

ADDENDUM NO. 1

TO: PLANS AND SPECIFICATIONS FOR STATE OF MISSOURI

**DESIGN AND CONSTRUCT LAGOON EXPANSION
WAPPAPELLO TRAINING SITE
WAPPAPELLO, MO
Project No. T2317-01**

Bid Opening Date: 1:30 PM, June 27, 2024 (Not Changed)

Bidders are hereby informed that the construction Plans and/or Specifications are modified as follows:

SPECIFICATION CHANGES:

1. Section 004113 – Bid Form
 - a. The contract completion time was revised to 210 working days in Paragraph 4.0-A. **Bidders must use the attached Bid Form marked REVISED PER ADDENDUM #1 to bid this project.**
2. Section 005213 – Construction Contract
 - a. REVISE Article 2. Time of Completion: "...120 Working Days..." to "...210 Working Days..."
3. ADD Section 444999
 - a. ADD Section 444999 Low Density Linear Polyethylene Membrane Liner to Project Manual.
 - b. See attached.
4. UPDATED Section 000110 Table of Contents
 - a. UPDATED Table of Contents to include Section 444999.
5. UPDATED Section 013300 Submittals
 - a. ADD Product Data Submittal to Section 3.1 A for specification section 444999

DRAWING CHANGES:

1. Add Sheet AD-1 - Addendum 1 Additional Notes
 - a. SEE ATTACHED. PROVIDED INFORMATION FOR DEWATERING LAGOON, SLUDGE REMOVAL, AND LINER ALTERNATIVE OPTIONS.

GENERAL COMMENTS:

1. The Pre-Bid Meeting was held on June 3, 2024 at 10:00 AM. The Pre-Bid Meeting sign-in sheet is attached.

2. Please contact April Howser, Contract Specialist, at 573-751-0053 or April.Howser@oa.mo.gov for questions about bidding procedures, MBE\WBE\SDVE Goals, and other submittal requirements.
3. The deadline for technical questions was June 19, 2024 at noon.
4. Changes to, or clarification of, the bid documents are only made as issued in the addenda.
5. All correspondence with respect to this project must include the State of Missouri project number as indicated above.
6. Current Plan holders list available online at <https://www.oafmdcplanroom.com/jobs/2476/details/t2317-01-design-construct-lagoon-expansion-wappapello-training-site>
7. Prospective Bidders contact American Document Solutions, 1400 Forum Blvd Suite 1C, Columbia MO 65201, 573-446-7768 to order official plans and specifications.
8. **All bids shall be submitted on the bid form without additional terms and conditions, modifications, or stipulations. Each space on the bid form shall be properly filled. Failure to do so will result in rejection of the bid.**
9. **MBE/WBE/SDVE participation requirements can be found in DIVISION 00. The MBE/WBE/SDVE participation goals are 0%/0%/3%, respectively. Only certified firms as of the bid opening date can be used to satisfy the MBE/WBE/SDVE participation goals for this project. If a bidder is unable to meet a participation goal, a Good Faith Effort Determination Form must be completed. Failure to complete this process will result in rejection of the bid.**

ATTACHMENTS:

1. Specification Section 004113 – Bid Form
2. Specification Section 444999.
3. Sheet AD-1
4. Pre-Bid Meeting Sign-In Sheet

June 20, 2024

END OF ADDENDUM NO. 1

Bid Time: 1:30 PM

Bid Date: _____

SECTION 004113 - BID FORM

1.0 BID

A. From:

(Bidder's Name)

herein after called the "**Bidder**".

B. To:

Director, Division of Facilities Management, Design and Construction
Room 730, Harry S Truman State Office Building
301 West High Street
Jefferson City, Missouri 65101

herein after called the "**Owner**."

C. For:

Design & Construct Lagoon Expansion
Wappapello Training Site
Wappapello, MO, Missouri

D. Project Number:

T2317-01

hereinafter called the "**Work**."

E. Documents:

The undersigned, having examined and being familiar with the local conditions affecting the work and with the complete set of contract documents, including the Drawings, the Invitation For Bid, Instructions To Bidders, Statement of Bidders Qualifications, General Conditions, Supplement to General Conditions, and the technical specifications, including: addenda number _____ through _____ hereby proposes to perform the Work for the following:

F. Bid Amount:

_____ Dollars (\$ _____)

2.0 MBE/WBE/SDVE PERCENTAGE OF PARTICIPATION PROJECT GOALS

A. This project's specific goals are: **MBE 0%**, **WBE 0%**, and **SDVE 3%**. NOTE: Only MBE/WBE firms certified by the State of Missouri Office of Equal Opportunity, and SDVE(s) meeting the requirements of Section 34.074, RSMo, and 1 CSR 30-5.010, as of the date of bid opening can be used to satisfy the MBE/WBE/SDVE participation goals for this project.

3.0 BID BOND

A. Accompanying the bid is: ___ 5% Bid Bond or ___ Cashier's Check/Bank Draft for 5% of base bid that is payable without condition to the Division of Facilities Management, Design and Construction, State of Missouri, as per Article 5 of "Instructions To Bidders".

4.0 CONTRACT COMPLETION TIME AND LIQUIDATED DAMAGES

A. The Bidder agrees to complete the work within **210 working days** from the date the Notice of Intent to Award is issued as modified by additional days added by the Owner's acceptance of alternates, if applicable. This includes ten (10) working days for document mailing and processing. The Bidder further agrees to pay to, or allow the State as liquidated damages the sum of \$700 for each working day thereafter that the entire work is not substantially complete.

