

2025/02/20

**ADDENDUM NO. 1
TO CONTRACT DOCUMENT PLANS SPECIFICATIONS**

**PROJECT: MWA METRO PARK EAST LANDFILL
P-65 CELL F LINER CONSTRUCTION**
TO: PROSPECTIVE BIDDERS AND OTHER INTERESTED PARTIES

The Contract Documents and Specifications, including the Contract Drawings, are hereby modified by the following items:

CHANGES TO DRAWINGS

AD-1 Item 1 NOT USED

CHANGES TO SPECIFICATIONS

AD-1 Item 2 SECTION 00 10 00 NOTICE OF HEARING AND LETTING

- A. PUBLIC HEARING/BID AWARDING: **The Bid is anticipated to be awarded at the public hearing planned for March 12th, 2025 at 5:45 P.M. local time.**
- B. The Issuing Office for the Bidding Documents is:
 - HDR Engineering, Inc.
 - 1917 South 67th Street
 - Omaha, NE 68106-2965
 - Attn. Katie Kinley, PE
 - Phone (402) 392-6980
 - Email: Kathryn.Kinley@hdrinc.com
- C. Prospective Bidders may review the Bidding Documents at the Issuing Office on Mondays through Fridays between the hours of 9:00 AM and 4:00 PM local time and may obtain copies of the Bidding Documents from the Issuing Office as described above, or by contacting the bid administrator, Katie Kinley, at Kathryn.Kinley@hdrinc.com, (402) 392-6980.
- D. Submit questions via email to Mike Walsh (Michael.Walsh@hdrinc.com) and Katie Kinley (Kathryn.Kinley@hdrinc.com) by the question due date.

AD-1 Item 3 SECTION 00 41 00 BID FORM

- A. REMOVE and REPLACE with the attached SECTION 00 41 00.
- B. Within the attached Section 00 41 00, include the following revisions:
 - a. Bid Item 115 – update description to state: “Allowance (2.5% of Total Combined Price of Bid Items 101 – 113).
- C. Bid item 111 – East Road Aggregate was removed from the project. Bid items are renumbered accordingly.
- D. Bid item A116 was removed from the project for asphalt paving. Bid Items are renumbered accordingly.

AD-1 Item 4 SECTION 01 29 01 PAYMENT PROCEDURES

- A. REMOVE and REPLACE with the attached SECTION 01 29 01.
- B. Within the attachment 01 29 01, include the following revisions:
 - A. Bid Item 106 – see revision to place material within berm as structural fill.
 - B. Bid Item 109 – REMOVE – “Include in this item all labor and materials to supply and install stormwater terrace as shown on the drawings, silt fence as needed, and the stormwater control system as shown on the drawings and described in the project manual.”
 - i. REPLACE - Include in this item all labor and materials to supply and install stormwater terrace as shown on the drawings, silt fence as needed, pumping equipment, and the stormwater control system as shown on the drawings and described in the project manual. Diesel powered pumps installed as described in Section 01 50 00 will remain on site after construction completion.
 - C. Alternate Bid Item 116 – ADD – Included in this item is vegetation removal and stockpiling.
 - D. Alternate Bid Item 117 – ADD – Included in this item is vegetation removal and stockpiling.

AD-1 Item 5 CELL EXCAVATION STOCKPILE AREAS

- A. ADD the attachment within this Addendum No. 1 including a figure detailing plan stockpile areas and their capacities for the excavated material from Cell F Construction.

ADDITIONAL CLARIFICATIONS & INFORMATION

AD-1 Item 6 PROSPECTIVE BIDDER QUESTIONS AND RESPONSES NOT INCLUDED IN ABOVE ADDENDUM ITEMS

Question 1: What are the extents of the asphalt paving under Alternate Bid Item 116 under base bid and under the expanded cell construction?

Answer 1: Item has been removed from the project.

Question 2: Where can vegetation removed from the sediment ponds during the execution of Alternate Bid Items 117 and 118 be stockpiled or placed?

Answer 2: Proposed stockpile location of removed vegetation shown on the cell excavation stockpile areas figure (Item 5) of this addendum.

Question 3: How far will the electrical be extended under Bid Item 113?

Answer 3: Approximately 1,350-FT of underground extended electrical from an existing electrical box to the west edge of the new tipping pad.

Question 6: Can you provide a list of previously used electrical contractors and contact information?

Answer 6: Yes, electricians that have been used in the past include: Common Wealth Electric, Baker Electric, Cruiser Electric, and Elite Electric.

Question 7: If the alternate work is accepted (which more than quadruples the earthwork), will the completion date change?

Answer 7: No, the substantial completion date will remain October 17, 2025. However, per the notes on the Appendix C Alternate Figure – MWA previously indicated that the latest notice of the alternate items would be given by July of 2025. REVISE to – latest notice to proceed on alternate items will be give by April 30, 2025.

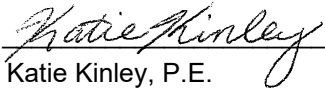
AD-1 Item 7 PRE-BID MEETING NOTES

For Bidders' convenience a copy of the meeting notes from the pre-bid meeting are included with this addendum. Pre-bid meeting notes are not a part of the contract documents.

ALL ITEMS IN CONFLICT WITH THIS ADDENDUM ARE HEREBY DELETED.

THIS ADDENDUM IS MADE PART OF THE CONTRACT DOCUMENTS AND SHALL BE NOTED ON THE BID FORM.

