

EXHIBIT A SCOPE OF SERVICES

Rapid City Landfill Permit 2018 Project No. SW18 – 2448 / CIP No. 51202

The Rapid City Landfill's current Solid Waste Operations Permit expires July 15, 2019. The City wishes to contract with an engineering consultant to provide professional engineering services for the permit renewal process. The consultant will assist and guide the City Solid Waste Division staff through the Solid Waste Operation re-permitting process.

It is understood that the 2018 Solid Waste Operations Permit will now be separate from the SD DENR Biosolids Management Permit, whereas in the past, the two permits have been combined. The Biosolids Management Permit will now require a standalone permit renewal application. Biosolids permit support and coordination will be included in the scope of services under this contract, but the Biosolids Management Permit Renewal Application will be completed by the Water Reclamation Division.

Additionally, the selected consultant is anticipated to complete a second phase of the project for design, bidding, and construction services for the Closure and Final Cover of Existing Landfill Cell #16. Design and construction services will be included in a separate contract(s).

This Scope of Services and contract addresses the Re-Permitting phase of the project only. The re-permitting process shall consist of one Task: Permit Renewal.

It is anticipated the Permit Renewal will include the following items.

- Review of the City's current SD DENR Solid Waste Permit 14-19.
- Completion of SD DENR Renewal or Amendment Application Form (SD Eform – 1616 v3) to operate a Solid Waste Disposal Facility.
- Review and document incoming Landfill tonnage information as provided by the City.
- Document and update remaining cell(s) volume.
- Document and update permitted Landfill design life.
- Document and update Landfill closure and post closure cost estimates.
- Update site maps and site information as required by the permit.
- Document and update equipment inventory.
- Review and document current groundwater monitoring plan.
- Documents and update current dust control plan.
- Document and update Landfill Litter Control Plan, Source Reduction Plan, Recycling Plan, and current Operation's Plan.
- Document and update other aspects of the existing permit that have changed since the 2014 permit renewal or items that need to be addressed from the 2008 permit.
- Meet with the SD DENR Solid Waste staff in Pierre to coordinate permit renewal.
- Review of the City's current SD DENR Biosolids Management Permit SDL023574.



- Permitting support for the completion of the SD DENR Application for Coverage Under the South Dakota Surface Water Discharge System Individual Permit for Biosolids Management and associated information.

FMG Engineering was selected through the City’s consultant selection process to provide Engineering Services for two project phases and it is anticipated that three separate contracts will be negotiated. The first phase being a contract for permit renewal. The second project phase is anticipated to have two contracts, one contract for design and bidding services and a second contract for construction administration services. FMG will act as the prime consultant, with two subconsultants on the team. Franklin Engineering providing methane gas system consultation and RESPEC will provide Peer Review and hydrogeologic consultation services as required.

The Permit Renewal project will include one primary task for permit renewal, while the Cell 16 Final Cover project will include Design tasks 1 through 3 for Preliminary Design, Final Design, and bidding services and will also include construction related services in Tasks 4 and 5. Task 1 for the re-permitting project is included in this agreement. Tasks 1, 2 and 3 for the Cell 16 project will be submitted under a separate contract. A third contract will be negotiated prior to construction of the Cell 16 Final Cover for Task 4 Basic Construction Services and Task 5 Expanded Construction Services.

TASK 1 - PERMIT RENEWAL SERVICES:

This task consists of all services necessary to take the project from beginning through to Final Permit Renewal submittal stage and is anticipated to include the itemized services shown below. In general, information previously submitted with the 2014 Solid Waste Permit will form the basis of the documentation for the 2018 Permit Renewal; however, information that has changed or is no longer valid will be documented in the 2018 Permit Renewal.

- 1.01 Kick-off Conference: The consultant shall meet with City staff to detail the project concept and scope. The consultant shall prepare an agenda, take and distribute meeting minutes.
- 1.02 Create schedule. The consultant shall prepare a schedule that includes task completion dates for submittals, and anticipated document review times for City and SD DENR review. The schedule will be provided for City review at the Kick-off conference and will be utilized for tracking progress and to help ensure key deadlines are met.
- 1.03 Review background information listed in the RFP, and any other resources as necessary.

