

ADDENDUM

OCTOBER 25, 2019

ATTENTION ALL REQUEST FOR BID (RFB) HOLDERS

RFB NO. 319027 - ADDENDUM NO. 1

PHASE 11 & 12 LINER CONSTRUCTION

DANE COUNTY LANDFILL SITE NO. 2 (RODEFELD)

BIDS DUE: TUESDAY, NOVEMBER 19, 2019, 2:00 PM
DUE DATE AND TIME ARE NOT CHANGED BY THIS ADDENDUM.

This Addendum is issued to modify, explain or clarify the original Request for Bid (RFB) and is hereby made a part of the RFB. **All bidders must acknowledge this Addendum on the Bid Form.**

PLEASE MAKE THE FOLLOWING CHANGES:

1. BID FORM

Remove Bid Form; replace with new Bid Form, issued with this Addendum. The revised Bid Form is marked "Addendum No. 1" and has been revised as follows:

Item No. 6 shall read "Install 18-Inch CMP Culvert" instead of "Install CMP Culvert". Changes have been made in red.

Replaced Item No. 25 titled "Dripleg" with "Perimeter Litter Fence". Changes have been made in red.

2. SECTION 01270 - SCHEDULE OF VALUES & PAYMENTS

Remove Section 01270; replace with new Section 01270, issued with this Addendum. The revised section is marked "Addendum No. 1" and has been revised as follows:

Clarified Item No. 6 now titled "Install 18-inch CMP Culvert". Changes have been made in red.

Revised Item No. 6 now titled "Perimeter Litter Fence". Changes have been made in red.

Clarified Item No. 28 titled "Install submersible pump and transducer". Changes have been made in red.

3. SHEET 4 - SUBBASE GRADES - GRADIENT CONTROL SYSTEM

Culvert, for access road onto County Highway AB, shall be a 100' CMP pipe with an 18" diameter.

4. ATTACHMENT A - PRE-BID MEETING

Pre-bid meeting minutes and attendance list are provided in Attachment A.

5. ATTACHMENT B - AUTOCAD FILES

AutoCAD files for the Construction Plant Set are provided in Attachment B.

CONTRACTOR QUESTIONS

Question 1: The bid documents show a 16" x 0.25" pole for the perimeter litter fence. The last Contractor used poles that were 16" x 0.375". Please advise.

Answer: The existing perimeter litter fence was constructed by two different Contractors over two different years. The first Contractor used poles that were 16" x 0.25" and the second used poles that were 16" x 0.375". The minimum pole specifications are 16" x 0.25".

Question 2: Is there an approved haul route for accessing stockpiles?

Answer: No, Dane County has decided to leave that up to the Contractor. We have several routes that could be used including, but not limited to, County Road AB, the landfill service road, the landfill haul road, or over the landfill. Landfill traffic will have the as the right-of-way at all times. All haul roads must be restored to original conditions.

Question 3: Do you have any approved aggregate sources?

Answer: No, we do not have any approved aggregate sources.

Question 4: Where is the dripleg location and detail? Please clarify.

Answer: Dripleg has been removed from the Contractors scope of work.

Question 5: Please clarify the divisions of work regarding the submersible pump and transducer.

Answer: Please refer to the revised Section 01270 - Schedule of Values and Payments, issued with this Addendum.

Question 6: Can you provide a list of approved Contractors for the Perimeter Litter Fence?

Answer: Yes, below are approved Contractors that we've used in the past.

Company: NETServices
Contact: Dan Nunn
Phone: 888.365.6387

Company: Net Connection
Contact: Ken Burnham
Phone: 205.365.5828

Question 7: What are the restoration requirements for the Clay Borrow Site?

Answer: Per our Conditional Use Permit the Clay Borrow Site must be restored to a maximum slope of 3:1, have a minimum of 6" of topsoil, and seeded with a cereal (winter) rye. Seed must be installed at a rate of 131 PLS per acre and mulched at a rate of 1.5 tons per acre.

Question 8: Will Dane County remove any underground piping in the vertical expansion area?

Answer: Yes, Dane County will be responsible for removing and relocating existing piping within the limits of construction, including the vertical expansion area prior to Work within that area.

Question 9: How will Item No. 13, Select Clay Fill, on the Bid Form be measured?

