REQUEST FOR PROPOSAL (RFP #1-21)

FOR

CITY OF CHEYENNE LANDFILL MAPPING AND SURVEYING SERVICES

CITY OF CHEYENNE, WYOMING

Date:

December 17, 2020

Issued by:

Public Works Department
City of Cheyenne, Wyoming

Proposal Statements due:
Friday, January 29, 2021, 3:00 P.M.

at:

City of Cheyenne
Purchasing Division, Attn: TJ Barttelbort
2101 O'Neil Avenue, Rm. 309
Cheyenne, WY  82001
(307) 773-1045
The City of Cheyenne, Wyoming, hereby requests proposals for Mapping and Surveying Services as written in the attached Exhibit A. The Proposer shall be Professionally licensed in the State of Wyoming. Consultant and subcontractors shall be registered with the Secretary of State of Wyoming to do business in Wyoming.

Proposers shall submit, in writing, information outlined under Section B, Proposal Format. The submittal shall address the selection criteria as listed herein and such other data as may be useful in evaluating the ability of the firm to perform the work required. Proposals should be short and concise.

Information contained in the Request for Proposal and in the proposal submitted by the winning Consultant shall be incorporated by reference into and be considered part of the contract between the City and the firm selected.

A. PROPOSAL SUBMITTAL

To be considered, proposals must be received by the City at the following location before 3:00 P.M. ON FRIDAY, JANUARY 29, 2021 AT:

City of Cheyenne
Purchasing Office
2101 O’Neil Avenue, Room 309
Cheyenne, Wyoming 82001
Attn: TJ Barttelbort

Any proposal received after that time shall not be considered but shall be returned unopened to the proposer. Telegraphic or fax submittals shall not be considered.

Proposers are advised that, consistent with provisions of the City of Cheyenne’s policy for the procurement of professional architectural and engineering services, the City shall utilize a two-step process for selecting a Consultant through this solicitation. This process dictates that proposers divide their submittals into two parts: a technical proposal and a price proposal. Proposers shall submit their technical proposals and price proposals simultaneously on the date and time specified in this RFP, sealed in separate, clearly marked envelopes, as follows:

1. **Technical Proposal:** One (1) original copy of the technical proposal, bound together with all required attachments, and one (1) electronic copy in PDF format via USB Flash Drive, in a sealed envelope and clearly marked with the following information: (a) the phrase “City of Cheyenne Landfill Mapping and Surveying Services – Technical Proposal”; (b) the date and time specified for receipt of proposals; and (c) the name and address of the proposer.

The submission included via USB Flash Drive shall be in PDF Format and shall contain only One (1) File. (Please merge all documents relating to your proposal into one single PDF document.)
2. **Price Proposal:** Price proposals are to be submitted in accordance with the requirements of this section and as follows: Submit one (1) original copy in a separate sealed envelope and clearly marked with the following information: (a) the phrase “City of Cheyenne Landfill Mapping and Surveying Services – Price Proposal”; (b) the date and time specified for receipt of proposals; and (c) the name and address of the proposer.

Proposers are advised that proposal content and completeness are most important, and that clear and effective presentations are preferred, with unnecessarily elaborate, decorative or extraneous materials discouraged. Each section within the proposal shall be clearly defined for easy reference. All blank spaces must be filled in (e.g., the number “0”, the word “None” or the words “Not Applicable” or “NA” are to be inserted, where appropriate, on the forms).

REMAINDER OF PAGE INTENTIONALLY LEFT BLANK
PROPOSAL SUBMITTAL – COVID-19 ADDITIONAL DETAILS:

Due to the Corona Virus COVID-19, and remote working of the City of Cheyenne Municipal Building, all bids shall be submitted via postal or courier service (USPS, FedEx, UPS), in order to minimize the risk of potential exposure to Corona Virus COVID-19. Bids may also be submitted in person, via external drop box. The drop box is located at City of Cheyenne Municipal Building, 2101 O’Neil Avenue. The drop box is mounted on the wall at the West facing public entrance (As you are approaching the facility off of O’Neil, facing the doors, the drop box is located on the right hand (South) wall (Photos below for reference). All bids shall be delivered by the above date and time. DO NOT USE THE USPS BLUE MAIL DROP BOX. Any Proposer intending to drop off a Proposal prior to the day of the submission deadline, shall notify the Purchasing Manager via phone (307) 773-1045 or E-Mail tbartelbort@cheyennecity.org so that their Proposal may be retrieved from the drop box. Please contact the Purchasing Manager with any further clarifications about how to submit Proposals.
B. PROPOSAL FORMAT.