A. Initial Background Information Gathering and Review. This task assumes that background information is existing and available electronically or by photocopy but does not need to be re-created. This task assumes includes limited copying time and costs. Background information includes but is not limited to:

- City of Rapid City GIS maps,
- City of Rapid City 2014 Solid Waste Permit Application,
- SD DENR Solid Waste Permit 14-19,
- Rapid City Wastewater Discharge Permit Number 40.1,
- SD DENR Biosolids Management Permit
- Plans of existing facilities,



- SD DENR codified laws and administrative rules pertaining to solid waste permitting,
- Existing lease of Landfill property by SD National Guard and the private prison facility,
- Current Landfill Groundwater Monitoring Plan and Reports,
- Current Landfill tonnage information and scale tickets,
- Current Landfill operations plans,
- Current Landfill financial information as required,
- Construction project documents for projects completed post 2014.

It is assumed this task may include multiple trips to City offices and coordination with City staff to compile the information. A set number of hours has been assumed for cost estimating, and this task will be billed on a lump sum basis by percent complete.

- B. General Background Information Review. This task will include the background information gathering not completed in the Initial Background Information Gathering and Review. This task will include the review of all the collected information. This task will be billed at an hourly rate. It is assumed this task may include multiple trips to City offices and coordination with City staff to compile the information.
- C. Prepare gap analysis and inventory of background information. Inventory shall include information regarding availability of documents, dates, and if the documents are necessary for permit renewal. The inventory shall also include a brief summary of the completeness and validity of the documents. If information is found to be not valid, out-of-date, or contains errors, brief recommendations for further investigation will be made; however, work to correct errors or supplement incomplete data or documents is not within the scope of this contract.
- D. Information request to SD DENR. It is assumed that some documents may need to be retrieved from the SD DENR offices in Pierre. FMG will issue a request for information to DENR with advance notice to allow DENR to make the information available during a pre-scheduled meeting in Pierre for another task. The scheduling of and travel for this meeting will be under Task 1.08. It is assumed that this task may require coordination and time onsite in the Pierre DENR offices. An allowance will be included for making photocopies and obtaining documents.

1.04 Perform site surveys and map preparation for Permit Renewal.

- A. Perform field survey work. Topographic survey shall be in NAD 83 (2011) NAVD 88 South Dakota State Plan South Zone. The horizontal and vertical coordinates shall be established from the Rapid City Primary Control Network. Some topographic survey will be required to prepare updated site maps; however, contour data will largely be produced by utilizing as-built information from past projects, contours generated by drone photogrammetry and 2015 City GIS contour data.
- B. Drone imagery completion. A high definition drone aerial image reflecting site conditions around the current time (Fall-Winter 2018) will be used for the background map image of the



overall landfill property. Ground Control Points (GCPs) will also be established using GPS survey instruments to accurately orthorectify the images.

- C. Transition vertical datum from NAVD 29 to NAVD 88. To date, survey data at the Landfill property has been on vertical datum NAVD 29, while nearly all other portions of the City and majority of city projects are on vertical datum NAVD 88. The City wishes to shift the datum used at the Landfill to vertical datum to NAVD 88 with the 2019 permit renewal. This change is advisable to improve synchronization between City Utility projects and facilities and minimize long term potential for error if using two different vertical datums. This will require submittal of revised final cover contours. The intent is to transform all active and future projects to NAVD 88. This will require some field survey work to help verify the adjustment, and drafting work to prepare updated contour drawings and surfaces. This task will also include drafting a proclamation document for City distribution describing the transition and defining the protocol for future projects. This adjustment will be vertical only and no work to adjust horizontal coordinates or datums will be included in this scope, as the horizontal shift between datums is relatively minor.

