of this Task Order signed by Owner.

The Effective Date of this Task Order is February 20, 2018.

OWNER: City of Laurel, Montana

ENGINEER: Kadrmas, Lee & Jackson, Inc.

By: 

By: 

Print Name: THOMAS C NELSON

Print Name: MARK ANDERSON

Title: City of Laurel Mayor

Title: Vice President

Engineer License or Firm's

Certificate No. (if required):

PEL-EF-LIC-37

State of:

Montana

DESIGNATED REPRESENTATIVE FOR TASK ORDER:

DESIGNATED REPRESENTATIVE FOR TASK ORDER:

Name: Kurt Markegard

Name: Travis Jones

Title: Director of Public Works

Title: Project Manager

Address: PO Box 10, Laurel, MT 59044

Address: PO Box 80303 Billings, MT 59108-0303

E-Mail Address: kmarkegard@laurel.mt.gov

E-Mail Address: travis.jones@kljeng.com

Phone: 406-628-4796

Phone: 406-245-5499

Task Order Form – H2S Remediation Improvements

EJCDC® E-505, Agreement Between Owner and Engineer for Professional Services – Task Order Edition.
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This is **EXHIBIT A**, consisting of 13 pages, referred to in and part of the **Task Order** dated February 20, 2018.

Engineer's Services for Task Order: H2S Remediation Project

PART 1—BASIC SERVICES

A1.01 Study and Report Phase Services

A. As Basic Services, Engineer shall:

1. Consult with Owner to define and clarify Owner's requirements for the Specific Project, including design objectives and constraints, space, capacity and performance requirements, flexibility, and expandability, and any budgetary limitations, and identify available data, information, reports, facilities plans, and site evaluations.
 - a. If Owner has already identified one or more potential solutions to meet its Specific Project requirements, then proceed with the study and evaluation of such potential solutions: During discussions between the Owner and Engineer, prior to the Task Order, the likely solution was identified to include the addition of an aeration system to the Village Lift Station for H2S control. The services provided under this Exhibit are based on this potential solution. If Engineer identifies concerns with the suitability of an aeration system to adequately address the H2S remediation, Engineer shall notify Owner in writing to identify the concerns, coordinate for the development of an alternative approach, and amend the task order (if necessary) to incorporate any unforeseen services.
2. Identify potential aeration solution(s) to meet Owner's Specific Project requirements, as needed.
3. Evaluate the potential aeration solution(s) to meet Owner's Specific Project requirements. If concerns are identified in the capability of the aeration solution to address the H2S remediation, Engineer shall notify Owner immediately following the evaluation of the aeration solutions and prior to proceeding with the next phase of services.
4. Visit the Site, or potential Specific Project sites, to review existing conditions and facilities, unless such visits are not necessary or applicable to meeting the objectives of the Study and Report Phase.
5. Advise Owner of any need for Owner to obtain, furnish, or otherwise make available to Engineer additional Specific Project-related data and information, for Engineer's use in

the study and evaluation of potential solution(s) to Owner's Specific Project requirements, and preparation of a related Draft Design Memo.

6. Meet with the Owner to discuss the findings of the Draft Design Memo and incorporate input from the Owner into the Final Design Memo. The Final Design Memo will be the basis of final design of the project.
 7. Provide the Owner with three copies of the Final Design Memo, which will be the basis for the remaining design efforts.
- B. Engineer's services under the Study and Report Phase will be considered complete on the date when Engineer has delivered to Owner the Final Design Memo.

A1.02 Preliminary Design Phase

- A. As Basic Services, Engineer shall:
1. Prepare Preliminary Design Phase documents consisting of preliminary drawings, outline specifications, and written descriptions of the Specific Project.
 2. Provide the Owner with three copies of the 50% design, drawings and specifications for their review.
 3. Meet with the Owner to review the 50% drawings and specifications and solicit the Owner's input prior to advancing on to the final design phase.
- B. Engineer's services under the Preliminary Design Phase will be considered complete on the date when Engineer has meet with and review the 50% drawings and specifications.