The proposer shall use the following format when preparing their proposal:

1. **Technical Proposal (Envelope #1).**

   a. **Project Team.** Provide a description of the proposed project team structure and internal controls to be used during the project, including any subcontractors. Provide an organizational chart indicating lines of authority.

   Identify key project team members who will be assigned to the potential contract, indicating the responsibilities and qualifications of each member, and include the amount of time each will be assigned to the project. The office of the project team members not located in Cheyenne should be identified. Provide detailed resumes’ (not to exceed two (2) pages per person) for the named key project team members, which include information on the individual’s particular skills related to this project, education, experience, significant accomplishments and any other pertinent information. Proposers shall commit that staff identified in its Proposal will actually perform the assigned work. Any staff substitution must have the prior approval of the City.

   If the proposer intends to utilize one or more sub-consultants to complete a portion of the Project, all such firms must be listed on Attachment B-3. The proposer shall describe the relevance of each firm to the Project and explain past relationships between the proposer (the legally responsible entity) and each sub-consultant.

   b. **Examples.** Proposal shall include an example(s) of an Isopach and Airspace Utilization report that would be representative of the work the City can expect. Also include an example of a detailed map with grids and marked landscape features.

   d. **Scope of Work.** All proposers will commit at a minimum to the services outlined in **Exhibit A, Scope of Work,** of the proposed Professional Services Agreement. The proposer may supplement the draft Scope of Work with any additional work or clarification of work that is determined necessary for the successful completion of the project.

   e. **References.** List at least three (3) current Landfill customers that use mapping and surveying services. Use additional sheets if more than three (3) references are provided. Provide the following information for each reference: Client Name, Address, Contact Person, Telephone, monthly tonnage delivered.

   f. **Other Information.** Any additional information the proposer feels would
be useful to the committee in evaluating the proposal should be placed in this section.

g. **Specific Information.** The proposer should carefully review Exhibit A, Scope of Work and attachments, in the attached Professional Services Agreement. This exhibit provides background and other information as well as directions necessary for proposal preparation.

h. **Proposal Submittal Checklist.** This form (Attachment B-1) must be completed and signed by the proposer and attached to the outside of the technical proposal envelope to ensure completeness of submittal.

Any proposal not submitted in this format shall be deemed to be non-responsive and shall not be considered further by the City. The signer of the proposal must declare that the only person(s), company or parties interested in the contract as principals are named herein; that it is, in all respects, fair and in good faith without collusion or fraud; and that the signer of the proposal has the authority to bind the principal proposer.

2. **Price Proposal (Envelope #2).**

a. **Cover Letter.** Identify the proposer’s name, mailing address, telephone number and contact person(s). The letter must be signed by the proposer and should be limited to two (2) pages. Consortiums, joint ventures or teams submitting proposals, although permitted and encouraged, will not be considered to be responsive unless it is established that all contractual responsibility shall rest solely with one consultant or one legal entity, which shall not be a subsidiary or affiliate with limited resources. Each submittal shall indicate the entity responsible for execution on behalf of the team.

b. Provide a complete line item budget for all phases of the work listed in **Exhibit B**, with a breakdown of each phase, as necessary to complete the Project as specified in the RFP, its attachments and other documents referenced. Each proposer shall certify that its price proposal shall remain valid for a period of at least one hundred twenty (120) days. In the event that a contract award by the City is delayed beyond the 120-day period, such award shall be conditioned upon the proposer’s acceptance.

C. **ADDENDA.**

Any and all Proposers may make inquiries in writing to CITY at any time prior to **12:00 PM local time on January 8, 2021.** Any written question of a Proposer regarding the meaning or interpretation of the RFP, work scope, specifications, etc., must be submitted to the CITY prior to the above specified date. The City shall make reasonable efforts to ensure that clarifications given to any prospective Proposer shall be similarly furnished to all prospective Proposer in summary form as an addendum to this RFP if the lack of such information could reasonably be considered prejudicial towards uninformed respondents. No technical assistance shall be given
by the CITY to any Proposer in preparation of its response. Any verbal inquiries by Proposers, or verbal responses by the CITY shall not be binding. The City intends to respond to all questions and inquires no later than, **January 15, 2021 at 5:00 p.m.**

Written inquiries shall be directed to:

**TJ Barttelbort, Purchasing Manager**  
City of Cheyenne  
2101 O’ Neil Ave., Rm. 309  
Cheyenne Wyoming 82001  
Phone # 307-773-1045  
E-mail: tbarttelbort@cheyennecity.org

Any or all changes, additions, or clarifications in connection with this RFP shall be issued by the CITY in the form of written addenda. Oral comments, responses and/or representations shall not be binding upon the CITY.