HDR Engineering, Inc.


Katie Kinley, P.E.

Certified copy provided to Owner on February 20, 2025

Pre-Bid Meeting Notes

Project: MWA P-65 Cell F Liner Construction

Subject: Pre-Bid Meeting

Date: Tuesday, February 18, 2025

Location: Metro Park East Landfill – 12181 University Avenue NE, Mitchellville, IA 50169

****Meeting Notes in Bold Italics****

SUMMARY OF WORK

- a. Cell F Liner Construction
 - i. Bulk Excavation
 - ii. Groundwater Control System
 - iii. Recompacted Clay Liner & Geosynthetics
 - iv. Leachate Collection and Drainage Layer
 - v. Rain Cover in Cell F
 - vi. ***Tie-in/Continuation of the*** Leachate Collection System
- b. Other Site Work
 - i. Culverts, Stormwater Improvements, Ditches, etc.
 - ii. Roadway Construction
 - iii. Security Fencing and Litter Fencing
 - iv. Topsoiling, erosion control, seeding
- c. Alternate Bid Work
 - i. Asphalt Roadway Construction
 - ii. Sediment Removal from Sediment Ponds
 - iii. Stormwater Improvements in Southwest Sediment Pond
 - iv. Expanded Cell F Liner Construction
- d. See Specification Section 01 11 00 and the Drawings and Specifications for work to be performed.

DISCUSSION:

- ***MWA noted that Expanded Cell F Liner Construction (Alternate Bid Items A-120 through A-123) has been approved by Polk County and is awaiting approval from Iowa Department of Natural Resources (IDNR). MWA and HDR noted that the goal is to get the expanded cell construction approved as quick as possible to not interfere with potential construction scheduling. See Appendix C – alternate figure.***

EXISTING CONDITIONS

- a. Bidders shall be aware of existing infrastructure such as leachate collection lines, groundwater and gas wells, groundwater collection trenches, and other utilities shown within the drawings and present at the site.
- b. Contractor to coordinate construction activities to allow the Owner uninterrupted operation of existing adjacent facilities.

DISCUSSION:

- **No discussion.**

BORROW SOURCE

- a. Soil borrow to be from the excavation area for Cell F.
- b. Site/project location access/right of way
- c. Placement of excess bulk excavation material shall be given the following priority:
 - a. Recompacted Clay Liner and Structural Fill.
 - b. Daily Cover Stockpile at Landfill active working face.

DISCUSSION:

- **HDR to release a figure detailing locations of stockpile areas for excavated soil. HDR showed a draft figure detailing location northeast of the Cell F construction area and one location southwest of the compost area. HDR stated that the stockpile location figure will be released with Addendum 1.**
- **MWA and HDR noted the stockpile northeast of the Cell F construction area is intended to be the primary stockpile for excavated materials.**
- **MWA announced that stockpiled soil will be available for purchase/removal after excavation of the construction area.**

TESTING AND SURVEYING

- a. Contractor is responsible for **soils** testing. See Specification Sections 02 65 00, 31 23 00, and other specification sections for testing requirements.
- b. Contractor is responsible for surveying per the Contract Documents. See Specification Section 01 71 23 for additional information.
- e. Owner will conduct electrostatic leak location testing through CQA Consultant. Contractor is responsible for drainage layer wetting/grading, power generator, and fuel. See full list of requirements in Specification Section 01 71 24.
- c. CAD linework (.dwg) and grading files (.xml) are available to interested bidders, if desired. Submit requests to Mike Walsh, HDR at Michael.Walsh@hdrinc.com to obtain the CAD files. Contractor must fill out an "Agreement with Contractor for Delivery of Electronic Media" in order to obtain CAD files.

DISCUSSION:

- **HDR noted that the electrostatic leak location is not a part of bid scope but will require contact and coordination with the selected CQA Consultant during construction for completion.**

SCHEDULE

- a. Questions regarding the Bidding Documents shall be submitted no later than business close on Monday, February 24th, 2025.
- b. Bids are due Friday, February 28th, 2025 by 3:00 PM **local time**.

- i. Submit Bids to 12181 NE University Avenue, Mitchellville, IA 50169 with attention to Metro Waste Authority
- ii. The bid opening will be conducted in person at the Metro Park **East** at 3:00 PM **local time** on February 28th, 2025.
- c. Anticipated Bid Award – **March 12th**, 2025
- d. Notice to Proceed – March 31st, 2025
- e. Substantial Completion – October 17th, 2025
- f. Final Completion – October 31st, 2025

DISCUSSION:

- ***HDR stated that the Notice to Proceed will be correlated with the earliest mobilization date of March 31st, 2025.***

BIDDING

- a. Use Bid Form in the Project Manual
- b. See the Project Manual for specific protocols
- c. Include: Bid Security, Statement of Bidder's Qualifications, and other required documents
- d. Basis of Bid: Lump Sum and Select Unit Pricing.
- e. Alternate Bid Pricing.