A1.03 Final Design Phase

- A. As Basic Services, Engineer shall:
1. Prepare 95% Drawings and Specifications indicating the scope, extent, and character of the Work to be performed and furnished by Contractor.
 2. Provide the Owner with a 95% design, drawings and specifications for their review.
 3. Meet with the Owner to review the 95% drawings and specifications and solicit the Owner's input prior to advancing on to 100% drawings and specifications.
 4. Develop the 100% drawings and specifications. Provide the Owner with three copies of the 100% drawings and specifications.
 5. Provide technical criteria, written descriptions, and design data for permitting submittal to the MT-DEQ.

6. Develop and deliver to the Owner an opinion of probable Construction Cost.
- B. Engineer's services under the Final Design Phase will be considered complete on the date when Engineer has delivered to Owner the final Drawings and Specifications, other assembled Construction Contract Documents, bidding-related documents (or requests for proposals or other construction procurement documents), and any other Final Design Phase deliverables.
 - C. The number of prime contracts for Work designed or specified by Engineer upon which the Engineer's compensation has been established under this Task Order is one. If more prime contracts are awarded, Engineer shall be entitled to an equitable increase in its compensation under this Task Order.

A1.04 Bidding or Negotiating Phase

- A. As Basic Services, Engineer shall:
 1. Assist Owner during the bidding process by developing an advertisement, printing of bid documents (Drawings and Specifications), distribution of bid documents, and maintaining a Plan Holders list.
 2. Coordinate and facilitate a pre-bid conference.
 3. Prepare and issue Addenda as appropriate to clarify, correct, or change the issued documents.
 4. Attend the bid opening, conduct a bid evaluation and prepare a recommendation of award to the Owner.
- B. The Bidding or Negotiating Phase will be considered complete upon the delivery of the recommendation of award. Any re-bidding, beyond the initial letting, will be considered an additional service, unless agreed upon by both parties.

A1.05 Construction Phase

- A. As Basic Services, Engineer shall:
 1. *Coordinate the execution of the Contract Documents between the Owner and Contractor.*
 2. *General Administration of Construction Contract: Consult with Owner and act as Owner's representative as provided in the Construction Contract. The extent and limitations of the duties, responsibilities, and authority of Engineer shall be as assigned in EJCDC® C-700, Standard General Conditions of the Construction Contract (the Edition of which is to coincide with the current Montana Public Works Standard Specifications in effect at the time of a specific Task Order), prepared by the Engineers Joint Contract Documents Committee, or other construction general conditions specified in the Agreement. If Owner, or Owner and Contractor, modify the duties, responsibilities, and authority of*

Engineer in the Construction Contract, or modify other terms of the Construction Contract having a direct bearing on Engineer, then Owner shall compensate Engineer for any related increases in the cost to provide Construction Phase services. Engineer shall not be required to furnish or perform services contrary to Engineer's responsibilities as a licensed professional. All of Owner's instructions to Contractor will be issued through Engineer, which shall have authority to act on behalf of Owner in dealings with Contractor to the extent provided in this Agreement and the Construction Contract except as otherwise provided in writing.