Any or all changes, additions, or clarifications in connection with this RFP shall be issued by the City in the form of written addenda. Each proposer must sign the “Acknowledgment of Receipt of RFP Addenda” form (Attachment B-2) and submit the executed form with its proposal. The CITY will consider as incomplete any response in which all addenda are not acknowledged and this will be a basis for response rejection.

**D. DISCLOSURE OF PROPOSAL CONTENTS.**

All proposals and supporting documents, except such information that discloses proprietary or financial information submitted in response to qualification statements, becomes public information held in custody of the City after the proposal submittal date given in this RFP. The City assumes no liability for the use or disclosure of technical or cost data submitted by any proposer.

Nevertheless, if a proposal contains information that the proposer does not want disclosed to the public, or used for any purpose other than the evaluation of this offer, all such information must be indicated with the following or similar statement:

> The information contained on pages _____ shall not be duplicated or used in whole or in part for any purpose other than to evaluate the proposal provided. If a contract is awarded to this firm as a result of the submission of such information, the City of Cheyenne shall have the right to duplicate, use or disclose this information to the extent provided in the contract. This restriction does not limit the City of Cheyenne’s right to use the information contained herein if obtained from another source.

All such nondisclosure items specified in the proposal shall be subject to disclosure as provided in the Wyoming Public Records Act or as otherwise provided by law.
E. **PROPOSAL PROTEST PROCEDURES.**

Proposers are advised that the City shall administer any protest initiated by a protesting party concerning this solicitation in the following manner:

1. The protesting party may submit a written protest prior to the due date for proposals stated elsewhere in this RFP, unless the protesting party did not know or could not have known of the facts giving rise to such protest prior to the proposal opening. The protest shall be submitted within three (3) calendar days after the protesting party should have known of the facts giving rise thereto.

2. Upon receipt of a timely written protest, the City shall not proceed further with the solicitation or contract award before all administrative remedies have been exhausted, or until the City’s Director of Purchasing determines that a contract award without delay is necessary to protect the interests of the City.

3. Timely protests shall be reviewed by the City’s Director of Purchasing, who shall consider all facts, technical support, and justification submitted by the protesting party, and in a timely manner render a decision on behalf of City as to the validity of the protest and the disposition thereof. The City’s Director of Purchasing may request additional information from the protesting party to clarify or support its protest, in which case such information shall be supplied in writing by the protesting party within three (3) calendar days following the City’s request.

4. All matters in dispute between the City and a protesting party that are not resolved through the appeals process, will be decided in the Laramie County District Court, which shall have exclusive jurisdiction. All matter in dispute related to this RFP shall be governed by laws of the State of Wyoming.

F. **OMISSION OF DETAILS.**

No advantage shall be taken by any proposer as a result of the omission of any parts or details which are necessary for the provision of detailed design and engineering services even though such details may not be mentioned in this RFP.

G. **SELECTION PROCESS.**

Each responsive proposal received by the City shall be evaluated in a consistent manner as described in this subsection. A responsive proposal is one which complies with all material aspects of the solicitation, both as to the method and timeliness of submission, and as to the substance of any resulting contract. Prospective proposers are advised to submit all required forms, attachments, and other information as requested in the RFP. Proposals that do not comply with all the terms and conditions of the solicitation may be rejected as non-responsive.

As noted above, the City shall utilize a two-step evaluation process for selecting a Consultant through this solicitation. The two-step process dictates that proposers make submittals in two parts: a *technical proposal* and a *price proposal*. It is the intent of the City to first evaluate all
technical proposals in order to establish a quantitative ranking of the proposals exclusive of price. The City shall use this process to identify one or more proposers who are considered to be best qualified to perform the work required by the City.

All responsive technical proposals will be reviewed by an evaluation committee comprised of Public Works and may include Engineering, and other personnel to be selected by the City. A weighted evaluation methodology shall be used to rank each proposal, using the evaluation criteria and relative weighting indicated on Attachment A-1.