5.0 ATTACHMENTS TO BID

A. 004336 Proposed Subcontractors

| | |
|--------|---|
| 004337 | MBE/WBE/SDVE Compliance Form |
| 004338 | MBE/WBE/SDVE Joint Venture Form |
| 004339 | MBE/WBE/SDVE Waiver Form |
| 004340 | SDVE Business Form |
| 004541 | Affidavit of Work Authorization |
| 004545 | Anti-Discrimination Against Israel Act Certification form |

6.0 BIDDER'S CERTIFICATIONS

By signing and submitting this bid form, the Bidder certifies as follows:

A. No Undisclosed Interests or Associations, Collusion, or Solicitation of Other Bidders

1. This bid is genuine and is not made in the interest of or on behalf of any undisclosed person, firm, or corporation, and is not submitted in conformity with any agreement or rules of any group, association or corporation.
2. The Bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham proposal.
3. The Bidder has not solicited or induced any person, firm or corporation to refrain from submitting a bid.
4. The Bidder has not sought by collusion or otherwise to obtain any advantage over any other bidder or over the Owner.

B. Accuracy of Contract Documents

The Bidder has based this bid upon an official/complete set of contract documents, either obtained from the Owner or from a secondary source known to the Bidder to have provided a complete and accurate set of contract documents. If the Bidder received the contract documents from such a secondary source, any errors or omissions in the contract documents shall be interpreted and construed in favor of the Owner and against the Bidder. This bid is based upon the conditions within Article 1.2 of the General Conditions.

C. Non-Discrimination

The Bidder will not discriminate against any employee or applicant for employment because of race, creed, color or national origin in the performance of the Work.

D. Prevailing Wage

MISSOURI PREVAILING WAGE LAW (Sections 290.210 to 290.340, RSMo): The Contractor shall pay not less than the specified hourly rate of wages, as set out in the wage order attached to and made part of the specifications for work under this contract, to all workers performing work under the contract, in accordance with sections 290.210 to 290.340, RSMo. The Contractor shall forfeit a penalty to the Owner of one hundred dollars per day (or portion of a day) for each worker that is paid less than the specified rates for any work done under the contract by the Contractor or by any subcontractor, in accordance with section 290.250, RSMo.

DAVIS-BACON ACT: The requirements of the Davis-Bacon Act are not applicable to this project funded, which is funded solely by Coronavirus State and Local Fiscal Recover Funds (SLFRF) under the American Rescue Plan Act (ARPA).

E. Transient Employers

The Bidder will comply with the provisions of Sections 285.230-234, RSMo, regarding transient employers.

F. Federal Work Authorization Program

The Bidder has enrolled and is participating in, and will continue to participate in, a federal work authorization program in accordance with Sections 285.525 and 285.530, RSMo for the duration of any contract awarded because of this bid.

G. Illegal Immigration Reform and Immigrant Responsibility Act (IIRIRA)

1. If awarded contract for this project, the Bidder/Contractor shall only utilize personnel authorized to work in the United States in accordance with applicable federal, state and local laws. This includes, but is not limited to, the Illegal Immigration Reform and Immigrant Responsibility Act (IIRIRA) and INA Section 274A.
2. If found to be in violation of this requirement or any applicable laws, and if the State of Missouri has reasonable cause to believe that the Contractor has knowingly employed individuals who are not eligible to work in the United States, the state shall have the right to cancel the contract immediately without penalty or recourse and suspend or debar the contractor from doing business with the state.
3. The Contractor agrees to cooperate fully with any audit or investigation from federal, state or local law enforcement agencies.

H. Anti-Discrimination Against Israel Act

1. If the awarded Contractor meets the definition of a company as defined in section 34.600, RSMo, and has ten or more employees, the Contractor shall not engage in a boycott of goods or services from the State of Israel; from companies doing business in or with Israel or authorized by, licensed by, or organized under the laws of the State of Israel; or from persons or entities doing business in the State of Israel as defined in section 34.600, RSMo.
2. If, at any time during the life of the contract, Contractor meets the definition of a company as defined in section 34.600, RSMo, and the company’s employees increases to ten or more OR the contractor’s business status changes to become a company as defined in section 34.600, RSMo, and the company has ten or more employees, then the Contractor shall submit to the Division of Facilities Management, Design and Construction a completed Box C of the exhibit titled “Anti-Discrimination Against Israel Act Certification, and shall comply with the requirements of Box C.

I. The Personal Privacy Protection Act

1. If the Bidder provides any “personal information” as defined in §105.1500, RSMo concerning an entity exempt from federal income tax under Section 501(c) of the Internal Revenue Code of 1986, as amended, the Bidder understands and agrees that it is voluntarily choosing to seek a state contract and providing such information for that purpose. The state will treat such personal information in accord with §105.1500, RSMo.

7.0 CONTACT INFORMATION (mandatory for all bidders)

Sole Proprietorship/General Partnership LLC Limited Partnership Corporation Joint Venture

Business Name: _____
 Address: _____
 Telephone: _____ Fax Number: _____
 Federal ID Number: _____ or Social Security Number: _____
 Missouri Business Charter Number: _____ (or provide the proper certificate from the Secretary of State)
 Contact Name: _____ Contact email: _____

8.0 SIGNATURES

FOR SOLE PROPRIETORSHIPS/GENERAL PARTNERSHIPS ONLY

 Sole Proprietor's Name (printed) Name each general partner: _____

 Today's Date: _____

I, _____, being the sole proprietor/general partner of (name of business)
 _____ (and if the name of said business is other than my legal name, having filed a
*Registration of Fictitious Name with the Missouri Secretary of State in order to allow me to use such name in
 connection with my business, as provided by Section 417.200, RSMo, et seq.*), do hereby submit this bid and agree to be
 bound unto the State of Missouri as herein provided (if a general partnership, all partners must sign below).

Signature: _____ Signature: _____
 Signature: _____ Signature: _____

FOR LIMITED LIABILITY COMPANIES ONLY

_____ today's date _____ State(s) of organization: _____
 Manager's (or Managing Member's) Name (printed)

I, _____, being the Manager (or Managing Member) of (full legal name of limited
 liability company from Articles of Organization) _____, and being duly
 authorized to act as herein provided on behalf of said limited liability company, do hereby submit this bid on behalf of
 said limited liability company and agree that said limited liability company shall be bound unto the State of Missouri as
 herein provided.