In general, the vertical datum transition will consist of the following:

- Perform field survey work to confirm adjustment magnitude.
- Provide the City a memorandum and exhibit for review proposing an average vertical adjustment for the overall Landfill property based on published benchmark data. The memorandum will discuss the methodology used to determine the adjustment and will also briefly discuss the differences in horizontal datums.
- Provide SD DENR and the City with a paper copy of the current permitted final cover contours shifted to NAVD 88.
- Provide SD DENR and the City with an Auto Cad file of the permitted final cover contours and a surface based on NAVD 88.
- Provide a draft Proclamation or Resolution for City distribution describing the transition and defining the protocol for future projects.
- Current Landfill projects Cell 17 Final Cover and Cell 18 Liner and Leachate Collection System as-built drawings will be completed under their respective contracts and as originally planned will be completed on vertical datum NAVD 29. Notes will be added to all the as-built drawings regarding the datum used and will make mention of the datum shift.
- An updated as-built of the completed, final grades of the Cell 17 Final Cover will be translated to NAVD 88 and provided to SD DENR and the City with the Final CQA Report for Cell 17 Final Cover for reference of the final cover contours in relation to the updated permitted contours on NAVD 88.
- No adjustments or documentation of historic projects will be made as part of this project.



- D. Determine locations of existing above ground and below ground infrastructure as required for permit renewal. This may require the work of the Consultant's subcontractor, Franklin Engineering to help identify and mark key features in the methane gas extraction systems. This assumes this task is limited in scope to minor updates in utility information to the minimum amount necessary to satisfy SD DENR requirements for permit renewal. Additional utility survey and data collection work will occur in Task 1.10.
- E. Prepare updated Site Maps as required for permit renewal. Some topographic survey will be required to prepare updated site maps; however, maps will largely be produced by utilizing as-built information from past projects and 2015 City GIS contour data, while incorporating drone imagery and contours. Additional site map preparation for Landfill Operations records can work will occur in Task 1.10.

1.05 Prepare Permit Renewal Application information.

In general, the information previously submitted with the 2014 Solid Waste Permit is assumed to be acceptable to SD DENR and valid. The 2014 submitted information and appendices will form the basis of the documentation for the 2018 Permit Renewal; however, information that has changed or is no longer valid will be documented in the 2018 Permit Renewal to the extent required by SD DENR. The Permit Renewal Application will reference previously submitted documents and provide new attachments and appendices only where necessary. This task assumes that multiple meetings with City Project Management and Operations will be required to better understand current aspects of Operations and complete most of the subtasks below. Under separate Task 1.10, a 2019 Permit Renewal Document will be prepared for City archives that packages all referenced documents under one cover to the extent available, and provides narratives on the information completeness, updates required, and relation to the permit. Further discussion of this additional work can be found under Task 1.10.

- A. Prepare general Permit Renewal Application. This shall consist of the basic information required in the permit renewal, and shall include but not limited to landowner information, operator information, legal descriptions, types and sources of waste, population information, and other related permit information.
- B. Reference construction project information for construction projects completed post 2014. This assumes no engineering design work or calculations will be required for this task. The permit renewal will reference previously submitted design reports, plans, specifications, and Construction Quality Assurance Plans. This may also require the work of the Consultant's subcontractor, Franklin Engineering to identify and describe key features within the methane gas extraction system. For subconsultant work, several hours have been assumed for cost estimation purposes. Subconsultant work will be billed on an hourly basis without markup and will not exceed the estimated amount without prior authorization from City Project Management. This task assumes the information is existing, complete, accurate and readily available and accessible and does not need to be reproduced or corrected. See Task 1.10 for additional documentation of referenced information. This task assumes that the update will consist of a brief summary (approximately one page) of new information or information that has changed since the 2014 Permit Renewal. This brief summary page will be attached to or reference the previously submitted appendices.
- C. Attach Landfill Operations Plan. This work will rely heavily on the previously submitted Operations Plan for the 2014 permit renewal. Only key information that has changed since 2014, or outdated information will be updated. This may also require the work of the



Consultant's subcontractor, Franklin Engineering to describe key components and procedures within the methane gas system. For subconsultant work, several hours have been assumed for cost estimation purposes. Subconsultant work will be billed on an hourly basis without markup and will not exceed the estimated amount without prior authorization from City Project Management. This assumes any data is existing, complete, accurate and readily available and does not need to be reproduced or significant effort made to correct large amounts of erroneous data. This task assumes that the update will consist of a brief summary (approximately one page) of new information or information that has changed since the 2014 Permit Renewal. This brief summary page will be attached to or reference the previously submitted appendices. FMG will identify items that have changed and flag items that need follow-up with City Project Management and Landfill Operations.