After review of the technical proposals, a weighted evaluation methodology shall be used to rank each proposal, using the evaluation criteria and relative weighting indicated on Attachment A-2.

The City shall unseal the price proposals and initiate negotiations with the highest ranked proposer toward a final contract containing the detailed scope of work and budget. If negotiations with the first selected proposer are unsuccessful, negotiations with the second highest ranked proposer will be pursued, followed by the third proposer, if necessary, to secure a contract. In the event the City is unable to secure an agreement with any of the qualified proposers, this procurement may be terminated at the City’s option.

The City reserves the right to delay making an award as necessary to permit proper study and analysis of all proposals received, to split award on proposals, to reject any or all proposals received, and to make a pre-award survey to determine the capability of any or all proposers. The City reserves the right to reject any or all proposals if it believes there is a sound documented business reason for doing so, and to negotiate matters of Consultant’s performance, project schedule and other issues not directly related to the proposal price submitted prior to awarding a contract. The City further reserves the right to cancel the procurement process at any time during the evaluation process if it appears that the proposals received are not suitable for any reason whatsoever.
**H. SELECTION PROCESS SCHEDULE (TENTATIVE)**

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>December 17 &amp; 24, 2020</td>
<td>Legal Advertisement</td>
</tr>
<tr>
<td>January 8, 2021</td>
<td>Questions Due to City</td>
</tr>
<tr>
<td>January 15, 2021</td>
<td>Addendum Response Deadline</td>
</tr>
<tr>
<td>January 29, 2021</td>
<td>Proposals due from Consultants</td>
</tr>
<tr>
<td>February 1-5, 2021</td>
<td>Review committee completes final selection</td>
</tr>
<tr>
<td>February 8-12, 2021</td>
<td>Professional Services Agreement finalized</td>
</tr>
<tr>
<td>February 17, 2021</td>
<td>Agreement placed on City Council Agenda</td>
</tr>
<tr>
<td>February 22, 2021</td>
<td>City Council Meeting No.1: Agreement referred to Finance Committee</td>
</tr>
<tr>
<td>March 1, 2021</td>
<td>Agreement discussed in Finance Committee</td>
</tr>
<tr>
<td>March 8, 2021</td>
<td>City Council Meeting No. 2: Agreement approved/not approved</td>
</tr>
<tr>
<td>Week of March 8, 2021</td>
<td>Notice-to-proceed issued by City if Agreement approved</td>
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</tbody>
</table>
**ATTACHMENT “A-1”**

**FIRST ROUND CONSULTANT PROPOSAL EVALUATION CRITERIA WEIGHTING**

<table>
<thead>
<tr>
<th>CRITERIA</th>
<th>DESCRIPTION</th>
<th>WEIGHT</th>
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<tbody>
<tr>
<td>Applicable experience</td>
<td>Experience in Landfill Services and Operations.</td>
<td>20</td>
</tr>
<tr>
<td>Isopach Example</td>
<td>Detailed example report, showing all aspects as outlined in Exhibit A, Task 2.</td>
<td>25</td>
</tr>
<tr>
<td>Airspace Utilization Report</td>
<td>Detailed example of an AUR.</td>
<td>25</td>
</tr>
<tr>
<td>Mapping Accuracy</td>
<td>Example of a Grid Map.</td>
<td>15</td>
</tr>
<tr>
<td>Adequate Resources</td>
<td>Physical location of Surveyor relative to the City of Cheyenne.</td>
<td>10</td>
</tr>
<tr>
<td>Proposal</td>
<td>Readability, completeness, brevity, and organization of the proposal.</td>
<td>5</td>
</tr>
</tbody>
</table>

**TOTAL** 100
## ATTACHMENT “A-2”

### SECOND ROUND CONSULTANT PROPOSAL EVALUATION (INTERVIEWS)

#### CRITERIA WEIGHTING

<table>
<thead>
<tr>
<th>EXAMPLES</th>
<th>SCORE</th>
<th>COMMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISOPACH</td>
<td>25</td>
<td></td>
</tr>
<tr>
<td>GRID MAP</td>
<td>25</td>
<td></td>
</tr>
<tr>
<td>AUR</td>
<td>25</td>
<td></td>
</tr>
<tr>
<td>DETAILED INFORMATION</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>EXPERIENCE IN LANDFILL</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>100</strong></td>
<td></td>
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</tbody>
</table>

List reasons you have for recommending a particular firm:
______________________________________________________________________________
______________________________________________________________________________
______________________________________________________________________________
______________________________________________________________________________

List reasons you have for rejecting a particular firm:
______________________________________________________________________________
______________________________________________________________________________
______________________________________________________________________________
______________________________________________________________________________

General comments/clarifications/questions:
______________________________________________________________________________
______________________________________________________________________________
______________________________________________________________________________
______________________________________________________________________________

Date: _____________________
ATTACHMENT “B-1”
PROPOSAL SUBMITTAL CHECKLIST

This form must be completed and returned with the proposal submittal.