Signature: _____

FOR LIMITED PARTNERSHIPS/LIMITED LIABILITY PARTNERSHIPS/LIMITED LIABILITY LIMITED PARTNERSHIPS ONLY

_____ today's date: _____ State(s) of organization: _____
 General/Managing Partner's Name (printed)

SECTION 004336 – PROPOSED SUBCONTRACTORS

Project Number: T2317-01

1.0 CONTRACTOR/SUBCONTRACTOR/MANUFACTURER/ SUPPLIER LIST

- A. For each category listed below, identify the subcontractor(s) who will perform the specified work and/or the manufacturer/supplier for the specified material or equipment, as applicable. If you plan to use your own employees to do any portion of the work, list yourself. If more than one firm will perform work in one category, you must identify both firms.
- B. After bid opening, no substitutions of the subcontractors, manufactures or suppliers listed below will be allowed except in accordance with Section 007200 – General Conditions, Article 3.1 and/or Article 3.7, as applicable.
- C. All manufacturers or suppliers required to be identified below must be an approved manufacturer or supplier as outlined in the bid specifications or in a written addenda in accordance with Section 4.0 of the Instructions to Bidders.
- D. If any category or work identified below is left vacant or if an unapproved manufacturer or supplier is listed, the bid shall be deemed non-responsive and shall be rejected.**
- E. The Bidder hereby certifies that the following will be used in the performance of the work:

| DESCRIPTION OF WORK | SPECIFICATION DIVISION OR SECTION(S) | NAME OF FIRM FOR BASE BID WORK |
|----------------------|--------------------------------------|--------------------------------|
| Earthwork Contractor | Division 31 | |

SECTION 004337 - MBE/WBE/SDVE COMPLIANCE EVALUATION FORM

Project Name: _____ Project No.: T2317-01

This form is to be completed by bidders and submitted to the State of Missouri, Division of Facilities Management, Design and Construction with the bid submittal. Submit one form per MBE/WBE/SDVE firm involved with the project. This includes any MBE/WBE/SDVE general contractor, joint venture, subcontractor or supplier, regardless of how many tier levels of sub-contracts.

A condition for remaining in competition for award is the satisfactory completion of this form for each minority/woman/service disabled veteran-owned firm that will perform a commercially useful function on the contract. The undersigned submits the following data with respect to the following firm's assurance to meet the Office of Administration's goal for MBE/WBE/SDVE participation.

1. Name of General Contractor: _____

2. MBE/WBE/SDVE Firm: _____

(Name)

(Address)

(City, State, Zip Code)

(Phone Number)

(Fax Number)

Type of Business: _____

Type of Firm: MBE WBE SDVE

Officer Name & Title: _____

3. Describe the **subcontract actual work** to be performed (List BASE BID work and any ALTERNATE work separately):

BASE BID: _____

ALTERNATE (S): (identify separately)

4. Indicate the **dollar (\$) amount** of contract to be subcontracted to the MBE/WBE/SDVE Firm:

BASE BID: \$ _____

ALTERNATE (S): (identify separately)

\$ _____
\$ _____

5. Is the proposed subcontractor listed in the Minority/Women Business Enterprise Directory maintained by the Office of Equal Opportunity (OEO) or the Division of Purchasing's SDVE directory? YES NO

Name of General Contractor Signee (Print): _____

Signature: _____

Title: _____

Date: _____

SECTION 004338 - MBE/WBE/SDVE ELIGIBILITY DETERMINATION FORM FOR JOINT VENTURES

Project Name: _____ Project No.: T2317-01

If bidder is a joint venture, this form shall be completed and submitted with the bid submittal to the Missouri State Division of Facilities Management, Design and Construction.

1. Joint Venture Firm: _____
(Name)

(Address) (City, State, Zip Code)

(Phone Number) (Fax Number)

2. In order to be counted toward project MBE/WBE/SDVE goals, the MBE/WBE/SDVE partner(s) must be currently certified by a State of Missouri public entity or have proof of SDVE eligibility. Identify the firms which comprise the joint venture and include a copy of the certification of each MBE/WBE/SDVE firm included in the joint venture.

(a) Describe the role of each MBE, WBE, or SDVE firm in the joint venture:

(b) Briefly describe the experience and business qualifications of each non-MBE/WBE/SDVE co-venturer:

3. What is the claimed percentage of MBE/WBE/SDVE ownership in the joint venture?

4. Ownership of joint venture. **Attach a copy of the joint venture agreement.** (The following need not be filled in if described in the joint venture agreement)

(a) Description of profit and loss sharing:

(b) Description of capital contributions, including equipment:

(c) Description of other applicable ownership interests:

6. Control of, and participation in, this contract. Identify by name, race, sex, and "firm" those individuals (and their titles) who are responsible for day-to-day management and policy decision making including, but not limited to, those with prime responsibility for:

- Financial Decisions Management Decisions Estimating Marketing Sales
- Hiring (of management) Firing (of management) Purchase of major items or supplies

| Name | Race | Sex | Firm & Title | Responsibility | Management Decisions |
|------|------|-----|--------------|----------------|----------------------|
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NOTE: If after filing this information and before the completion of the joint venture's work on the contract covered by this regulation, there is any significant change in the information submitted, the joint venture must inform the Commissioner, either directly or if the joint venture is a subcontractor through the prime contractor.