3. *Pre-Construction Conference:* Coordinate and participate in a pre-construction conference prior to commencement of Work at the Site.
4. *Electronic Transmittal Protocols:* If the Construction Contract Documents do not specify protocols for the transmittal of Project-related correspondence, documents, text, data, drawings, information, and graphics, in electronic media or digital format, either directly, or through access to a secure Project website, then together with Owner and Contractor jointly develop such protocols for transmittals between and among Owner, Contractor, and Engineer during the Construction Phase and Post-Construction Phase.
5. *Original Documents:* If requested by Owner to do so, maintain and safeguard during the Construction Phase at least one original printed record version of the Construction Contract Documents, including Drawings and Specifications signed and sealed by Engineer and other design professionals in accordance with applicable Laws and Regulations. Throughout the Construction Phase, make such original printed record version of the Construction Contract Documents available to Contractor and Owner for review.
6. *Schedules:* Receive, review, and determine the acceptability of any and all schedules that Contractor is required to submit to Engineer, including the Progress Schedule, Schedule of Submittals, and Schedule of Values.
7. *Visits to Site and Observation of Construction:* In connection with observations of Contractor's Work while it is in progress:
 - a. Make up to six (4) visits to the Site at intervals appropriate to the various stages of construction, as Engineer deems necessary, to observe the progress of Contractor's executed Work. Such visits and observations by Engineer, are not intended to be exhaustive or to extend to every aspect of the Work or to involve detailed inspections of the Work beyond the responsibilities specifically assigned to Engineer in the Agreement, this Task Order, and the Construction Contract Documents, but rather are to be limited to spot checking, selective sampling, and similar methods of general observation of the Work based on Engineer's exercise of professional judgment. Based on information obtained during such visits and observations, Engineer will determine in general if the Work is proceeding in accordance with the Construction Contract Documents, and Engineer shall keep Owner informed of the progress of the Work.

- b. The purpose of Engineer's visits to the Site, will be to enable Engineer to better carry out the duties and responsibilities assigned to and undertaken by Engineer during the Construction Phase, and, in addition, by the exercise of Engineer's efforts as an experienced and qualified design professional, to provide for Owner a greater degree of confidence that the completed Work will conform in general to the Construction Contract Documents and that Contractor has implemented and maintained the integrity of the design concept of the completed Project as a functioning whole as indicated in the Construction Contract Documents. Engineer shall not, during such visits or as a result of such observations of the Work, supervise, direct, or have control over the Work, nor shall Engineer have authority over or responsibility for the means, methods, techniques, sequences, or procedures of construction selected or used by any Constructor, for security or safety at the Site, for safety precautions and programs incident to any Constructor's work in progress, for the coordination of the Constructors' work or schedules, nor for any failure of any Constructor to comply with Laws and Regulations applicable to furnishing and performing of its work. Accordingly, Engineer neither guarantees the performance of any Constructor nor assumes responsibility for any Constructor's failure to furnish or perform the Work, or any portion of the Work, in accordance with the Construction Contract Documents.
8. *Defective Work:* Reject Work if, on the basis of Engineer's observations, Engineer believes that such Work is defective under the terms and standards set forth in the Construction Contract Documents. Provide recommendations to Owner regarding whether Contractor should correct such Work or remove and replace such Work, or whether Owner should consider accepting such Work as provided in the Construction Contract Documents.
9. *Compatibility with Design Concept:* If Engineer has express knowledge that a specific part of the Work that is not defective under the terms and standards set forth in the Construction Contract Documents is nonetheless not compatible with the design concept of the completed Project as a functioning whole, then inform Owner of such incompatibility, and provide recommendations for addressing such Work.
10. *Clarifications and Interpretations:* Accept from Contractor and Owner submittal of all matters in question concerning the requirements of the Construction Contract Documents (sometimes referred to as requests for information or interpretation—RFIs), or relating to the acceptability of the Work under the Construction Contract Documents. With reasonable promptness, render a written clarification, interpretation, or decision on the issue submitted, or initiate an amendment or supplement to the Construction Contract Documents.
11. *Field Orders:* Subject to any limitations in the Construction Contract Documents, Engineer may prepare and issue Field Orders requiring minor changes in the Work.