<table>
<thead>
<tr>
<th>Attachment</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>B-1</td>
<td>Proposal Submittal Checklist</td>
</tr>
<tr>
<td>Envelope #1</td>
<td>Technical Proposal</td>
</tr>
<tr>
<td></td>
<td>Sealed Envelope with required information on front</td>
</tr>
<tr>
<td></td>
<td>Signed Cover Letter</td>
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<tr>
<td></td>
<td>Project Team</td>
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<td>Schedule</td>
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<td>Project Area</td>
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<td></td>
<td>Scope of Work</td>
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<tr>
<td></td>
<td>References</td>
</tr>
<tr>
<td></td>
<td>Project Specific Information</td>
</tr>
<tr>
<td>B-2</td>
<td>Acknowledgment of Receipt of RFP Packet, Sample Agreement and Addenda</td>
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<tr>
<td>B-3</td>
<td>Use of Sub-consultants</td>
</tr>
</tbody>
</table>

| Envelope #2 | Price Proposal                                                              |
|             | Sealed Envelope with required information on front                          |
|             | Signed Cover Letter                                                         |
|             | Project Fee Proposal with breakdown                                         |

Signature of Proposer:_____________________________________________________

Date:___________________________________________
ATTACHMENT “B-2”

ACKNOWLEDGMENT OF RECEIPT OF RFP PACKET, AND ADDENDA

The undersigned hereby acknowledges receipt of the City of Cheyenne Request for Proposals (RFP) packet for City of Cheyenne Landfill Mapping and Surveying Services, including, Scope of Work, Compensation Schedule, and the following addenda issued during the procurement process.

Addendum #1: ________________________________ dated ________________

Addendum #2: ________________________________ dated ________________

Addendum #3: ________________________________ dated ________________

Failure to acknowledge receipt of the proposal packet, sample Agreement, and all addenda may cause the proposal to be considered non-responsive to this solicitation.

Name of Proposer: ___________________________________________________________

Signature of Proposer: __________________________________________________________

Date: ______________________________________________________________________
### ATTACHMENT “B-3”
#### USE OF SUB-CONSULTANTS

<table>
<thead>
<tr>
<th>Sub-consultant Name/City/State</th>
<th>Est. Value of Work</th>
<th>Work Tasks to be Assigned</th>
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<tbody>
<tr>
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<tr>
<td>Total Value of Sub-contracts</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
EXHIBIT A
SCOPE OF WORK

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Attachments and Maps

Attachment A: Phase 1 Vertical Expansion
Attachment B: Phase 1 and Phase 2 Permitted Area
EXHIBIT A

SCOPE OF WORK

CITY OF CHEYENNE LANDFILL MAPPING AND SURVEYING SERVICES

Section 1: Operations Overview and Background

The City of Cheyenne is seeking bids for Professional Services for Mapping, Air Space Utilization Calculations, Isopach Figures, and Grid Generation in support of the Happy Jack Landfill. The Landfill is located approximately 10 miles west of the City of Cheyenne at 1461 Happy Jack Rd. The landfill has been in operation since 1966 and sits on 200 acres of permitted land owned by the City. In 2018, the City successfully permitted an additional 60 acres for new cell construction that is estimated to begin in 2021. Additionally, the current landfill was approved for a vertical expansion on Cells 3, 4 and 5, which are lined with geotextile membrane.

The landfill currently accepts up to 46,300 tons of Municipal Solid Waste (MSW) and 13,000 tons of Construction and Demolition (C&D) waste a year.