AFFIDAVIT

"The undersigned swear that the foregoing statements are correct and include all material and information necessary to identify and explain the terms and operation of our joint venture and the intended participation by each joint venturer in the undertaking. Further, the undersigned covenant and agree to provide the Commissioner, Office of Administration, current, complete and accurate information regarding actual joint venture work and the payment therefore and any proposed changes in any of the joint venture arrangements and to permit the audit and examination of the books, records, and files of the joint venture, or those of each joint venturer relevant to the joint venture, by authorized representatives of the Commissioner of the Office of Administration. Any material misrepresentation will be grounds for terminating any contract which may be awarded and for initiating action under Federal or State laws concerning false statements."

Name of Firm: _____

Signature: _____

Name: _____

Title: _____

Date: _____

Name of Firm: _____

Signature: _____

Name: _____

Title: _____

Date: _____

Date: _____

State of: _____

County of: _____

On this _____ day of _____, 20____, before me appeared
(name) _____ to me personally known, who, being duly sworn, did execute the foregoing
affidavit, and did state that he or she was properly authorized by (name of firm) _____
to execute the affidavit and did so as his or her own free act and deed.

Notary Public: _____ (seal)

My commission expires: _____

Date: _____

State of: _____

County of: _____

On this _____ day of _____, 20____, before me appeared
(name) _____ to me personally known, who, being duly sworn, did execute the foregoing
affidavit, and did state that he or she was properly authorized by (name of firm) _____
to execute the affidavit and did so as his or her own free act and deed.

Notary Public: _____ (seal)

My commission expires: _____

SECTION 004339 - GOOD FAITH EFFORT (GFE) DETERMINATION - MBE

Bidder may reach goals for each category as outlined in Section 001116 - Invitation to Bid by participation, GFE or a combination of both.

**THIS PAGE IS FOR MBE
GFE ONLY**
Failure to submit for each diversity category on a separate page may result in rejection of the bid.

INSTRUCTIONS: In order to meet full MBE GFE goals refer to Section 002113-Instructions to Bidders **providing at least 3 certified companies with all columns completed for each company.** If the bidder has identified companies with actual participation in Section 004337 - MBE/WBE/SDVE Compliance Form do not list those companies below as they will only be scored for participation, not GFE. Any questions or clarifications should be directed to the Contract Specialist of record.

| Name of Firm and Person Contacted: Verify that firm is currently certified with Office of Equal Opportunity (OEO) | Category of Work (e.g.: Electrician) or Type of Supplier (e.g.: Plumbing Supplier) | Date of Contact | Response from Subcontractor or Supplier |
|---|---|------------------------|--|
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SECTION 004339 - GOOD FAITH EFFORT (GFE) DETERMINATION - WBE

Bidder may reach goals for each category as outlined in Section 001116 - Invitation to Bid by participation, GFE or a combination of both.

***THIS PAGE IS FOR WBE
GFE ONLY***
 Failure to submit for each diversity category on a separate page may result in rejection of the bid.

INSTRUCTIONS: In order to meet full WBE GFE goals refer to Section 002113-Instructions to Bidders providing at least 3 certified companies with all columns completed for each company. If the bidder has identified companies with actual participation in Section 004337 - MBE/WBE/SDVE Compliance Form do not list those companies below as they will only be scored for participation, not GFE. Any questions or clarifications should be directed to the Contract Specialist of record.

| Name of Firm and Person Contacted: Verify that firm is currently certified with Office of Equal Opportunity (OEO) | Category of Work (e.g.: Electrician) or Type of Supplier (e.g.: Plumbing Supplier) | Date of Contact | Response from Subcontractor or Supplier |
|---|--|------------------------|--|
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SECTION 004339 - GOOD FAITH EFFORT (GFE) DETERMINATION - SDVE

Bidder may reach goals for each category as outlined in Section 001116 - Invitation to Bid by participation, GFE or a combination of both.

***THIS PAGE IS FOR SDVE
GFE ONLY***
 Failure to submit for each diversity category on a separate page may result in rejection of the bid.

INSTRUCTIONS: In order to meet full SDVE goals refer to Section 002113-Instructions to Bidders providing at least 3 certified companies with all columns completed for each company. If the bidder has identified companies with actual participation in Section 004337 - MBE/WBE/SDVE Compliance Form do not list those companies below as they will only be scored for participation, not GFE. Any questions or clarifications should be directed to the Contract Specialist of record.

| Name of Firm and Person Contacted: Verify that firm is currently certified with Office of Equal Opportunity (OEO) | Category of Work (e.g.: Electrician) or Type of Supplier (e.g.: Plumbing Supplier) | Date of Contact | Response from Subcontractor or Supplier |
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MISSOURI SERVICE-DISABLED VETERAN BUSINESS PREFERENCE FORM

Pursuant to section 34.074, RSMo, a service-disabled veteran business doing business as Missouri firm, corporation, or individual, or that maintains a Missouri office or place of business, shall receive a three-point bonus preference in the contract award process. The bonus preference will be calculated and applied by reducing the bid amount(s) of the eligible service-disabled veteran business by three percent of the apparent low responsive bidder's bid. This reduction is for evaluation purposes only, and will have no impact on the actual amount(s) of the bid or the amount(s) of any contract awarded. In order to be eligible for the service-disabled veteran business preference, the bidder must complete and submit this form with its bid.

Definitions (as provided by Section 34.074, RSMo):

Service-Disabled Veteran: any individual who is disabled as certified by the appropriate federal agency responsible for the administration of veterans' affairs.

Service-Disabled Veteran Business: a business concern:

- a. not less than fifty-one (51) percent of which is owned by one or more service-disabled veterans or, in the case of any publicly owned business, not less than fifty-one (51) percent of the stock of which is owned by one or more service-disabled veterans; and
- b. the management and daily business operations of which are controlled by one or more service-disabled veterans.

In order to receive the preference described above, the bidder must either be registered with the Office of Administration, Division of Purchasing or the Department of Veterans Affairs (VA) or provide a copy of the bidder's discharge papers (DD Form 214, Certificate of Release from Active Duty). For ease of evaluation, it is preferred that proof of registration with Division of Purchasing or the VA be provided with this form. Discharge papers are not required if registered with Division of Purchasing or the VA.