12. *Change Orders and Work Change Directives:* Recommend Change Orders and Work Change Directives to Owner, as appropriate, and prepare Change Orders and Work Change Directives as required.
13. *Differing Site Conditions:* Respond to any notice from Contractor of differing site conditions, including conditions relating to underground facilities such as utilities, and hazardous environmental conditions. Promptly conduct reviews, obtain information, and prepare findings, conclusions, and recommendations for Owner's use, subject to the limitations and responsibilities under the Agreement and the Construction Contract.
14. *Non-reviewable matters:* If a submitted matter in question concerns the Engineer's performance of its duties and obligations, or terms and conditions of the Construction Contract Documents that do not involve (1) the performance or acceptability of the Work under the Construction Contract Documents, (2) the design (as set forth in the Drawings, Specifications, or otherwise), or (3) other engineering or technical matters, then Engineer will promptly give written notice to Owner and Contractor that Engineer will not provide a decision or interpretation.
15. *Shop Drawings, Samples, and Other Submittals:* Review take appropriate action with respect to Shop Drawings, Samples, and other required Contractor submittals, but only for conformance with the information given in the Construction Contract Documents and compatibility with the design concept of the completed Project as a functioning whole as indicated by the Construction Contract Documents. Such reviews will not extend to means, methods, techniques, sequences, or procedures of construction or to safety precautions and programs incident thereto.
16. *Substitutes and "or-equal":* Evaluate and determine the acceptability of substitute or "or-equal" materials and equipment proposed by Contractor, but subject to the provisions of Paragraph A2.01.B.2 of this Exhibit A.
17. *Inspections and Tests:*
 - a. Receive and review all certificates of inspections, tests, and approvals required by Laws and Regulations or the Construction Contract Documents. Engineer's review of such certificates will be for the purpose of determining that the results certified indicate compliance with the Construction Contract Documents and will not constitute an independent evaluation that the content or procedures of such inspections, tests, or approvals comply with the requirements of the Construction Contract Documents. Engineer shall be entitled to rely on the results of such inspections and tests.
 - b. As deemed reasonably necessary, request that Contractor uncover Work that is to be inspected, tested, or approved.

- c. Pursuant to the terms of the Construction Contract, require additional inspections or testing of the Work, whether or not the Work is fabricated, installed, or completed.
18. *Change Proposals and Claims:* (a) Review and respond to Change Proposals. Review each duly submitted Change Proposal from Contractor and, within 30 days after receipt of the Contractor's supporting data, either deny the Change Proposal in whole, approve it in whole, or deny it in part and approve it in part. Such actions shall be in writing, with a copy provided to Owner and Contractor. If the Change Proposal does not involve the design (as set forth in the Drawings, Specifications, or otherwise), the acceptability of the Work, or other engineering or technical matters, then Engineer will notify the parties that the Engineer will not resolve the Change Proposal. (b) Provide information or data to Owner regarding engineering or technical matters pertaining to Claims.
19. *Applications for Payment:* Based on Engineer's observations as an experienced and qualified design professional and on review of Applications for Payment and accompanying supporting documentation:
 - a. Determine the amounts that Engineer recommends Contractor be paid. Recommend reductions in payment (set-offs) based on the provisions for set-offs stated in the Construction Contract. Such recommendations of payment will be in writing and will constitute Engineer's representation to Owner, based on such observations and review, that, to the best of Engineer's knowledge, information and belief, Contractor's Work has progressed to the point indicated, the Work is generally in accordance with the Construction Contract Documents (subject to an evaluation of the Work as a functioning whole prior to or upon Substantial Completion, to the results of any subsequent tests called for in the Construction Contract Documents, and to any other qualifications stated in the recommendation), and the conditions precedent to Contractor's being entitled to such payment appear to have been fulfilled in so far as it is Engineer's responsibility to observe the Work. In the case of unit price work, Engineer's recommendations of payment will include final determinations of quantities and classifications of the Work (subject to any subsequent adjustments allowed by the Construction Contract Documents).
 - b. By recommending payment, Engineer shall not thereby be deemed to have represented that observations made by Engineer to check the quality or quantity of Contractor's Work as it is performed and furnished have been exhaustive, extended to every aspect of Contractor's Work in progress, or involved detailed inspections of the Work beyond the responsibilities specifically assigned to Engineer in the Agreement or this Task Order. Neither Engineer's review of Contractor's Work for the purposes of recommending payments nor Engineer's recommendation of any payment including final payment will impose on Engineer responsibility to supervise, direct, or control the Work, or for the means, methods, techniques, sequences, or procedures of construction or safety precautions or programs incident thereto, or Contractor's compliance with Laws and Regulations applicable to Contractor's furnishing and performing the Work. It will also not impose responsibility on

Engineer to make any examination to ascertain how or for what purposes Contractor has used the money paid to Contractor by Owner; to determine that title to any portion of the Work, including materials or equipment, has passed to Owner free and clear of any liens, claims, security interests, or encumbrances; or that there may not be other matters at issue between Owner and Contractor that might affect the amount that should be paid.