DISCUSSION:

- ***No discussion.***

INTERPRETATIONS:

- a. No addenda have been issued to date. An addendum will be issued following the pre-bid meeting to include meeting notes, attendance list, and any potential changes to the Bidding Documents.
- b. Only addenda can modify documents (See Specification Section 00 20 00)

DISCUSSION:

- ***No discussion.***

OTHER QUESTIONS AND DISCUSSION:

DISCUSSION:

- ***MWA and HDR noted that landfill traffic should be limited along the north side of the Cell F construction area.***
- ***HDR reviewed the bid form and bid drawings.***
 - ***HDR stated that Bidders can find Bid Item descriptions in Section 01 29 01 – Payment Procedures of the Project Specifications.***
 - ***HDR noted that the allowance (Bid Item 115) is for miscellaneous out of scope items to be complete at MWA's discretion and with their prior written approval, and will not necessarily be used.***

- **HDR stated that Bid Item 102 is excavation. Bid Item 103 through Bid Item 106 are for the transporting, hauling, stockpiling, maintaining stockpiles, etc. of the excavated material. See item descriptions for more information.**
- **MWA and HDR indicated that Bid Item 108 is a material only Bid Item. All work for installation or stockpiling of materials would be included under Bid Item 107. MWA noted that if MWA were to purchase the drainage layer aggregate, MWA would work with the awarded Contractor for delivery. HDR noted that limited waste is accounted for in the estimated quantity. Discussion involved stockpiling material may add cost.**
- **MWA reiterated that they have not received push back from initial discussions with IDNR for the Expanded Cell F Liner Construction (Alternate Bid Items A-120 through A-121). MWA's goal is to have the expansion approved as soon as possible.**
- **HDR noted that Expanded Cell F Liner Construction extends Cell F's liner eastward on the floor and north slope, but the east slope will remain unlined. HDR stated that liner termination details will remain the same as detailed in the Project Drawings.**
- **HDR confirmed that the bid quantity of 695,000 cy for Bid Item A-120 is the additional excavation required beyond Bid Item 102. The total excavation required, if Bid Item A-120 is approved, would be the summation of Bid Item 102's and Bid Item A-120's estimated quantities.**
- **HDR noted that the rain cover will be installed over most of the cell floor. Stormwater will be conveyed to the west and pumped into the terraces as shown Detail 4/01C504. HDR to confirm dimensions of the terrace in Detail 4/01C504.**
- **MWA indicated that pumps used for pumping the stormwater collected by the rain cover are included in Bid Item 109.**
- **HDR and MWA to confirm extents of Bid Item A-116 (Construct Asphalt North Road) with Addendum 1.**
- **HDR stated that a culvert associated with Bid Item 112 has the potential to be salvaged from existing culverts in the construction area.**
- **MWA indicated that the shingles will be placed in whole on the specified roads and there should be enough shingles available for construction.**
- **HDR indicated that Bid Item 115 will be changed to state "Allowance (2.5% of Total Combined Price of Bid Items 101 – 114)" with Addendum 1.**
- **MWA and HDR to provide a couple of previously used electrical contractors.**
- **MWA and HDR to provide guidance on where in the tipping pad electrical outlet to be located.**
- **MWA and HDR indicated there could be another potential spot to stockpile excavated pond sediment materials south of established Phase II landfill.**
- **MWA and HDR noted that vegetation removal and stockpiling is to be incidental to Bid Item A-117 and Bid Item A-118. MWA and HDR to clarify stockpiling of removed vegetation.**

- ***HDR stated that MWA can pick and choose if Bid Item A-117, Bid Item A-118, and Bid Item A-119 are approved or not. These are alternate items, and Owner reserves the right to award some, all, or none of all bid items.***
- ***HDR noted that stormwater is to drain from north to south along the eastern edge of Cell F construction in both the alternate and base versions.***
- ***HDR expects field fitting to provide adequate drainage on the terrace on the west side of the construction area.***
- ***MWA indicated that the southeast sediment pond's water can be used for dust control.***
- ***HDR to clarify potential options of discharging water from the sediment ponds.***
- ***After the conclusion of the pre-bid meeting, participants were invited and attended a brief site tour.***



Meeting Attendance

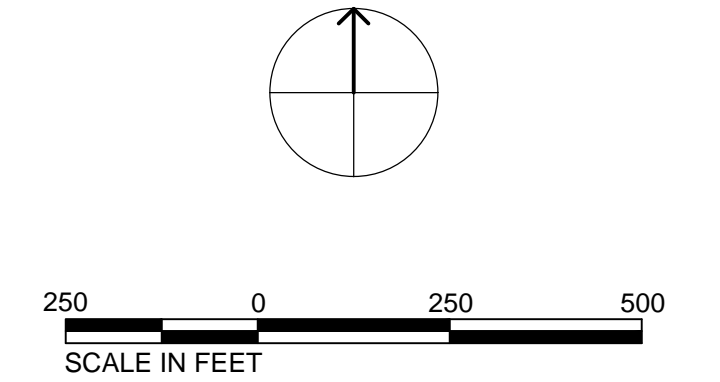
Project: Metro Waste Authority P65 – MPE Cell F Liner Construction

Subject: Pre-Bid Meeting

Date: Tuesday, February 18, 2025

Location: Metro Park East Landfill Administrative Office

Attendee	Organization	Email	Phone #
Matt Morris	MWA	mmo@mwatoday.com	
Andrew Phillips	MWA	aph@mwatoday.com	
Brian Wambold	MWA	bwa@mwatoday.com	
Katie Kinley	HDR	Kathryn.Kinley@hdrinc.com	
Mike Walsh	HDR	Michael.Walsh@hdrinc.com	
Greg Ellis	Ryan Central	Greg.Ellis@ryancentral.com	
Bill Holland	JB Holland	bholland@jbhl.biz	
Jeff Theis	Peterson Construction	jefft@pcius.com	
Brandon Stevens	Elder Corp	brandon.stevens@eldercorp.com	515-249-5681
Grant Imoehl	CJ Moyna	gimoehl@cjmoyna.com	563-500-6938
Tom Libbesmeier	Veit	Tom.libbesmeier@veitusa.com	612-490-0504
Hunter Watkins	McAninch Corp	hwatkins@mcaninchcorp.com	
John McMullen	McAninch Corp	jmcmullen@mcaninchcorp.com	515-238-2028



- NOTES**
- EXISTING TOPO IS A COMBINATION OF HISTORIC AERIAL SURVEYS FROM JULY 2021 THROUGH JUNE 2024, PROVIDED BY AEROVIEW SERVICES.
 - SITE COORDINATES ARE BASED UPON IOWA STATE PLANE SOUTH ZONE, NAVD88.