By signing below, I certify that I meet the definitions of a service-disabled veteran and a service-disabled veteran business, as defined in Section 34.074, RSMo, and that I am either doing business as a Missouri firm, corporation, or individual; or maintain Missouri offices or places of business at the location(s) listed below.

Service-Disabled Veteran's Name

(Please Print)

Service-Disabled Veteran Business Name

Service-Disabled Veteran's Signature

Missouri Address of Service-Disabled Veteran Business

SECTION 004541 - AFFIDAVIT OF WORK AUTHORIZATION

STATE OF _____)
)
COUNTY OF _____)

On this _____ day of _____, 20_____, before me appeared _____ (Contractor representative), personally known to me or proved to me on the basis of satisfactory evidence to be a person whose name is subscribed to this affidavit, who being by me duly sworn, deposed as follows:

My name is _____ (Contractor representative), and I am of sound mind, capable of making this affidavit, and personally certify the facts herein stated, as required by Section 285.530, RSMo, to enter into any contract agreement with the state to perform any job, task, employment, labor, personal services, or any other activity for which compensation is provided, expected, or due, including but not limited to all activities conducted by business entities:

I am the _____ of _____, and I am duly authorized, directed, and/or empowered to act officially and properly on behalf of this business entity.
title business name

I hereby affirm and warrant that the aforementioned business entity is enrolled in a federal work authorization program operated by the United States Department of Homeland Security to verify information of newly hired employees, and the aforementioned business entity shall participate in said program with respect to all employees working in connection with the contracted services related to _____ with the Office of Administration, Division of Facilities Management, Design and Construction (FMDC). I have attached documentation to this affidavit to evidence enrollment/participation by the aforementioned business entity in a federal work authorization program, as required by Section 285.530, RSMo.

In addition, I hereby affirm and warrant that the aforementioned business entity does not and shall not knowingly employ, in connection to work under the within state contract agreement with FMDC, an alien who does not have the legal right or authorization under federal law to work in the United States, as defined in 8 U.S.C. § 1324a(h)(3).

I am aware and recognize that, unless certain contract and affidavit conditions are satisfied pursuant to Section 285.530, RSMo, the aforementioned business entity may be held liable under Section 285.525 through 285.559, RSMo, for subcontractors that knowingly employ or continue to employ any unauthorized alien to work within the state of Missouri.

I acknowledge that I am signing this affidavit as a free act and deed of the aforementioned business entity and not under duress.

Affiant Signature

Subscribed and sworn to before me this _____ day of _____, 20_____.

Notary Public

My commission expires:

SECTION 004545
ANTI-DISCRIMINATION AGAINST ISRAEL ACT CERTIFICATION

Statutory Requirement: Section 34.600, RSMo, precludes entering into a contract with a company to acquire products and/or services “unless the contract includes a written certification that the company is not currently engaged in and shall not, for the duration of the contract, engage in a boycott of goods or services from the State of Israel; companies doing business in or with Israel or authorized by, licensed by, or organized under the laws of the State of Israel; or persons or entities doing business in the State of Israel.”

Exceptions: The statute provides two exceptions for this certification: 1) “contracts with a total potential value of less than one hundred thousand dollars” or 2) “contractors with fewer than ten employees.” Therefore the following certification is required prior to any contract award.

Section 34.600, RSMo, defines the following terms:

Company - any for-profit or not-for-profit organization, association, corporation, partnership, joint venture, limited partnership, limited liability partnership, limited liability company, or other entity or business association, including all wholly-owned subsidiaries, majority-owned subsidiaries, parent companies, or affiliates of those entities or business associations.

Boycott Israel and Boycott of the State of Israel - engaging in refusals to deal, terminating business activities, or other actions to discriminate against, inflict economic harm, or otherwise limit commercial relations specifically with the State of Israel; companies doing business in or with Israel or authorized by, licensed by, or organized under the laws of the State of Israel; or persons or entities doing business in the State of Israel, that are all intended to support a boycott of the State of Israel. A company’s statement that it is participating in boycotts of the State of Israel; companies doing business in or with Israel or authorized by, licensed by, or organized under the laws of the State of Israel; or persons or entities doing business in the State of Israel, or that it has taken the boycott action at the request, in compliance with, or in furtherance of calls for a boycott of the State of Israel; companies doing business in or with Israel or authorized by, licensed by, or organized under the laws of the State of Israel; or persons or entities doing business in the State of Israel shall be considered to be conclusive evidence that a company is participating in a boycott of the State of Israel; companies doing business in or with Israel or authorized by, licensed by, or organized under the laws of the State of Israel; or persons or entities doing business in the State of Israel; provided, however that a company that has made no such statement may still be considered to be participating in a boycott of the State of Israel; companies doing business in or with Israel or authorized by, licensed by, or organized under the laws of the State of Israel; or persons or entities doing business in the State of Israel if other factors warrant such a conclusion.

Certification: The vendor must therefore certify their current status by completing either Box A, Box B, or Box C on the next page of this Exhibit. (As used herein, “vendor” refers to any contractor or consultant entering into a contract with the Division of Facilities Management, Design and Construction. “Contract” is used generically to include both a contract for construction or agreement for design services.)

- | |
|--|
| <p>BOX A: To be completed by any vendor that <u>does not meet the definition of “company”</u> above, hereinafter referred to as “Non-Company.”</p> <p>BOX B: To be completed by a vendor that meets the definition of “Company” but has <u>less than ten employees</u>.</p> <p>BOX C: To be completed by a vendor that <u>meets the definition of “Company”</u> and <u>has ten or more employees</u>.</p> |
|--|

BOX A – NON-COMPANY ENTITY

I certify that _____ (Entity Name) currently **DOES NOT MEET** the definition of a company as defined in section 34.600, RSMo, but that if awarded a contract and the entity’s business status changes during the life of the contract to become a “company” as defined in section 34.600, RSMo, and the entity has ten or more employees, then, prior to the delivery of any services and/or supplies as a company, the entity agrees to comply with, complete, and return Box C to the Division of Facilities Management, Design and Construction at that time.