20. *Contractor's Completion Documents:* Receive from Contractor, review, and transmit to Owner maintenance and operating instructions, schedules, guarantees, bonds, certificates or other evidence of insurance required by the Construction Contract Documents, certificates of inspection, tests and approvals, and Shop Drawings, Samples, and other data reviewed as provided under Paragraph A1.05.A.17. Receive from Contractor, review, and transmit to Owner the annotated record documents which are to be assembled by Contractor in accordance with the Construction Contract Documents to obtain final payment. The extent of Engineer's review of record documents shall be to check that Contractor has submitted all pages.
21. *Substantial Completion:* Promptly after notice from Contractor that Contractor considers the entire Work ready for its intended use, in company with Owner and Contractor, visit the Site to review the Work and determine the status of completion. Follow the procedures in the Construction Contract regarding the preliminary certificate of Substantial Completion, punch list of items to be completed, Owner's objections, notice to Contractor, and issuance of a final certificate of Substantial Completion. Assist Owner regarding any remaining engineering or technical matters affecting Owner's use or occupancy of the Work following Substantial Completion.
22. *Final Notice of Acceptability of the Work:* Conduct a final visit to the specific Project to determine if the Work is complete and acceptable so that Engineer may recommend, in writing, final payment to Contractor.
23. *Standards for Certain Construction-Phase Decisions:* Engineer will render decisions regarding the requirements of the Construction Contract Documents, and judge the acceptability of the Work, pursuant to the specific procedures set forth in the Construction Contract for initial interpretations, Change Proposals, and acceptance of the Work. In rendering such decisions and judgments, Engineer will not show partiality to Owner or Contractor, and will not be liable to Owner, Contractor, or others in connection with any proceedings, interpretations, decisions, or judgments conducted or rendered in good faith.
24. *Start-up:* Engineer will review operation and maintenance manuals submitted by the Contractor and will be on site during the equipment start-up and operator training.
25. *Record Drawings:* Engineer will develop Record Drawing for the project and submit to the MT-DEQ and two paper copies to the Owner along with one digital copy in PDF format.

- B. *Duration of Construction Phase:* The Construction Phase will commence with the execution of the first Construction Contract for the specific Project or any part thereof and will terminate upon written recommendation by Engineer for final payment to Contractors. If the specific Project involves more than one prime contract as indicated in Paragraph A1.03.C, then Construction Phase services may be rendered at different times in respect to the separate contracts. Subject to the provisions of Article 3, Engineer shall be entitled to an equitable increase in compensation if Construction Phase services (including Resident Project Representative services, if any) are required after the original date for completion and readiness for final payment of Contractor as set forth in the final Construction Contract under the Task Order.

A1.06 *Post-Construction Phase*

- A. Upon written authorization from Owner during the Post-Construction Phase, as Basic Services, Engineer shall:
1. Together with Owner, visit the Project to observe any apparent defects in the Work, make recommendations as to replacement or correction of defective Work, if any, or the need to repair of any damage to the Site or adjacent areas, and assist Owner in consultations and discussions with Contractor concerning correction of any such defective Work and any needed repairs.
 2. Together with Owner, visit the Project within one month before the end of the Construction Contract's correction period to ascertain whether any portion of the Work or the repair of any damage to the Site or adjacent areas is defective and therefore subject to correction by Contractor.
- B. The Post-Construction Phase services may commence during the Construction Phase and, if not otherwise modified in this Exhibit A, will terminate twelve months after the commencement of the Construction Contract's correction period.