**SECTION 00 41 00
 BID FORM
 METRO WASTE AUTHORITY
 PROJECT P-65 – CELL F LINER**

ARTICLE 1 – BID RECIPIENT

- 1.01 This Bid is submitted to:
*Metro Waste Authority
 12181 NE University Ave
 Mitchellville, IA 50169*
- 1.02 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with Owner in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

ARTICLE 2 – BIDDER’S ACKNOWLEDGEMENTS

- 2.01 Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. This Bid will remain subject to acceptance for 60 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of Owner.
- 2.02 BIDDER will sign and deliver the required number of counterparts of the AGREEMENT with the Bonds and other documents required by the Bidding Requirements within 15 days after the date of OWNER's Notice of Award.

ARTICLE 3 – BIDDER’S REPRESENTATIONS

- 3.01 In submitting this Bid, Bidder represents that:
 - A. Bidder has examined and carefully studied the Bidding Documents, and any data and reference items identified in the Bidding Documents, and hereby acknowledges receipt of the following Addenda:

<u>Addendum No.</u>	<u>Addendum Date</u>	<u>Addendum No.</u>	<u>Addendum Date</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

- B. Bidder has visited the Site, conducted a thorough, alert visual examination of the Site and adjacent areas, and become familiar with and satisfied itself as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
- C. Bidder has carefully studied all: (1) reports of explorations and tests of subsurface conditions at or adjacent to the Site and all drawings of physical conditions relating to existing surface or subsurface structures at the Site that have been identified in the Supplementary Conditions, especially with respect to Technical Data in such reports and drawings, and (2) reports and drawings relating to Hazardous Environmental Conditions, if any, at or adjacent to the Site that have been identified in the Supplementary Conditions, especially with respect to Technical Data in such reports and drawings.

- D. Bidder has carefully studied all: (1) reports of explorations and tests of subsurface conditions at or adjacent to the Site and all drawings of physical conditions relating to existing surface or subsurface structures at the Site that have been identified in the Supplementary Conditions, especially with respect to Technical Data in such reports and drawings, and (2) reports and drawings relating to Hazardous Environmental Conditions, if any, at or adjacent to the Site that have been identified in the Supplementary Conditions, especially with respect to Technical Data in such reports and drawings.
- E. Bidder has considered the information known to Bidder itself; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Bidding Documents; and any Site-related reports and drawings identified in the Bidding Documents, with respect to the effect of such information, observations, and documents on (1) the cost, progress, and performance of the Work; (2) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder; and (3) Bidder's safety precautions and programs.
- F. Bidder agrees, based on the information and observations referred to in the preceding paragraph, that no further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of this Bid for performance of the Work at the price bid and within the times required, and in accordance with the other terms and conditions of the Bidding Documents.
- G. Bidder is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents.
- H. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents and confirms that the written resolution thereof by Engineer is acceptable to Bidder.
- I. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance and furnishing of the Work.
- J. The submission of this Bid constitutes an incontrovertible representation by Bidder that Bidder has complied with every requirement of this Article, and that without exception the Bid and all prices in the Bid are premised upon performing and furnishing the Work required by the Bidding Documents.
- K. Bidder has examined and carefully prepared the proposal from the Bidding Documents and has checked the same in detail before submitting this Bid.
- L. Bidder will submit written evidence of its authority to do business in the state where the Project is located not later than the date of its execution of the Contract.
- M. Bidder agrees to waive any claim it has or may have against the Owner, the Engineer and the respective employees, arising out of or in connection with the administration, evaluation or recommendation of the Bid.

ARTICLE 4 – BIDDER'S CERTIFICATION

4.01 Bidder certifies that:

- A. This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any collusive agreement or rules of any group, association, organization, or corporation;
- B. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid;
- C. Bidder has not solicited or induced any individual or entity to refrain from bidding; and
- D. Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Paragraph 4.01.D:
 - 1. "corrupt practice" means the offering, giving, receiving, or soliciting of anything of value likely to influence the action of a public official in the bidding process;

2. “fraudulent practice” means an intentional misrepresentation of facts made (a) to influence the bidding process to the detriment of Owner, (b) to establish bid prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition;
3. “collusive practice” means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish bid prices at artificial, non-competitive levels; and
4. “coercive practice” means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