1.1: Landfill Breakdown: Phase 1 and Phase 2

Phase 1 of the landfill sits on 200 permitted acres. Approximately 70 acres of the Landfill is MSW and C&D. This area has been active since 1991. The rest of the permitted boundary consists of a closed portion of the original landfill (closed in 1991), Petroleum Contaminated Soils treatment area (no longer in use) and a C&D recycling tent building. Phase 1 was originally permitted for 8,000,000 cubic yards of airspace. In 2018 the Department of Environmental Quality (DEQ) approved a vertical expansion over a portion of the active Landfill area. The Vertical expansion gave the landfill an additional million cubic yards of airspace (see plan title “Phase 1 Final Cover Plan”). All current filling operations are conducted in the vertical expansion area.

Phase 2 of the Landfill is what was permitted through DEQ in 2018. The DEQ allowed the City to permit an additional 60 acres for the construction of eight cells with a total capacity of 7.2 million cubic yards. Construction of two cells is anticipated in 2021 (see map title “Existing Conditions”).

1.2: Known Survey Points

There are multiple known survey points around the landfill to orient drones. However, those locations are not known by the Landfill Manager or Staff.

Section 2.0: Contractor Responsibilities

This section focuses on the services and pricing options provided by the Contractor. Exhibit B is the pricing sheet for both tasks that will be provided by the contractor and/or subcontractor.
2.1: Exhibit B Explanation:

Exhibit B is to be completed by the Contractor and will be considered part of the contract.

2.2: Task 1 – Map and Grid Generation

The Contractor shall complete the following related services as part of this task:

A. Develop a new base map for the landfill. This will include a new site topography map identifying property boundaries, culverts, roads, buildings, municipal solid waste (MSW) and construction and demolition debris (C&D) waste boundaries, fencing, wind turbines and other features of the site. The map is to include all 260 acres of permitted boundary. The map will need to clearly indicate phase 1 fill areas and have grids assigned to the phase 1 vertical expansion area. The map will also be used for Storm Water Pollution Prevention Planning.

B. Phase 1 landfill area, Contractor will prepare three grid plans that can be used by staff in the field to orient themselves to filling needs of the landfill.

C. Have a Wyoming Licensed Surveyor stake out the grid pattern at the Landfill, relative to the map grid generation.

D. All mapping data prepared as a part of this task will be provided to the City in AutoCAD format. Files will be organized and named in an orderly fashion.

2.3: Task 2 – Air Space Utilization Calculations and Isopach Figures

The Contractor shall complete the following related services as part of this task:

A. Calculate the Airspace Utilization factor of the MSW and C&D. The City will provide the contractor with tonnage data for the airspace utilization period to be used in the calculation. It is the Contractor’s responsibility to collect all survey data necessary for this task. Surveyor must be a Wyoming Licensed Professional Surveyor. All surveyor information prepared as part of this project will be provided to the City in AutoCAD format. Files will be organized and named in an orderly fashion.

B. Write a letter report summarizing the findings of the airspace utilization calculation. The report will include the following drawings:
   a. Existing conditions
   b. Final top-of-waste contours
   c. Isopach between the existing conditions and final top-of-waste contours that shows the depth of fill remaining to top of trash.
   d. Isopach between the existing conditions and the survey taken at the time of the Map and Grid Generation as part of Task 1. (Note that the new base map survey defined in Task 1 will be the survey taken at the beginning of the airspace utilization period. A second survey of the MSW and C&D areas will be completed on a separate trip to calculate the Airspace Utilization Calculation.)
   e. Calculations and data prepared and/or developed as part of this project will be provided to the City in a Microsoft Excel format. The report will be provided in an electronic pdf format.