Answer: The Select Clay Fill will be measured and paid based on the in-place volume in Phases 11 & 12 (as opposed to total volume removed from the Clay Borrow Site). The 50,800 CY includes all areas of Select Clay Fill (Areas C & D).

Question 10: Does the dual contained forcemain require bedding and backfill? Is there a minimum burial depth? Please clarify.

Answer: See Detail 6, Sheet 8 titled "Electric Conduit / Leachate Pipe from Vault to Existing Forcemain Pipe".

If any additional information about this Addendum is needed, please call Robert Regan at 608/516-3159, Regan@countyofdane.com.

Sincerely,

Robert Regan, P.E.

Project Manager

Enclosures:

Bid Form, Revised 10/25/19

Section 01270 - Schedules of Values and Payment, Revised 10/25/19

Attachment A - Pre-Bid Meeting Minutes & Attendance

Attachment B - AutoCAD Files

Name of Bidding Firm: _____

BID FORM

BID NO. 319027

**PROJECT: PHASE 11 &12 LINER CONSTRUCTION
DANE COUNTY LANDFILL SITE #2**

**TO: DANE COUNTY DEPARTMENT OF WASTE & RENEWABLES
PROJECT MANAGER
1919 ALLIANT ENERGY CENTER WAY
MADISON, WISCONSIN 53713**

NOTE: WISCONSIN STATUTE 77.54 (9M) ALLOWS FOR NO SALES & USE TAX ON THE PURCHASE OF MATERIALS FOR COUNTY PUBLIC WORKS PROJECTS.

BASE BID - UNIT PRICING:

Dane County is inviting Bids for construction services for Phase 11 & 12 Liner Construction. The undersigned, having examined the site where the Work is to be executed and having become familiar with local conditions affecting the cost of the Work and having carefully examined the Drawings and Specifications, all other Construction Documents and Addenda thereto prepared by Dane County Department of Waste & Renewables hereby agrees to provide all labor, materials, equipment and services necessary for the complete and satisfactory execution of the entire Work, as specified in the Construction Documents, for the Base Bid unit pricing as follows:

ITEM	SCHEDULE OF VALUE DESCRIPTION ⁽¹⁾	UNITS	ESTIMATED QUANTITY	UNIT PRICE	SCHEDULE OF VALUE PRICE
1	Mobilization	LS	1		
2	Surveying	LS	1		
3	Sediment Control Fence	LF	3,000		
4	Remove and Relocate Existing Downslope Flume and Energy Dissipater	LS	1		
5	Remove and Dispose of Existing Culverts	LS	4		
6	Install 18-Inch CMP Culvert	LS	1		
7	Remove Existing Haul Road	CY	1,500		
8	Subbase Grade Construction - Vertical Expansion Area with an Existing Geomembrane (Area A on Drawings 4 and 5)		-----		
	Estimated Cut Volume ⁽²⁾⁽³⁾	CY	300		
9	Subbase Grade Construction – Vertical Expansion Area with no Existing Geomembrane (Area “B” on Drawings 4 and 5)				
	Estimated Cut Volume ⁽²⁾⁽³⁾	CY	5,300		
10	Subbase Grade Construction – Horizontal Expansion Area (Area “C” on Drawings 4 and 5)	-----	-----		
	Estimated Cut Volume ⁽²⁾⁽³⁾	CY	1,900		

ITEM	SCHEDULE OF VALUE DESCRIPTION ⁽¹⁾	UNITS	ESTIMATED QUANTITY	UNIT PRICE	SCHEDULE OF VALUE PRICE
11	Subbase Grade Construction – (Area “D” on Drawings 4 and 5) and perimeter berms	-----	-----		
	Estimated Cut Volume ⁽²⁾⁽³⁾	CY	104,200		
	Estimated Fill Volume ⁽²⁾⁽³⁾	CY	44,800		
12	Groundwater Gradient Control System	LS	1		
13	Select Clay Fill ⁽²⁾ (Owner Furnished Material from Westport Borrow Site)	CY	50,800		
14	Unsuitable Soil Removal / Replacement	CY	100		
15	Geomembrane Surface Preparation	LS	1		
16	60 mil Geomembrane (Textured)	SY	51,000		
17	Geomembrane Boots Around Existing Gas Wells	LS	1		
18	Perforated and Nonperforated HDPE Leachate Pipes	LS	1		
19	Leachate Collection Sump and Inclined Riser Pipe	LS	1		
20	Geotextile Cushion	SY	51,000		
21	Leachate Headwells	LS	4		
22	Select Aggregate Fill Drainage Layer ⁽²⁾	CY	19,000		
23	Electrical Resistivity Testing Assistance	LS	1		
24	Perimeter Access Vaults	LS	2		
25	Perimeter Litter Fence	LF	1,400		
26	Leachate Dual Contained Forcemain	LF	800		
27	Electrical Conduit	LF	2000		
28	Install Submersible Pump and Transducer	LS	2		
29	Topsoil Placement	ACRE	4.6		
30	Seed, Fertilize, and mulch	ACRE	4.6		
31	Erosion Control and Revegetation Mat	ACRE	4.6		
32	Access Roads	LS	1		
33	Temporary Perimeter Berm at Western Limits of Phase 11 Liner	LF	160		
			TOTAL:		