Authorized Representative’s Name (Please Print)

Authorized Representative’s Signature

Entity Name

Date

BOX B – COMPANY ENTITY WITH LESS THAN TEN EMPLOYEES

I certify that _____ (Company Name) **MEETS** the definition of a company as defined in section 34.600, RSMo, and currently has less than ten employees but that if awarded a contract and if the company increases the number of employees to ten or more during the life of the contract, then said company shall comply with, complete, and return Box C to the Division of Facilities Management, Design and Construction at that time.

Authorized Representative’s Name (Please Print)

Authorized Representative’s Signature

Company Name

Date

BOX C – COMPANY ENTITY WITH TEN OR MORE EMPLOYEES

I certify that _____ (Company Name) **MEETS** the definition of a company as defined in section 34.600, RSMo, has ten or more employees, and is not currently engaged in a boycott of goods or services from the State of Israel; companies doing business in or with Israel or authorized by, licensed by, or organized under the laws of the State of Israel; or persons or entities doing business in the State of Israel as defined in section 34.600, RSMo. I further certify that if the company is awarded a contract for the services and/or supplies requested herein said company shall not engage in a boycott of goods or services from the State of Israel; companies doing business in or with Israel or authorized by, licensed by, or organized under the laws of the State of Israel; or persons or entities doing business in the State of Israel as defined in section 34.600, RSMo, for the duration of the contract.

Authorized Representative’s Name (Please Print)

Authorized Representative’s Signature

Company Name

Date

**SECTION 444999
LINEAR LOW DENSITY POLYETHYLENE GEOMEMBRANE**

PART 1 – GENERAL

1.1 SUMMARY

Linear Low Density Polyethylene (LLDPE) Geomembranes serve as liners and covers to contain water, leachate or other liquids. As a liner they can contain the liquid to prevent leakage or environmental impact and as a cover to minimize evaporation or contamination. It is of great importance that the LLDPE Geomembrane be free from defects and installed without damage.

1.2 DESCRIPTION

A. General:

The purpose of this specification is to provide details of Manufacturing Quality Control (MQC), Manufacturing Quality Assurance (MQA), Construction Quality Control (CQC), and Construction Quality Assurance (CQA) for the manufacture and pre-assembly of geomembrane products. The Contractor shall furnish all labor, material, and equipment to install the LLDPE Geomembrane including all necessary and incidental items as detailed or required to complete the installation in accordance with the Contract Drawing and these Specifications

B. Reference Standards:

Geosynthetic Research Institute Test Method GM17 *Test Properties, Testing Frequency and Recommended Warranty for Linear Low Density Polyethylene (LLDPE) Smooth and Textured Geomembranes.*

ASTM D5199 *Standard Test Method for Measuring the Nominal Thickness of Geosynthetics.*

ASTM D1505 *Standard Test Method for Density of Plastics by the Density-Gradient Technique.*

ASTM 638 *Standard Test Method for Tensile Properties of Plastics.*

ASTM D751 *Standard Test Methods for Coated Fabrics.*

ASTM D1004 *Standard Test Method for Initial Tear Resistance of Plastic Film and Sheeting.*

ASTM D1603 *Standard Test Method for Carbon Black Content in Olefin Plastics.*

ASTM D4833 *Standard Test Method for Index Puncture Resistance of Geomembranes and Related Products.*

C. **Manufacturers Qualifications:**

1. The Manufacturer shall have previously demonstrated his ability to produce the required LLDPE Geomembrane.
2. Manufacturer must be ISO 9001 certified

D. **Installer Qualifications:**

The LLDPE Geomembrane Installer shall have installed a minimum of 500,000 ft² of LLDPE Geomembrane (or similar material).

E. **Warranties:**

The manufacturer of the LLDPE Geomembrane will warrant the material to the installer on a pro rata basis for up to 20 years after the final acceptance of the work, based on thickness, the application and location of the installation. This warranty shall include but not be limited to defects related to workmanship and manufacturing.

PART 2 - MATERIALS

2.1. General:

- A. The materials supplied under these Specifications shall consist of first-quality 100% virgin products designed and manufactured specifically for the purpose of this work, which shall have been satisfactorily demonstrated, by prior use, to be suitable and durable for such purposes.

2.2. LLDPE Geomembrane Materials:

- A. LLDPE Geomembrane shall be manufactured to meet the following requirements:
1. Provide finished product free from holes, pin holes, bubbles, blisters, excessive gels, undispersed resins and/or carbon black, or contamination by foreign matter.
 2. LLDPE Geomembrane shall be a very flexible Linear Low Density Polyethylene Geomembrane containing carbon black for UV stability and contain no plasticizers.
- B. Approved LLDPE Geomembrane:
1. Rufco 4000B, as manufactured by Raven Industries of Sioux Falls, SD, or approved equal.

PART 3 – EXECUTION

3.1 FACTORY FABRICATION

- A. The LLDPE Geomembrane shall be supplied in panels which shall be of maximum size to provide the largest manageable sheet for the fewest seams.
- B. Factory seams are produced by thermal sealing methods and shall have a minimum seam width of 1 ½ inch.
- C. Factory seams are 100% visually inspected and destructive testing is done to verify quality compliance.
- D. Labels on the panels shall identify the thickness, length, width, lot and panel numbers, and name of Manufacturer.
- E. Factory pre-assembled panels are accordion folded and rolled on a cardboard core. Rolled panels are wrapped in a protective layer for shipment.