ARTICLE 5 – BASIS OF BID

5.01 Bidder will complete the Work in accordance with the Contract Documents for the following price(s):

Item No.	Description	Estimated Quantity	Unit	Bid Unit Price	Bid Price
101	Mobilization, demobilization, and all work not included in Bid Item Nos. 102 through 114	1	LS		
102	Excavate and Load Soils from Project Area	190,000	CY		
103	Haul, place, and compact Structural Fill	30,000	CY		
104	Remove and Replace Unsuitable Soils Below Base Grade (Cell F Liner System)	5,000	CY		
105	Excavate, Haul, and Place Soil at Owner Operation's Stockpile as Daily Cover	48,600	CY		
106	Excavate, Haul, and Place Soil at Owner Designated Stockpile as Structural Fill	74,400	CY		
107	Construct Cell F Groundwater Control System, Liner, Leachate Collection System, and Raincover	1	LS		
108	Drainage Layer Aggregate	31,200	TONS		
109	Terraces and stormwater control system	1	LS		
110	Construct Aggregate North Road	1	LS		
111	Tipping Pad & South Road Aggregate with Culverts	1	LS		
112	Underground Electrical Extension - South of Cell	1	LS		
113	Seeding All Areas (Install Owner supplied Topsoil. Install Seed, Fertilize, and Mulch)	6.5	AC		
114	Allowance (2.5% of Total Combined Price of Bid Items 101 – 113)	1	LS		

A-115	Sediment Removal, Southwest Sediment Pond	26,600	CY		
A-116	Sediment Removal, Temporary South Sediment Pond	21,000	CY		
A-117	Remove and Replace Riser Structures & Emergency Outfall, Southwest Sediment Pond	1	LS		
A-118	Additional Excavation	695,000	CY		
A-119	Additional Str. Fill	5,000	CY		
A-120	Additional Groundwater Control System, Liner, Leachate collection System, Raincover	1	LS		
A-121	Additional Drainage Layer Aggregate	20,400	TONS		

ARTICLE 8 – BID SUBMITTAL

BIDDER: *[Indicate correct name of bidding entity]*

By:
[Signature] _____

[Printed name] _____
(If Bidder is a corporation, a limited liability company, a partnership, or a joint venture, attach evidence of authority to sign.)

Attest:
[Signature] _____

[Printed name] _____

Title: _____

Submittal Date: _____

Address for giving notices:

Telephone Number: _____

Fax Number: _____

Contact Name and e-mail address: _____

State Contractor's License
No.: _____
(where applicable)

END OF BID FORM

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SECTION 01 29 01
PAYMENT PROCEDURES

PART 1 - GENERAL

1.1 SUMMARY

A. This Section Includes:

1. Administrative and procedural requirements necessary to prepare and process Applications for Payment.

1.2 SCHEDULE OF VALUES

A. For lump sum contracts, furnish a statement allocating portions of the Contract Sum to various portions of the Work which will be used as the basis for reviewing Applications for Payment.

1. Submit preliminary Schedule of Values utilizing the template format and work breakdown provided as an attachment to this Section within 10 days after the effective date of the Agreement.
2. Before submittal of first progress payment, make corrections and adjustments as necessary to obtain an acceptable Schedule of Values and resubmit to the Engineer.
 - a. No progress payment requests will be processed until the Schedule of Values is accepted by the Engineer.

B. Format and Content:

1. Use the form provided and supplement as necessary using the Project Manual table of contents as a guide to establish additional line items for the Schedule of Values. Provide at least one line item for each Specification Section.
2. Include the following project identification on the Schedule of Values:
 - a. Project name, location, and Owner contract/project number.
 - b. Name of Engineer.
 - c. Engineer's project number.
 - d. Contractor's name and address.
 - e. Date of submittal.
3. Arrange the Schedule of Values for the lump sum Bid Item No. 1 (or, alternatively, the Bid Item No. fully executed) per Specification Section 00 80 00, with the following subdivisions, description of work and dollar values for each:
 - a. Subcontractor work.
 - b. Manufacturer or fabricator.
 - c. Supplier.
 - d. Contractor work.
4. Provide a breakdown of the Contract Sum in enough detail to facilitate continued evaluation of Applications for Payment and progress reports.
5. Round amounts to nearest whole dollar; total shall equal the Contract Sum.
6. Provide a separate line item in the Schedule of Values for each part of the Work where Applications for Payment may include materials or equipment purchased or fabricated and stored, but not yet installed.
7. Each item in the Schedule of Values and Applications for Payment shall be complete. Include total cost and proportionate share of general overhead and profit for each item.
 - a. Temporary facilities and other major cost items that are not direct cost of actual work-in-place may be shown either as separate line items in the Schedule of Values or distributed as general overhead expense at Contractor's option.