PART 2—ADDITIONAL SERVICES

A2.01 *Additional Services Requiring an Amendment to Task Order*

- A. *Advance Written Authorization Required:* During performance under a Task Order, Owner may authorize Engineer in writing to furnish or obtain from others Additional Services of the types listed below. Unless expressly indicated above or in the specific Task Order to be included Basic Services, the following services are not included as part of Basic Services and will be paid for by Owner as Additional Services, using the basis of compensation for Additional Services, as indicated in the specific Task Order.
1. Preparation of applications and supporting documents (in addition to those furnished under Basic Services) for private or governmental grants, loans, or advances in connection with the Specific Project; preparation or review of environmental assessments and impact

statements; review and evaluation of the effects on the design requirements for the Specific Project of any such statements and documents prepared by others; and assistance in obtaining approvals of authorities having jurisdiction over the anticipated environmental impact of the Specific Project.

2. Full-time RPR Services.
3. Services to make measured drawings of existing conditions or facilities, to conduct tests or investigations of existing conditions or facilities, or to verify the accuracy of drawings or other information furnished by Owner or others. This shall include any survey services not explicitly stated within the scope of services.
4. Services resulting from significant changes in the scope, extent, or character of the portions of the Specific Project designed or specified by Engineer, or the Specific Project's design requirements, including, but not limited to, changes in size, complexity, Owner's schedule, character of construction, or method of financing; and revising previously accepted studies, reports, Drawings, Specifications, or Construction Contract Documents when such revisions are required by changes in Laws and Regulations enacted subsequent to the Effective Date of the Task Order or are due to any other causes beyond Engineer's control.
5. Services resulting from Owner's request to evaluate additional Study and Report Phase alternative solutions beyond those agreed to herein.
6. Services required as a result of Owner's providing incomplete or incorrect Specific Project information to Engineer.
7. Providing renderings or models for Owner's use, including services in support of building information modeling or civil integrated management.
8. Undertaking investigations and studies including, but not limited to:
 - a. Evaluation of alternatives to aeration, if Engineer identifies concerns in the ability of aeration options to adequately address the H2S remediation.
 - b. detailed consideration of operations, maintenance, and overhead expenses;
 - c. based on the engineering and technical aspects of the Project, the preparation of feasibility studies (such as those that include projections of output capacity, utility project rates, project market demand, or project revenues) and cash flow analyses, provided that such services do not include rendering advice regarding municipal financial products or the issuance of municipal securities;
 - d. preparation of appraisals;

- e. evaluating processes available for licensing, and assisting Owner in obtaining process licensing;
 - f. detailed quantity surveys of materials, equipment, and labor; and
 - g. audits or inventories required in connection with construction performed or furnished by Owner.
9. Furnishing services of Consultants for other than Basic Services.
10. Providing data or services of the types described in Exhibit B, when Owner retains Engineer to provide such data or services instead of Owner furnishing the same.
11. Providing the following services:
- a. Services attributable to more prime construction contracts than specified in Paragraph A1.03.C or the specific Task Order.
 - b. Services to arrange for performance of construction services for Owner by contractors other than the principal prime Contractor, and administering Owner's contract for such services.
12. Services during out-of-town travel required of Engineer, other than for visits to the Site or Owner's office as required in Basic Services.
13. Preparing for, coordinating with, participating in and responding to structured independent review processes, including, but not limited to, construction management, cost estimating, project peer review, value engineering, and constructability review requested by Owner; and performing or furnishing services required to revise studies, reports, Drawings, Specifications, or other documents as a result of such review processes.
14. Preparing additional bidding-related documents (or requests for proposals or other construction procurement documents) or Construction Contract Documents for alternate bids or cost estimates requested by Owner for the Work or a portion thereof.
15. Assistance in connection with bid protests, rebidding, or renegotiating contracts for construction, materials, equipment, or services, except when such assistance is required to complete services required by Paragraph 5.02.A and Exhibit F.
16. Preparing conformed Construction Contract Documents that incorporate and integrate the content of all Addenda and any amendments negotiated by Owner and Contractor.
17. Providing Construction Phase services beyond the original date for completion and readiness for final payment of Contractor, but only if such services increase the total quantity of services to be performed in the Construction Phase, rather than merely shifting performance of such services to a later date.