- D. Attach Landfill Equipment List. This work will rely heavily on the previously submitted Operations Plan for the 2014 permit renewal. Only key information that has changed since 2014, or incorrect or outdated information will be updated. This assumes any data is existing, complete, accurate and readily available and does not need to be reproduced or significant effort made to correct large amounts of erroneous data. This task assumes that the update will consist of a brief summary (approximately one page) of new information or information that has changed since the 2014 Permit Renewal. This brief summary page will be attached to or reference the previously submitted appendices. FMG will identify items that have changed and flag items that need follow-up with City Project Management and Landfill Operations.
- E. Attach Closure/Postclosure Plan and cost estimates. Again, this work will reference the Closure/Postclosure Plan submitted with the 2014 Permit Renewal. Only information changed since 2014 or erroneous or outdated information will be updated. This task assumes that the update will consist of a brief summary (approximately one page) of new information or information that has changed since the 2014 Permit Renewal. This brief summary page will be attached to or reference the previously submitted appendices. FMG will identify items that have changed and flag items that need follow-up with City Project Management and Landfill Operations.
- F. Financial assurance task. Review and update financial assurance and accrued liability information. This work will reference the Closure/Postclosure Plan submitted with the 2014 Permit Renewal. Only information changed since 2014 or erroneous or outdated information will be updated. This assumes any data or records are existing, complete, accurate and readily available and does not need to be reproduced or corrected. This task assumes that the update will consist of a brief summary (approximately one page) of new information or information that has changed since the 2014 Permit Renewal. This brief summary page will be attached to or reference the previously submitted appendices. FMG will identify items that have changed and flag items that need follow-up with City Project Management and Landfill Operations.
- G. Attach Litter Control Plan. This work will update the previously submitted Litter Control Plan for the 2014 permit renewal. Only key information that has changed since 2014, or incorrect or outdated information will be updated. This task assumes that the update will consist of a brief summary (approximately one page) of new information or information that has changed since the 2014 Permit Renewal. This brief summary page will be attached to or reference the previously submitted appendices. FMG will identify items that have changed and flag items that need follow-up with City Project Management and Landfill Operations.



- H. Attach Source Reduction and Recycling Plan. This work will update the previously submitted Source Reduction and Recycling Plan for the 2014 permit renewal. Only key information that has changed since 2014, or incorrect or outdated information will be updated. This will also include review of the recent updates by SD DENR to the overall source reduction goals of South Dakota. This task assumes that the update will consist of a brief summary (approximately one page) of new information or information that has changed since the 2014 Permit Renewal. This brief summary page will be attached to or reference the previously submitted appendices. FMG will identify items that have changed and flag items that need follow-up with City Project Management and Landfill Operations.
- I. Review and attach current Groundwater Monitoring Plan. This task will require coordination with the City and the current Groundwater Monitoring Consultant, American Engineering and Testing. This assumes FMG will not be editing the Groundwater Monitoring Plan or providing additional data. FMG will only be providing project coordination and recommendations if necessary, for changes or edits to the Groundwater Monitoring Plan. This assumes any data or records are existing, complete, accurate and readily available and does not need to be reproduced or corrected. FMG will identify items that have changed and flag items that need follow-up with City Project Management and Landfill Operations.
- J. Peer review. This task shall include a peer review of permitting documents by the Consultant's subcontractors RESPEC and Franklin Engineering. For subconsultant work, several hours have been assumed for cost estimation purposes. Subconsultant work will be billed on an hourly basis without markup and will not exceed the estimated amount without prior authorization from City Project Management.
- K. Biosolids Permit Renewal. It is understood that the 2018 Solid Waste Operations Permit will be separate from the Biosolids Management Permit; therefore, the Biosolids Management Permit will also require a permit renewal application. The Water Reclamation Department will complete the Biosolids Management Permit renewal. FMG will provide coordination and support. This task assumes that no engineering design or calculations will be required to compile the permit renewal. FMG will identify items that have changed and flag items that need follow-up with City Project Management and Landfill Operations.