1.3 APPLICATIONS FOR PAYMENT

- A. Each Application for Payment shall be consistent with previous applications and payments as recommended by the Engineer and approved by Owner.
- B. The date for each progress payment is on or about the first of each month. The period covered by each Application for Payment starts on the day following the end of the preceding period and ends 10 days before the date for each progress payment.
- C. Requests for progress payments shall be submitted at least 10 days before the date established for each progress payment, but not more often than once a month. Use forms provided in Contract Documents for Applications for Payment. Sample copy of the Application for Payment and Continuation Sheet is included in Section 01 29 01A.
- D. Application Preparation Procedures:
 - 1. When requested by the Contractor, the Engineer will determine the estimated quantities and classifications of Unit Price Work performed.
 - a. Preliminary determinations will be reviewed with the Contractor before submitting Application for Payment.
 - b. Contractor will complete the Application for Payment based on Engineer's decision on actual quantities and classifications.
 - c. Engineer will submit copies of Application for Payment to Contractor for certification.
 - 1) Contractor shall submit signed Application for payment to Owner for approval within time frame agreed to at the Preconstruction Conference.
 - 2. For a lump sum price contract, the Contractor shall prepare a preliminary determination for payment based on the approved Schedule of Values and review with Engineer before completing Application for Payment.
 - a. Payment for lump sum bid items shall be in the amount of scheduled values of each of the aggregate components comprising the lump sum items multiplied by the respective percent completion estimate.
 - 3. If payment is requested for materials and equipment not incorporated in the Work, then the following shall be submitted with the Application for Payment:
 - a. Evidence that materials and equipment are suitably stored at the site or at another location agreed to in writing.
 - b. A bill of sale, invoice, or other documentation warranting that the materials and equipment are free and clear of all liens.
 - c. Evidence that the materials and equipment are covered by property insurance.
 - 4. Complete every entry on form. Execute by a person authorized to sign legal documents on behalf of Contractor.
- E. With each Application for Payment, submit the Following Documents:
 - 1. Waivers of liens from subcontractors and suppliers for the construction period covered by the previous application.
 - a. Submit partial waivers on each item for amount requested before deduction for retainage on each item.
 - b. When an application shows completion for an item, submit final or full waivers.
 - c. Owner reserves the right to designate which entities involved in the Work shall submit waivers.
 - d. Submit final Application for Payment with or preceded by final waivers from every entity involved with performance of the Work covered by the application.
 - e. Submit waivers of lien on forms executed in a manner acceptable to Owner.
 - 2. Project schedule updated in accordance with criteria contained in Section 01 11 20 - Job Conditions.

- F. The following administrative actions and submittals shall precede or coincide with submittal of first Application for Payment:
1. List of subcontractors.
 2. Schedule of Values.
 3. Contractor's construction schedule.
 4. Copies of applicable permits.
 5. Copies of authorizations and licenses from authorities having jurisdiction for performance of the Work.
- G. Submit final Application for Payment with releases and supporting documentation not previously submitted and accepted including, but not limited, to the following:
1. Evidence of completion of Project closeout requirements.
 2. Insurance certificates for products and completed operations where required and proof that taxes, fees and similar obligations were paid.
 3. Updated final statement, accounting for final changes to the Contract Sum.
 4. Consent of Surety to Final Payment.
 5. Final lien waivers as evidence that claims have been settled.
 6. Final liquidated damages settlement statement.
 7. Requirements listed in Section 01 77 01 - Closeout Procedures.

1.4 MEASUREMENT AND PAYMENT

A. Lump Sum Bid Items General:

1. Measurement of lump sum bid items will be based on an estimated percent complete of the various components of the lump sum item established by the Contractor's Schedule of Values and approved by the Engineer. Contractor will make progress estimates on or about the first day of the month and submit to Engineer for review and approval.

B. Lump Sum & Unit Price Items:

1. Bid Item 101: Mobilization, demobilization, and all work not included in Bid Item Nos. 102-114:
 - a. Item shall include all work not included in other bid items needed to complete this project.
 - b. Measurement and payment will be based on an estimated percent complete of the various components of the lump sum item established by the Contractor's Schedule of Values and approved by the Engineer. Contractor will make progress estimates on or about the first day of the month and submit to Engineer for review and approval.
2. Bid Item 102: Excavate, load, and haul soils from the Project Area:
 - a. Measurement and payment shall be by the cubic yard volume of soil excavated from the Cell F project area, including cell, runout, roads, and full area as measured by survey.
 - b. The quantity of bulk excavation shall be paid for at the Unit Price per cubic yard within the project area and design boundaries. Incidental to this item is any temporary stockpiling, and segregation of any topsoil. Incidental to this item is any clearing and grubbing.
3. Bid Item 103: Haul, Place, and Compact Soils for Structural Fill:
 - a. Measurement and payment shall be by the cubic yard volume of soil placed as structural fill in the project area as measured by survey instrument.
 - b. The quantity of structural fill shall be paid for at the Unit Price per cubic yard placed as structural fill to the design grades as shown on the Drawings, and per the project specifications. Item includes structural fill to the bottom of clay in the cell, road fill, perimeter fill, and tipping pad fill, with testing per the specifications. Included in this item is all fill, smooth grading, and shaping of roads and drainageways.