Notes:

⁽¹⁾ Refer to Section 01270 “Schedule of Values and Payment” for description of Work for each bid item.

⁽²⁾ The quantity is the volume of material needed for construction and is based on in-place volume with no consideration for haul losses, shrinkage, or compaction.

⁽³⁾ Quantity estimated to the top of existing ground (includes topsoil).

The undersigned agrees to add the alternate(s) portion of the Work as described, for the following addition(s) to or subtraction(s) from the Base Bid, as stipulated below.

ALTERNATE BID 1A - UNIT PRICING:

Add price for providing rework of existing clay over vertical expansion area as described in Section 01270, titled "Schedule of Values and Payment".

ITEM	ITEM DESCRIPTION	UNITS	ESTIMATED QUANTITY	ADD(+)/DEDUCT(-) PRICE
1A	Rework Existing Clay over Vertical Expansion Area	SY	1	

ALTERNATE BID 2A - UNIT PRICING:

Add price for hauling general fill to off-site stockpile or fill site as described in Section 01270, titled "Schedule of Values and Payment".

ITEM	ITEM DESCRIPTION	UNITS	ESTIMATED QUANTITY	ADD(+)/DEDUCT(-) PRICE
2A	Hauling General Fill to Off-Site Stockpile / Fill Site	CY	58,000	

Receipt of the following addenda and inclusion of their provisions in this Bid is hereby acknowledged:

Addendum No(s). _____ through _____

Dated _____

Dane County Department of Public Works, Highway & Transportation – Solid Waste Division must have this project completed by December 31, 2020. Assuming this Work can be started by January 1, 2020, what dates can you commence and complete this job?

Commencement Date: _____ Completion Date: _____
(final, not substantial)

I hereby certify that all statements herein are made on behalf of:

(Name of Corporation, Partnership or Person submitting Bid)

Select one of the following:

1. A corporation organized and existing under the laws of the State of _____, or

2. A partnership consisting of _____, or

3. A person conducting business as _____;

Of the City, Village, or Town of _____ of the State of _____.

I have examined and carefully prepared this Bid from the associated Construction Documents and have checked the same in detail before submitting this Bid; that I have full authority to make such statements and submit this Bid in (its) (their) (my) behalf; and that the said statements are true and correct. In signing this Bid, we also certify that we have not, either directly or indirectly, entered into any agreement or participated in any collusion or otherwise taken any action in restraint of free competition; that no attempt has been made to induce any other person or firm to submit or not to submit a Bid; that this Bid has been independently arrived at without collusion with any other bidder, competitor, or potential competitor; that this Bid has not been knowingly disclosed prior to the Bids Due Date to another bidder or competitor; that the above statement is accurate under penalty of perjury.

The undersigned agrees to be qualified as a Best Value Contractor or will have proven their exemption before the award of this contract.

The undersigned further agrees to honor the Base Bid and the Alternate Bid(s) for sixty (60) calendar days from date of Award of Contract.

SIGNATURE: _____
(Bid is invalid without signature)

Print Name: _____ Date: _____

Title: _____

Address: _____

Telephone No.: _____ Fax No.: _____

Email Address: _____

Contact Person: _____

THIS PAGE IS FOR BIDDERS' REFERENCE AND NEED NOT BE SUBMITTED WITH BID FORM.