It is anticipated that FMG's role in the Biosolids Permit Renewal Application will generally consist of the following tasks:

- Coordination with Water Reclamation to ensure compliance with the Solid Waste Permit.
- FMG will conduct review of current Biosolids Management Permit and identify areas required to be addressed in the Solid Waste Permit or areas needing editing in the existing Biosolids Management Permit.
- FMG will produce Site Maps and exhibits as required by the Biosolids Management permit.
- FMG will assist in gathering of previously documented monitoring data compilation and packaging as required by the permit. This assumes the data exists and is readily available, if additional data is required to be collected or reproduced, this would be outside the scope of this contract.



- L. Prepare Executive Summaries. Executive summaries for each of the above sub tasks will be prepared for publishing at the beginning of the document detailing the information contained in each appendix, the source of the information, required updates, and any incompleteness or errors found. This will also assist in DENR's review of the document.
- 1.06 Prepare adjacent landowner notification letters for publishing by City. This task will include all postage and mailing of the certified letters. This task will only be completed upon written notice from City Project Manager.
- 1.07 Draft Permit Applications Submittals

The Draft Permit Application Submittals shall generally consist of the following documents:

- A. Draft Permit Renewal Applications for City Review
Prepare up to four (4) Copies and PDFs of Draft Permit Renewal Applications for the Solid Waste Permit. Copies of the Biosolids Permit Renewal will be provided by the City.
 - B. Draft Appendices and Drawings for City Review
Prepare up to four (4) Copies and a PDF version of the draft appendices and drawings. Drawings and Exhibits required for the Biosolids Permit Renewal will be printed by FMG if necessary.
 - C. Draft Permit Renewal Application, Appendices and Drawings for SD DENR Review.
Prepare up to three (3) Copies and PDFs of Draft Permit Renewal Applications and associated exhibits and appendices for the Solid Waste Permit. These documents will be packaged and sent to SD DENR for review. The Draft Permit Renewal Application will only be sent to DENR for review upon release of documents by City Project Manager.
 - D. Prepare response letter to document SD DENR and City comments and discuss work being done to incorporate comments and changes into final Permit Renewal documents.
- 1.08 Attend and Coordinate Meetings as necessary.

The Consultant shall schedule and participate in meetings. The consultant shall prepare an agenda, take minutes, and distribute minutes.

- A. Attend and Coordinate onsite meetings. The following meetings are anticipated.
 - Kick-off Conference: Meet with City staff to detail project concept and scope.
 - Meeting between City of Rapid City and SD DENR in Pierre (2 meetings used to establish budget, initial meeting, and Draft Submittal Review Meeting, however the actual number of meetings is subject to change).
 - Meeting between City Solid Waste and City Water Reclamation (1 meeting will be used to establish budget however the actual number of meetings is subject to change).
 - Monthly progress meetings and Interim Reviews (6 meetings will be used to establish budget however the actual number of meetings is subject to change).



- B. Coordinate and Attend offsite or teleconference meetings. The following meetings are anticipated.
- Ongoing coordination meetings with City Project Management and FMG Project Manager. The respective managers will be responsible for coordinating with others in their organizations for attendance as needed. (6 meetings will be used to establish budget however the actual number of meetings is subject to change).
 - Ongoing coordination meetings with City Project Management and SD DENR Solid Waste staff (4 meetings will be used for to establish budget however actual number of meetings is subject to change)

1.09 Final Permit Renewal Application. This task consists of all services necessary to take project from Preliminary Permit Renewal through to Final Permit Renewal.