4. Bid Item 104: Remove and Replace Unsuitable Soils Below Base Grade (Cell F Liner System):
 - a. Measurement and payment shall be by the cubic yard volume of unsuitable soil removed and replaced as measured by tape or survey instrument, in coordination and with approval of RPR.
 - b. Incidental to this item is testing per the specifications for structural fill placement. Incidental to this item is hauling unsuitable soils to the active face of the landfill for use as daily cover.
5. Bid Item 105: Haul and Place Soil at Owner Operation's Stockpile as Daily Cover:
 - a. Measurement and payment shall be by the cubic yard volume of soil excavated from the Cell F project area and placed as measured by survey instrument or verified load count in coordination with the RPR and as approved by the Engineer.
 - b. Total excavation and loading to be paid under Bid Item 102. This bid item measured by survey or load count shall be paid for material placed at the working face stockpile. At end of project, combined totals of Bid Items 103, 104, 105, 106, and 37,000-cy for RCL placement, may exceed total excavation of Bid Item 102. No allowances will be made for soil swell.
 - 1) Anticipated to be 300 CY/day, 6 days/week, for 27 weeks.
6. Bid Item 106: Haul, and Place Soil at Owner Designated Stockpile as Structural Fill:
 - a. Measurement and payment shall be by the cubic yard volume of soil excavated from the Cell F project area and placed in the Owner Designated stockpile as measured by survey instrument and verified by final survey.
 - b. Material shall be placed in lifts as structural fill in accordance with the project specifications, for future berm location.
 - c. Designated stockpile location is to the northeast of the project area, in coordination with the Owner and Engineer provided grades. Incidental to this item is fine grading berm and stockpiles, maintaining positive drainage in stockpile areas, segregation of topsoil or any sand encountered into separate stockpiles. Incidental to this item is clearing and grubbing and stripping vegetation and topsoil from the stockpile area and grading into a stockpile prior to stockpiling additional material in the area.
7. Bid Item 107: Construct Cell F Groundwater Control System, Liner, and Leachate Control System, and Raincover
 - a. Measurement will be based on an estimated percent complete of the various components of the lump sum item established by the Contractor's Schedule of Values and approved by the Engineer. Contractor will make progress estimates on or about the first day of the month and submit to Engineer for review and approval.
 - b. Include in this item all labor, materials, and testing to supply and install the groundwater control system, liner system, leachate control system, and raincover system as shown in the Drawings and described in the specifications. Incidental to this item is soil hauling and placement for the recompacted clay liner, all temporary stockpiling of materials, & material management. Incidental to this item is installation of seepage drain with groundwater control system as needed, as shown on the drawings.
8. Bid Item 108: Drainage Layer Aggregate
 - a. Measurement and payment shall be by the total tonnage of drainage layer aggregate delivered to site and placed in Cell F. For bidding purposes, assume 3,200-lbs/cy of aggregate (dry). No additional payment or allowance shall be made for installing over 1-ft of drainage layer, stockpiling losses, or delivering material wet. Stockpile management, loading material from the stockpile, and hauling and placing in the cell in accordance with the specifications, is included in Bid Item 107. This bid item is purchase, hauling to site, and delivering to the drainage layer stockpile only.
 - b. Included in this item is all pre-qualification and quality control testing of aggregate material.

- c. Owner reserves the right to award some, all, or none of all bid items. Owner may elect to purchase drainage aggregate and deliver to site stockpile for Contractor use – thereby not awarding this bid item.
9. Bid Item 109: Terraces and stormwater control system
- a. Measurement will be based on an estimated percent complete of the various components of the lump sum item established by the Contractor's Schedule of Values and approved by the Engineer. Contractor will make progress estimates on or about the first day of the month and submit to Engineer for review and approval.
 - b. Include in this item all labor and materials to supply and install stormwater terrace as shown on the drawings, silt fence as needed, pumping equipment, and the stormwater control system as shown on the drawings and described in the project manual. Diesel powered pumps installed as described in Section 01 50 00 will remain on site after construction completion. Available materials on site include: 1,300-LF of 18-inch diameter ADS pipe and 700-LF of 12-inch diameter ADS pipe as 20-ft sticks. Contractor is responsible for supplying and installing all material for this item, however is encouraged to utilize the above materials to the extent possible.
10. Bid Item 110: Construct Aggregate – North Road
- a. Measurement will be based on an estimated percent complete of the various components of the lump sum item established by the Contractor's Schedule of Values and approved by the Engineer. Contractor will make progress estimates on or about the first day of the month and submit to Engineer for review and approval.
 - b. Include in this item all labor and materials to supply and install the north road textile, shingle sub-base, and aggregate, and tying in to the existing roadway as shown on the drawings and described in the project manual. Structural fill, excavation, and smooth grading road and perimeter ditch to be included in the structural fill and excavation bid items 102 and 103 above.
11. Bid Item 111: Tipping Pad & South Road Aggregate with Culverts
- a. Measurement will be based on an estimated percent complete of the various components of the lump sum item established by the Contractor's Schedule of Values and approved by the Engineer. Contractor will make progress estimates on or about the first day of the month and submit to Engineer for review and approval.
 - b. Include in this item all labor and materials to supply and install textile, shingle sub-base, and aggregate, grading in the drainageways to facilitate drainage, and tying in to the existing south roadway as shown on the drawings and described in the project manual. Structural fill, excavation, and smooth grading tipping pad, drainageways, and south road to be included in the structural fill and excavation bid items 102 and 103 above.
 - c. Include in this item supply and install of 30-inch culverts with riprap and flared end sections as shown on the drawings. 30-inch CMP salvaged culvert material may be utilized for 30-inch CMP. If salvage results in culvert condition not being adequate for re-use, supply of new 30-inch CMP to be incidental to this item.
12. Bid Item 112: Underground Electrical Extension – South of Cell F
- a. Measurement will be based on an estimated percent complete of the various components of the lump sum item established by the Contractor's Schedule of Values and approved by the Engineer. Contractor will make progress estimates on or about the first day of the month and submit to Engineer for review and approval.
 - b. Existing outlet is located south of Cell E. Contractor to complete this item as a delegated design to tie-in at existing electrical box shown on drawings and extend power approximately 1,350-LF underground to west edge of new tipping pad. Submittal to include tie-in by licensed electrician. Location on west edge of tipping pad to be coordinated with Owner. Install 2-bollards on north and south sides of the outlet box.
13. Bid Item 113: Seeding All Areas (Install Owner supplied Topsoil. Install Seed, Fertilize, and Mulch):
- a. Measurement & payment shall be by the acreage of surveyed area, as coordinated with and approved by the Owner.