C. Have a Wyoming Licensed Surveyor come out to the Landfill on three separate occasions per year to perform grade checks, boundary checks, and grid stakes.
1. EXISTING GROUND TOPOGRAPHY DEVELOPED FROM LiDAR SURVEY CONDUCTED BY WESTERN RESEARCH AND DEVELOPMENT IN APRIL 2013 AND 2007.
2. COORDINATES, BEARINGS, AND DISTANCES ARE BASED ON WYOMING STATE PLANE COORDINATE SYSTEM, EAST ZONE, U.S. SURVEY FEET.
3. VERTICAL DIRECTIONS ARE BASED ON WYOMING STATE PLANE COORDINATE SYSTEM, U.S. SURVEY FEET.
4. LIMIT OF WASTE WITHIN PHASE 1 AND LINER SYSTEM LIMITS WERE DETERMINED BY SOLID WASTE PROFESSIONALS OF WYOMING (SWPW) BASED ON A COMBINATION OF TEST PIT EXCAVATIONS, POTHOLE INVESTIGATIONS, EXISTING T-POST MARKERS, AND HISTORIC LANDFILL DRAWINGS.
5. FINAL COVER GRADES ARE BASED ON THE PREVIOUSLY PERMITTED EXPANSION FINAL COVER GRADES AS DESIGNED BY TERRACON AND APPROVED BY THE WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY (WDEQ) IN MAY 2006. REVISIONS TO THE PREVIOUSLY PERMITTED FINAL COVER GRADES WERE MADE TO ACCOMMODATE A VERTICAL EXPANSION OVER AREAS WITH LINER SYSTEMS THAT WERE CONSTRUCTED TO MEET THE CURRENT SOLID WASTE REGULATION REQUIREMENTS AND TO COVER THE EXTENTS OF WASTE AS DETERMINED BY SWPW IN 2016 (SEE NOTE 4).
6. FINAL COVER GRADES ARE APPROXIMATE, AS THEY ARE BASED ON LIMITED FIELD DATA AND SITE KNOWLEDGE. THE EXTENT OF WASTE SHALL BE DETERMINED WITH A GREATER DEGREE OF PRECISION AT THE TIME OF FINAL COVER CONSTRUCTION AND ADJUSTMENTS OF THE FINAL COVER GRADES SHALL BE MADE AT THAT TIME TO ENSURE THAT ALL WASTE IS ADEQUATELY COVERED.
7. GAS VENT LOCATIONS ARE APPROXIMATE, BASED ON 200-FT CENTER SPACING. EXACT LOCATIONS OF GAS VENTS WILL BE DETERMINED PRIOR TO INSTALLATION.
1. EXISTING GROUND TOPOGRAPHY DEVELOPED FROM LIDAR SURVEY CONDUCTED BY WESTERN RESEARCH AND DEVELOPMENT IN APRIL 2013 AND 2007.
2. COORDINATES, BEARINGS, AND DISTANCES ARE BASED ON WYOMING STATE PLANE COORDINATE SYSTEM, EAST ZONE, U.S. SURVEY FEET.
3. VERTICAL DATUM IS NAVD88, GEOID09, U.S. SURVEY FEET.
5. IN ACCORDANCE WITH VARIANCE CONDITION #2, THE ENTRANCE GATE TO THE LANDFILL SHALL BE WIDENED TO 30 FEET PRIOR TO WASTE ACCEPTANCE IN THE PHASE 2 LANDFILL EXPANSION TO ALLOW TWO-WAY TRAFFIC.

NOTES
- PU-2
- P-1
- NT-1
- MMW-1
- NO.4
- EXISTING PIEZOMETER
- EXISTING LEACHATE SUMP
- EXISTING METHANE MONITORING WELL
- EXISTING PASSIVE METHANE VENT

OVERHEAD POWERLINES
- OHE

LEGEND
- EXISTING GROUND
- ROADS
- FENCE
- EASEMENT
- PROPERTY BOUNDARY
- LANDFILL PERMITTED FACILITY BOUNDARY
- UNIT OF WASTE
- EXISTING GROUNDWATER MONITORING WELL
- EXISTING CHEYENNE BOARD OF PUBLIC UTILITIES GROUNDWATER PRODUCTION WELL
- EXISTING LEACHATE SUMP
- EXISTING METHANE MONITORING WELL
- EXISTING PASSIVE METHANE VENT

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CAJ
PDS PDS MEM
EXHIBIT B
COST PROPOSAL

Explanations for the following service(s) can be found on Exhibit A, Section 2. If a service is not offered, please indicate with a N/A or NO.

<table>
<thead>
<tr>
<th>Task 1 – Map and Grid Generation</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Develop new base map</td>
<td></td>
</tr>
<tr>
<td>B. Phase 1: Three grid plans</td>
<td></td>
</tr>
<tr>
<td>C. Surveyor Services</td>
<td></td>
</tr>
<tr>
<td>Total:</td>
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</table>

<table>
<thead>
<tr>
<th>Task 2 – Airspace Utilization Factor Calculations (AUF) and Isopach</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Second Survey for AUF for MSW and C&amp;D</td>
<td></td>
</tr>
<tr>
<td>B. AUF Report including Isopach</td>
<td></td>
</tr>
<tr>
<td>C. Surveyor Services</td>
<td></td>
</tr>
<tr>
<td>Total:</td>
<td></td>
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</tbody>
</table>

All mapping data prepared as a part of this task will be provided to the City in AutoCAD format. Files will be organized and named in an orderly fashion.