- A. Address City and SD DENR comments from Task 1.07 review(s) and finalize Permit Renewal Application.
- B. Provide up to four (4) copies and a PDF version of the finalized Permit Renewal Application for Final Review submittal. Update from Preliminary to Final Permit Renewal Application after submittal review by City.
- C. City Meetings during Final Permit Renewal. The consultant shall prepare an agenda, take minutes, and distribute minutes. Final Review Meeting (100% Permit Renewal)
- D. SD DENR Coordination. Coordinate with SD DENR to discuss Final Review Submittal. If necessary conduct and coordinate meeting with City and DENR staff. An onsite meeting in Pierre is not anticipated for this task. The Consultant shall prepare an agenda, take minutes, and distribute minutes.
- E. Address Final Review Comments by City of Rapid City and SD DENR.
- F. Provide Final Permit Renewal Applications

Upon document release by the City Project Manager, deliver the following:

- Provide City with up to four (4) copies and a PDF version of documents including complete permit renewal applications for the Solid Waste Operations Permit. The Biosolids Management Permit will be printed by the City for the City records.
- Provide City complete plans on CD compatible with AutoCAD Release 2011 or newer format.
- Provide City all topographic, control, and Permit Renewal points in the .dwg file and in tabular format, both on CD and on hard copy printout.
- Provide all final Permit Renewal documents in PDF format on a CD.
- Print SD DENR up to three (3) copies of the Final Solid Waste Operations Permit documents to SD DENR for review. The consultant will also coordinate, print and



package up to six (6) copies of the Final Biosolids Management Permit Renewal Application and supporting documents.

- 1.10 Assembly of all documents and appendices for a 2018 Permit Renewal Document for City archives. The intent of this task is to produce a standalone document that includes all referenced information under one cover. This task assumes that additional meetings with the City Project Management and Operations will be required to compile all pertinent documents and information into the appropriate appendices. Does not include design work, modeling, engineering analysis or studies. This task assumes all information is available, complete and accessible. In the event the document does not exist or cannot be located or is incomplete, recreation of the documents is not included in the scope of this contract. This task will be separate from the work required to provide SD DENR with a Final Permit Renewal Application and may occur under an extended schedule from that of the Final Permit Renewal Application submittal.
- A. Compile documents referenced in the SD DENR Permit Renewal Application for construction projects completed post 2014. This assumes no engineering design work or calculations will be required for this task. This task assumes the information is existing, complete, accurate and readily available and accessible and does not need to be reproduced or corrected. To the extent available, the information referenced in the Permit Renewal Application will be compiled and included in an appendix to the City's Solid Waste Permit Renewal Document. This task may require some re-formatting of existing information but does not assume reproduction of any information.
 - B. Compile Landfill Operations Plan. To the extent available, the information referenced in the Permit Renewal Application will be compiled and included in an appendix to the City's Solid Waste Permit Renewal Document. This task may require some re-formatting and merging of existing information but will not include the reproduction or re-typing of any information or data. This task will also include a brief narrative to be included in the associated appendix regarding reference information, dates, missing information, and any other pertinent information found in the review. This task may require some re-formatting of existing information but does not assume reproduction of any information.
 - C. Compile Landfill Equipment List. To the extent available, the information referenced in the Permit Renewal Application will be compiled and included in an appendix to the City's Solid Waste Permit Renewal Document. This task may require some re-formatting and merging of existing information but will not include the reproduction of any information. This task will also include a brief narrative to be included in the associated appendix regarding reference information, dates, missing information, and any other pertinent information found in the review. This task may require some re-formatting of existing information but does not assume reproduction of any information.
 - D. Compile Closure/Postclosure Plan. To the extent available, the information referenced in the Permit Renewal Application will be compiled and included in an appendix to the City's Solid Waste Permit Renewal Document. This task may require some re-formatting and merging of existing information but will not include the reproduction of any information. This task will also include a brief narrative to be included in the associated appendix regarding reference information, dates, missing information, and any other pertinent information found in the review.
 - E. Financial assurance task. To the extent available, the information referenced in the Permit Renewal Application will be compiled and included in an appendix to the City's Solid Waste