18. Supplementing Record Drawings with information regarding the completed Project, Site, and immediately adjacent areas obtained from field observations, Owner, utility companies, and other reliable sources.
 19. Conducting surveys, investigations, and field measurements to verify the accuracy of Record Drawing content obtained from Contractor, Owner, utility companies, and other sources; revise and supplement Record Drawings as needed.
 20. Preparation of operation, maintenance, and staffing manuals.
 21. Protracted or extensive assistance in refining and adjusting of Project equipment and systems (such as initial startup, testing, and balancing).
 22. Assistance to Owner in training Owner's staff to operate and maintain Specific Project equipment and systems.
 23. Assistance to Owner in developing systems and procedures for (a) control of the operation and maintenance of Project equipment and systems, and (b) related recordkeeping.
 24. Preparing to serve or serving as a consultant or witness for Owner in any litigation, arbitration, mediation, lien or bond claim, or other legal or administrative proceeding involving the Project.
 25. Providing construction surveys and staking to enable Contractor to perform its work other than as required under Paragraph A1.05.A.8, and any type of property surveys or related engineering services needed for the transfer of interests in real property; and providing other special field surveys.
 26. Providing more extensive services required to enable Engineer to issue notices or certifications requested by Owner.
 27. Excessive services during any correction period, or with respect to guarantees called for in the Construction Contract (except as agreed to under Basic Services).
 28. Provide assistance in responding to the presence of any Constituent of Concern at any Site, in compliance with current Laws and Regulations.
 29. Other additional services performed or furnished by Engineer not otherwise provided for in this Agreement.
- B. *Advance Written Authorization Not Required:* Engineer shall advise Owner in advance that Engineer will immediately commence to perform or furnish the Additional Services of the types listed below. For such Additional Services, Engineer need not request or obtain specific advance written authorization from Owner. Engineer shall cease performing or furnishing such Additional Services upon receipt of written notice from Owner. Unless expressly indicated above or in the specific Task Order to be included Basic Services, the following services are not

included as part of Basic Services and will be paid for by Owner as Additional Services, using the basis of compensation for Additional Services, as indicated in the specific Task Order.

1. Services in connection with Work Change Directives and Change Orders to reflect changes requested by Owner.
2. Services in making revisions to Drawings and Specifications occasioned by the acceptance of substitute materials or equipment other than "or equal" items; services after the award of the Construction Contract in evaluating and determining the acceptability of a proposed "or equal" or substitution which is found to be inappropriate for the Project; evaluation and determination of an excessive number of proposed "or equals" or substitutions, whether proposed before or after award of the Construction Contract.
3. Services resulting from significant delays, changes, or price increases occurring as a direct or indirect result of materials, equipment, or energy shortages.
4. Additional or extended services arising from (a) the presence at the Site of any Constituent of Concern or items of historical or cultural significance, (b) emergencies or acts of God endangering the Work, (c) damage to the Work by fire or other causes during construction, (d) a significant amount of defective, neglected, or delayed Work, (e) acceleration of the progress schedule involving services beyond normal working hours, or (f) default by Contractor.
5. Services (other than Basic Services during the Post-Construction Phase) in connection with any partial utilization of the Work by Owner prior to Substantial Completion.
6. Evaluating unreasonable or frivolous requests for interpretation or information (RFIs), Change Proposals, or other demands from Contractor or others in connection with the Work, or an excessive number of RFIs, Change Proposals, or demands.
7. Reviewing a Shop Drawing or other Contractor submittal more than three times, as a result of repeated inadequate submissions by Contractor.
8. While at the Site, compliance by Engineer and its staff with those terms of Owner's or Contractor's safety program provided to Engineer subsequent to the Effective Date that exceed those normally required of engineering personnel by Federal, State, or local safety authorities for similar construction sites.