3.2 SUBMITTALS

The Contractor shall submit the following to the CQA Engineer:

- A. Pre-Installation Requirements:

Prior to LLDPE Geomembrane installation the Contractor shall submit the following:

1. Certificate of Conformance and Sample: Prior to shipping to the site, the Contractor shall submit a certificate or affidavit signed by a legally authorized official of the Manufacturer for the LLDPE Geomembrane attesting that the LLDPE Geomembrane meets the physical and manufacturing requirements stated in these Specifications. The Contractor shall also submit a sample of the LLDPE Geomembrane to be used (sample may be of different color). The sample shall be labeled with the product name and be accompanied by the Manufacturer's specifications.
2. Shipping, Handling, and Storage Instructions: The Manufacturer's plan for shipping, handling, and storage shall be submitted for review.
3. Installation Procedures:

Submit installation procedures for carrying out the work. Installation procedures to be addressed shall include but not be limited to material installation, repair, and protection to be provided in the event of rain or strong winds. With regard to protection, the Contractor shall provide a plan of anchoring the LLDPE Geomembrane sufficient to satisfy the Contractor's Performance Warranty. This plan shall be approved by the Engineer prior to construction.

4. Furnish copies of the delivery tickets or other approved receipts as evidence for materials received that will be incorporated into the construction.

B. Post-Installation Requirements:

Upon completion of the LLDPE Geomembrane installation, the Contractor shall submit the following:

1. Completed material performance warranty.

3.3 SITE PREPARATION AND INSTALLATION

- A. Installation shall be in done in accordance with the manufacturers Geomembrane Installation Guidelines.

**TABLE 1:
REQUIRED LLDPE GEOMEMBRANE PROPERTIES 40 MIL.**

| PROPERTY | TEST METHOD | UNITS | MIMUM ROLL AVERAGES | TYPICAL ROLL AVERAGES |
|------------------------|--------------------|-------------------|------------------------------------|--------------------------------------|
| Thickness | ASTM D5199 | Mils | 40 | 41.5 |
| Density | ASTM D1505 | g/cm ³ | .939 max | .939 max |
| 1" strip tensile | ASTM D638 | Lbf. | 152 | 185 |
| Tensile elongation | ASTM D638 | % | 800 | 850 |
| Hydrostatic Resistance | ASTM D751 | psi. | 230 | 250 |
| Puncture Resistance | ASTM D4833 | Lbf. | 60 | 75 |
| Tear Resistance | ASTM D1004 | Lbf. | 22 | 27 |
| Carbon Black | ASTM D1603 | % | 2.0 | 2.5 |
| Bonded Seam Strength | ASTM D4545* | Lbf/inch | 75 | 80 |

| | | | | |
|--------------------|-------------|----------|----|----|
| Seam Peel Adhesion | ASTM D4545* | Lbf/inch | 60 | 69 |
|--------------------|-------------|----------|----|----|

Seam testing performed at 12" per minute

Notes:

1. The Engineer may allow alternates to these requirements.

END OF SECTION

JOSHUA D. HARTSOCK-ENGINEER
MO # PE 2024000048

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KLINGNER & ASSOCIATES, P.C. • ENGINEERING
MISSOURI STATE CERTIFICATE OF AUTHORITY #000866

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES
MANAGEMENT,
DESIGN AND CONSTRUCTION

DESIGN AND CONSTRUCT
LAGOON EXPANSION

461 COUNTY ROAD 517
WAPPAPELLO, MO 63966

PROJECT # T2317-01
SITE # 6325
ASSET # 7016325013

REVISION: ADDENDUM 1
DATE: 06-19-2024
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
ISSUE DATE: 06-19-2024

CAD DWG FILE: _____
DRAWING BY: JDI
CHECKED BY: MCB/JDI
DESIGNED BY: JDI

SHEET TITLE:

ADDENDUM 1
ADDITIONAL
NOTES

SHEET NUMBER:

AD-1

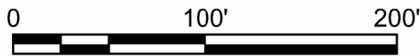
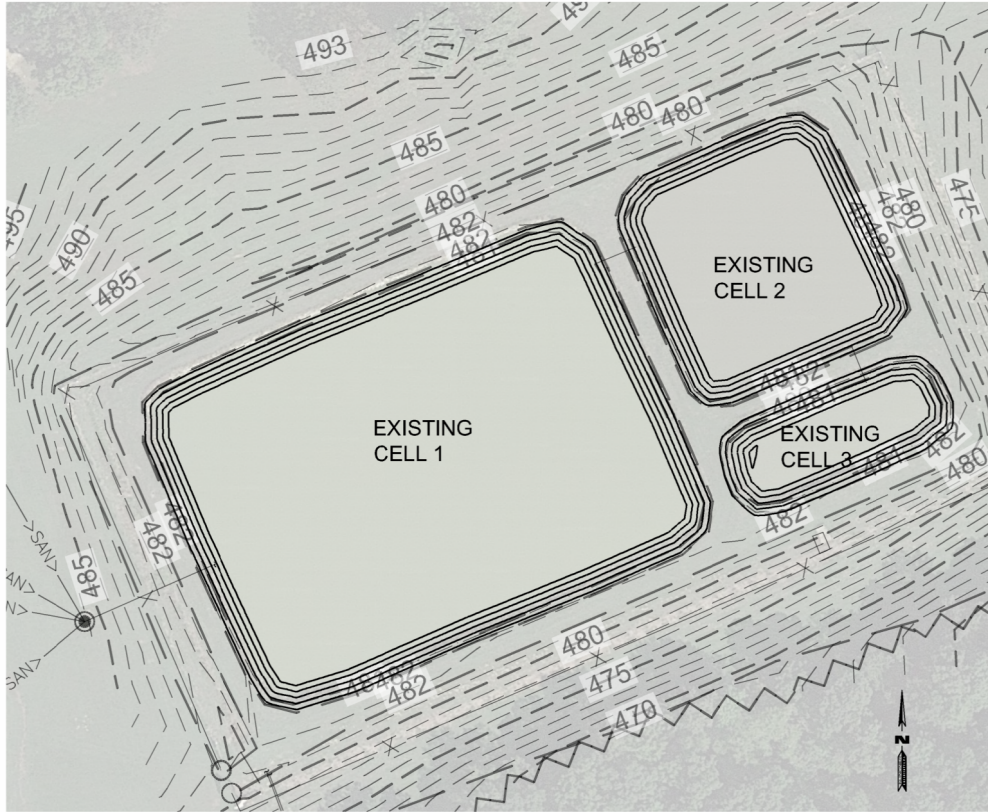
EXISTING LAGOON SLUDGE ESTIMATES:

| Cell | Elevation Range (ft) | Depth of Sludge (m.) | Volume (cu. Ft) | Volume Gallons | Volume (Cubic Yards) | Volume Dried Sludge CY (Assuming 14% solid and 86% liquid) |
|--------|----------------------|----------------------|-----------------|----------------|----------------------|--|
| Cell 1 | 477.5-478.0 | 6 | 11,411.60 | 85,384.70 | 422.65 | 59.17 |
| Cell 2 | 477.5-478.0 | 6 | 1710.06 | 12,792.14 | 63.34 | 8.87 |
| Cell 3 | 477.478 | 6 | 429.93 | 3,216.10 | 16.92 | 2.23 |
| Total | | | 13,551.59 | 101,372.94 | 501.91 | 70.27 |

NOTE: VOLUMES ARE ESTIMATES AND CONTRACTOR TO DEVELOP OWN QUANTITY TAKE-OFFS.

LAGOON DEWATERING & SLUDGE REMOVAL:

- LAGOON TO BE DEWATERED WITHIN 6" OF WATER ABOVE THE SLUDGE LAYER. 6" THICKNESS OF SLUDGE ESTIMATED TO BE IN CELLS (CONTRACTOR TO VERIFY ON SITE).
- REMAINING 6" OF WATER ABOVE THE SLUDGE LAYER TO BE PUMPED AND HAULED TO A POTW FOR TREATMENT.
- SLUDGE IN THE BOTTOM TO DRY A MINIMUM OF 30 DAYS OR UNTIL SUFFICIENTLY DRIED PER DNR REQUIREMENTS.
- SLUDGE MAY BE LAND APPLIED OR HAULED TO A LOCAL LANDFILL FOLLOWING DRYING OPERATIONS. CONTRACTOR TO COORDINATE WITH SITE OPERATIONS OR LOCAL FARMERS FOR APPLICATION ACCOMMODATIONS.



SCALE: 1" = 100'

LAGOON LINER ALTERNATIVES:

AS AN ALTERNATE TO INSTALLING SOLELY A CLAY LINER TO THE LAGOON CELLS, THE FOLLOWING OPTIONS ARE OFFERED AS ALTERNATES TO A CLAY LINER:

- LINEAR LOW DENSITY POLYETHYLENE GEOMEMBRANE LINER WITH A MINIMUM ROLL AVERAGE OF 40 MILS. (SEE SPECIFICATIONS SECTION 444999 FOR MORE DETAILS.
- POWDERED OR GRANULAR BENTONITE AT A RATE OF APPROXIMATELY 3% BY WEIGHT, THOROUGHLY MIXED AND INCORPORATED, AND SUBSEQUENTLY BROUGHT TO SUITABLE MOISTURE CONTENT PRIOR TO COMPACTION EFFORTS WILL BE AN ACCEPTED OPTION TO ENSURE LOW HYDRAULIC CONDUCTIVITY. RECOMMENDATIONS ARE AT MINIMUM 18" DEPTH.

BENTONITE ESTIMATED QUANTITIES:

LAGOON SURFACE AREAS: 89,234 SQ-FT
BENTONITE @ 3% MIX 18" DEPTH = 200.78 TONS

GEOMEMBRANE ESTIMATED QUANTITIES:

GEOMEMBRANE SURFACE AREA: 89,234 SQ-FT

NOTE: QUANTITIES PROVIDED ARE ESTIMATES ONLY AND CONTRACTOR TO CONDUCT OWN QUANTITY TAKE OFFS.

Pre-Proposal Meeting Attendance Sheet
Design and Construct Lagoon Expansion
Wappapello Training Site
Wappapello, MO
Project No. T2317-01
6/13/24 1130

| Name & Title | Company Name, Type of Contracting, MBE/WBE/SDVE Status | Phone | E-Mail Address |
|-----------------|--|--------------|--|
| Chris Lloyd | OA/FMDC PM | 573-526-0160 | Christopher.lloyd@oa.mo.gov |
| Gary Rice | MONG | 636-698-4292 | Gary.d.rice18.mfg@army.mil |
| Joshua Hartsock | Klingner | 573-355-5899 | jhartsock@klingner.com |
| Randy Persons | R.L. Persons Const. Inc | 573-686-1323 | randypersons@rnpersons.com |
| Kevin Hogard | R.L. Persons Const. Inc | 573-686-1323 | klingner@rnpersons.com |
| Stan Schultz | Better By Design | 573-776-8776 | sschultz@betterbydesignllc.com |

Pre-Proposal Meeting Attendance Sheet
Design and Construct Lagoon Expansion
Wappapello Training Site
Wappapello, MO
Project No. T2317-01
6/13/24 1130

| Name & Title | Company Name, Type of Contracting, MBE/WBE/SDVE Status | Phone | E-Mail Address |
|-----------------------|--|---------------------|----------------------------------|
| <i>Donny Bond Jr.</i> | <i>Donald Bond Const.</i> | <i>573-382-6216</i> | <i>donny@donaldbondconst.com</i> |
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