- b. Additional areas to be seeded outside of the project area (including all disturbed, vegetated areas resulting from Contractor's work activities) shall be included within Lump Sum pricing and included within the Contractor's submitted schedule of values.
14. Bid Item 114: Allowance:
- a. Item may not be used without written approval from Owner, for items outside of the existing scope of the project. See Specification Section 01 21 00 for more information.
15. ALTERNATE Bid Item 115: Sediment Removal, Southwest Sediment Pond
- a. Measurement shall be by the cubic yard volume of soil excavated from the pond to the design grades shown on the drawings, as measured by survey.
 - b. The quantity of excavation shall be paid for at the Unit Price per cubic yard within the project area and design boundaries of the pond.
 - c. Included in this item is vegetation removal and stockpiling from the pond.
 - d. Included in this item is excavation, loading, hauling, and placing material from the ponds to the top deck of the landfill, in 4"-6" lifts. Approximately 10-acres has been allocated for spreading of material. Contractor shall be responsible for discing placed material to dry for next lift, and for protecting existing infrastructure on the top deck of the landfill. Included in the item is smooth grading the pond, all water management, sediment control and seeding and fertilizing the pond slopes once complete.
16. ALTERNATE Bid Item 116: Sediment Removal, Temporary South Sediment Pond
- a. Measurement shall be by the cubic yard volume of soil excavated from the pond to the design grades shown on the drawings, as measured by survey.
 - b. The quantity of excavation shall be paid for at the Unit Price per cubic yard within the project area and design boundaries of the pond.
 - c. Included in this item is vegetation removal and stockpiling from the pond.
 - d. Included in this item is excavation, loading, hauling, and placing material from the ponds to the top deck of the landfill, in 4"-6" lifts. Approximately 10-acres has been allocated for spreading of material. Contractor shall be responsible for discing placed material to dry for next lift, and for protecting existing infrastructure on the top deck of the landfill. Included in the item is smooth grading the pond, all water management, and sediment control, seeding and fertilizing the pond slopes once complete.
17. ALTERNATE Bid Item 117: Remove and Replace Riser Structures and Emergency Outfall, Southwest Sediment Pond
- a. Measurement will be based on an estimated percent complete of the various components of the lump sum item established by the Contractor's Schedule of Values and approved by the Engineer. Contractor will make progress estimates on or about the first day of the month and submit to Engineer for review and approval.
 - b. Include in this item all labor and materials to supply and install replacement stormwater outfall structures, including the risers and emergency outfall. Include in this item full removal and disposal of existing infrastructure, placement of fill, excavation, and grading, as needed. Include in this item seeding and fertilizing around outfall once complete.
18. ALTERNATE Bid Item 118: Excavate, load, and haul soils from the Project Area to South Compost stockpile area
- a. Measurement shall be by the cubic yard volume of soil excavated from the expanded Cell F project area and placed at the south compost area. Incidental to this item is temporary stockpiling, fine grading of stockpile and excavation area, promoting positive drainage, and segregation of material type. Incidental to this item is clearing and grubbing and stripping vegetation and topsoil from the stockpile area and grading into a stockpile prior to stockpiling additional material in the area.
 - b. The quantity of bulk excavation shall be paid for at the Unit Price per cubic yard within the project area and design boundaries.
19. ALTERNATE Bid Item 119: Haul, Place, and Compact Additional Soils for Structural Fill:

- a. Measurement shall be by the cubic yard volume of soil placed as structural fill in the expanded project area as measured by survey instrument.
 - b. The quantity of structural fill shall be paid for at the Unit Price per cubic yard placed as structural fill to the design grades as shown on the Drawings, and per the project specifications. Item includes structural fill to the bottom of clay in the cell, road fill, and tipping pad fill.
20. ALTERNATE Bid Item 120: Construct Expanded Cell F Groundwater Control System, Liner, and Leachate Control System, and Raincover
- a. Measurement will be based on an estimated percent complete of the various components of the lump sum item established by the Contractor's Schedule of Values and approved by the Engineer. Contractor will make progress estimates on or about the first day of the month and submit to Engineer for review and approval.
 - b. Include in this item all labor, materials, and testing to supply and install the groundwater control system, liner system, leachate control system, and raincover system as shown in the Drawings and described in the specifications. Incidental to this item is soil hauling and placement for the recompacted clay liner, all temporary stockpiling of materials, & material management. Incidental to this item is installation of seepage drain with groundwater control system as needed, as shown on the drawings.
21. ALTERNATE Bid Item 121: Drainage Layer Aggregate
- a. Measurement and payment shall be by the total tonnage of drainage layer aggregate delivered to site and placed in Cell F. For bidding purposes, assume 3,200-lbs/cy of aggregate (dry). No additional payment or allowance shall be made for installing over 1-ft of drainage layer, stockpiling losses, or delivering material wet. Stockpile management, loading material from the stockpile, and hauling and placing in the cell in accordance with the specifications, is included in Bid Item 121. This bid item is purchase, hauling to site, and delivering to the drainage layer stockpile only.
 - b. Included in this item is all pre-qualification and quality control testing of aggregate material.
 - c. Owner reserves the right to award some, all, or none of all bid items. Owner may elect to purchase drainage aggregate and deliver to site stockpile for Contractor use – thereby not awarding this bid item.

PART 2 - PRODUCTS - (NOT APPLICABLE TO THIS SPECIFICATION SECTION)

PART 3 - EXECUTION - (NOT APPLICABLE TO THIS SPECIFICATION SECTION)

END OF SECTION