- Permit Renewal Document. This task may require some re-formatting and merging of existing information but will not include the reproduction of any information. This task will also include a brief narrative to be included in the associated appendix regarding reference information, dates, missing information, and any other pertinent information found in the review.
- F. Compile Litter Control Plan. To the extent available, the information referenced in the Permit Renewal Application will be compiled and included in an appendix to the City's Solid Waste Permit Renewal Document. This task may require some re-formatting and merging of existing information but will not include the reproduction of any information. This task will also include a brief narrative to be included in the associated appendix regarding reference information, dates, missing information, and any other pertinent information found in the review. This task may require some re-formatting of existing information but does not assume reproduction of any information.
 - G. Compile Source Reduction and Recycling Plan. To the extent available, the information referenced in the Permit Renewal Application will be compiled and included in an appendix to the City's Solid Waste Permit Renewal Document. This task may require some re-formatting and merging of existing information but will not include the reproduction of any information. This task will also include a brief narrative to be included in the associated appendix regarding reference information, dates, missing information, and any other pertinent information found in the review. This task may require some re-formatting of existing information but does not assume reproduction of any information.
 - H. Prepare Executive Summaries. Executive summaries for each appendix will be prepared for publishing at the beginning of the document detailing the information contained in each appendix, the source of the information, required updates, and any incompleteness or errors found.
 - I. Field Survey for Landfill Operations Utility Map. Determine locations of existing above ground and below ground infrastructure as required for an overall Landfill Operations Utility Map. A third-party locator may be required. This will likely be a more in-depth exhibit than the stand-alone exhibit for the permit renewal process and may occur under an extended schedule from the same critical path schedule as the permit renewal milestones.
 - J. Prepare updated Site Maps for Landfill Operations Utility Map records. Some topographic survey will be required to prepare updated site maps; however, maps will largely be produced by utilizing as-built information from past projects and 2015 City GIS contour data, while incorporating drone imagery and contours. This will likely be a more in-depth exhibit than the stand-alone exhibit for the permit renewal process and may occur under an extended schedule from the same critical path schedule as the permit renewal milestones.
- 1.11 Project management. This task is for FMG's Project Manager and Administration for project coordination, management, invoicing, and project summary information report preparation. Monthly invoices will include project summary reports and budget and schedule tracking documents. All invoicing will utilize City voucher forms.
- 1.12 Public Hearing Supplemental Support Services. As part of the standard Solid Waste Permit renewal process, DENR will publish the Permit Renewal Application and the Public will have an opportunity to challenge the document. Although this is not typical, if challenged, a hearing is possible. This task includes hearing support services for the Final Permit Renewal Application as



submitted. This work may include providing letters and narrative discussing the submitted information and may require the work of the Peer Reviewers, RESPEC and Franklin Engineering. This task shall not include the collection, preparation, or submittal of additional data or engineering work. Additional data or supporting documentation other than what was submitted for the Final Permit Renewal Application is not considered part of this task. This task assumes a limited amount of hours of and a set budget amount and is not be an open-ended task. The budget for this task is set for of up to 40 hours of work by FMG and up to 20 hours of work for RESPEC and 4 hours for Franklin Engineering. Additionally, up to two (2) days of testimony is included, assuming 16 hours total for two (2) FMG engineers and one (1) RESPEC engineer and includes travel and lodging. This task assumes that if a hearing occurs it will be held in Pierre, SD. No work on this task will occur without written approval from the City Project Manager.

SCHEDULE MILESTONES

Following are possible schedule milestone dates. These dates are goals and will be finalized as described in task 1.02.

| | |
|---|------------------------------|
| Notice to Proceed with Task 1 (Permit Renewal) | On or about January 25, 2019 |
| Draft Permit Renewal Applications Submittal to City | On or before March 1, 2019 |
| Final Permit Renewal Applications Submittal to City and SD DENR | On or before April 1, 2019 |
| Project 100% Complete | On or before August 1, 2019 |

Schedule milestones assume no unforeseen or additional requirements of permit renewal process. The City and FMG agree to promptly notify the other if at such time they become aware of an unforeseen requirement or schedule issue.

In general, assumes City will respond to official submittals within seven (7) working days of receipt. More informal submittals requiring only City Project Manager review may have a shorter turnaround. This turnaround schedule will also be finalized in more detail as described in Task 1.02.

Assumes no delay in Permit Renewal related to reviews by SD DENR. Assumes Permit Renewal work can continue during SD DENR reviews.

Assumes no additional engineering work, data collection, field work or studies will be required by SD DENR for permit renewal.