BID CHECK LIST:

These items **must** be included with Bid:

Bid Form

Bid Bond

Fair Labor Practices Certification

BIDDERS SHOULD BE AWARE OF THE FOLLOWING:

DANE COUNTY VENDOR REGISTRATION PROGRAM

Any person bidding on any County contract must be registered with the Dane County Purchasing Division & pay an annual registration fee. A contract will not be awarded to an unregistered vendor. Obtain a *Vendor Registration Form* by calling 608/266-4131 or complete a new form or renewal online at:

www.danepurchasing.com/registration

DANE COUNTY BEST VALUE CONTRACTING PRE-QUALIFICATION

General Contractors & all Subcontractors must be pre-qualified as a Best Value Contractor with the Dane County Public Works Engineering Division before the award of contract. Qualification & listing is not permanent & must be renewed every 24 months. Obtain a *Best Value Contracting Application* by calling 608/266-4018 or complete one online at:

countyofdane.com/pwht/BVC_Application.aspx

DANE COUNTY VENDOR REGISTRATION PROGRAM

All bidders are strongly encouraged to be a registered vendor with Dane County. Registering allows vendors an opportunity to receive notifications for RFBs & RFPs issued by the County and provides the County with up-to-date company contact information. Complete a new form or renewal online at:

danepurchasing.com/Account/Login?

SECTION 01270
SCHEDULE OF VALUES AND PAYMENT

PART 1. GENERAL

1.1 SECTION INCLUDES

- A. Procedures for schedule of value payment.
- B. Schedule of value prices.

1.2 PROCEDURES

- A. Bid is full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete all WORK of the contract documents.
- B. OWNER will pay CONTRACTOR for the percentage of WORK completed for lump sum bid items and on actual installed quantities for unit price bid items.

1.3 SCHEDULE OF VALUE ITEMS FOR BID

- A. Description of WORK Items described below will form the basis for determining a schedule of values for determining progress payments for the lump sum price for Phase 11 &12 Liner Construction.

ITEM 1 MOBILIZATION

Mobilization schedule of value item includes, but is not limited to, the WORK and operations necessary for the transportation of equipment, training and movement of personnel to the project site, and for all other WORK and operations which must be performed before beginning WORK at the project site. WORK also includes, providing field office trailers (if necessary by CONTRACTOR), equipment trailers, location of underground utilities, development of appropriate health and safety plans, site security procedures, obtaining required construction related permits with the exception of the erosion control permit which OWNER will provide, bonds and insurance, and administrative costs. Item is a Lump Sum Bid Item and fifty percent of this item will be paid as demobilization at the end of the project.

ITEM 2 SURVEYING

Surveying schedule of value item includes, but is not limited to, performing all survey layout and survey documentation required to complete the WORK required under this contract. This item includes, global positioning system (GPS) setup of base stations and equipment, construction layout staking, and documenting as constructed coordinates and elevations required to complete the thickness and elevation information in the construction documentation coordinate and elevations tables in Appendix B of this project manual. CONTRACTOR survey requirements are further outlined in Section 01720 (Field Engineering) of this project manual.

The construction documentation coordinate and elevation tables provide the Groundwater Gradient Control System and liner design coordinates and elevations on a maximum 50 foot grid pattern and at slope break lines, Groundwater Gradient Control System perforated piping at 50 feet intervals, and leachate collection pipe design elevations at maximum 25 feet intervals.

This item also includes surveying the location of every as constructed geomembrane panel corner and the middle of every repair, location/elevation of surface water diversion berm flow lines, top of pipe elevation/location of perimeter drainage system piping, and downslope flumes/energy dissipater structures. Stakes, lath, paint or other materials used for locating and maintaining the locations will be furnished by CONTRACTOR.

Note that GPS enabled/guided equipment is required to be used for finish grading the subbase of the Select Clay Fill liner for Phase 11 &12, for maintaining maximum clay lift thickness during Select Clay Fill placement, for finish grading the base grades (top of Select Clay Fill liner), for finish grading outside the limits of composite liner construction, and for placing Select Aggregate Fill over the geomembrane liner to monitor that minimum specified cover soil thicknesses are maintained for the various equipment traversing over the geomembrane liner. Item is Lump Sum Bid.

ITEM 3 SEDIMENT CONTROL FENCE

Sediment Control Fence schedule of value item includes, but is not limited to, furnishing and installing Silt Fence in accordance with Specification Section 02374 in this project manual, local codes, and ordinances. This item includes installing and maintaining silt fence during construction. Silt fence locations are shown on Plan Sheet 6 in the engineering plans. Item is Unit Price Bid, estimated quantities are listed in Bid Form. Payment will be based on actual installed quantities as measured by CONTRACTOR and verified by OWNER.

ITEM 4 REMOVE AND RELOCATE EXISTING DOWNSLOPE FLUME AND ENERGY DISSIPATER

Remove and Relocate Existing Downslope Flume and Energy Dissipater schedule of value item includes, but is not limited to excavation and removal of existing 18 inch diameter HDPE corrugated with smooth wall interior pipe and an approximately 64 inch by 69 inch concrete energy dissipater as shown on Plan Sheet 4. Work also includes relocating the existing flume pipe and energy dissipater to a new location and furnishing and installing an additional inlet as shown on Plan Sheet 4. Work also includes providing and installing new geotextile and riprap around the inlet of the aprons and around the outlet of the energy dissipater. Item is Lump Sum Bid.

ITEM 5 REMOVE AND DISPOSE OF EXISTING CULVERTS

Remove and Dispose of Existing Culverts schedule of value item includes, but is not limited to, excavation of existing culverts as shown on Plan Sheet 4 and disposing in an on-site location designated by OWNER. Item is Lump Sum Bid per each culvert.

ITEM 6 INSTALL 18-INCH CMP CULVERT

Install 18-Inch CMP Culvert schedule of value item includes, but is not limited to, miscellaneous excavation, grading, trenching and backfilling, furnishing and installing 100-feet of 18-inch CMP Culvert as shown on the drawings, including aprons, bedding material, and backfill. Item is Lump Sum Bid per each culvert.

ITEM 7 REMOVE EXISTING HAUL ROAD

Remove Existing Haul Road schedule of value item includes, but is not limited to, excavating, hauling, and stockpiling existing aggregates and asphalt from within the construction area to the designated stockpile location shown on Plan Sheet 6. Item is Unit Price Bid, estimated quantities are listed in Bid Form. Payment will be based on in-

place stockpile volumes. Stockpile to be surveyed by CONTRACTOR and verified by OWNER for payment.

ITEM 8 SUBBASE GRADE CONSTRUCTION - VERTICAL EXPANSION AREA "A" WITH AN EXISTING GEOMEMBRANE

Notes:

1. The Vertical Expansion Area includes Area "A" shown on Plan Sheets 4 and 5.
2. Conditions found in the field may indicate that grades at the top of the existing geocomposite and geomembrane layers will not conform to the design top of liner grades shown on Plan Sheet 5, if these conditions are found, the existing grades will be maintained for the new composite liner system, but shall not be less than two percent. If there are areas found to be less than two percent grade, additional general fill will be placed to achieve the minimum grades.

Subbase Grade Construction - Vertical Expansion Area "A" with an Existing Geomembrane schedule of value item includes, but is not limited to, excavating and stockpiling existing topsoil and general fill rooting zone layers down to within approximately 6 inches above the existing geocomposite drainage and 40 mil geomembrane layers and maintaining at a minimum two percent grade slopes as shown on Plan Sheets 4 and 5. This item also includes controlling and removing surface water, and stabilizing areas to allow tie-in of the existing and new liner systems in accordance with the Plan Set and Specifications.

The top of the 6 inch existing General Fill protective layer within the limits of the liner area will be documented on a maximum 50-foot grid, and at changes of slope. Coordinate locations that need to be documented are contained in Appendix B of this Project Manual. The documentation point locations are shown on Plan Sheet 4. Stockpile excess Topsoil and General Fill in the soil stockpile areas shown on Plan Sheet 6.

Item is Unit Price Bid, estimated quantities are listed in Bid Form. Payment will be based on actual installed quantities as measured by CONTRACTOR and verified by OWNER. CONTRACTOR to survey construction area prior to and at the completion of excavation/fill placement to determine quantities.

ITEM 9 SUBBASE GRADE CONSTRUCTION - VERTICAL EXPANSION AREA "B" WITH NO EXISTING GEOMEMBRANE

Notes:

1. The Vertical Expansion Area includes Area "B" shown on Plan Sheets 4 and 5.
2. It is assumed the existing 2 foot thick clay layer in the existing final cover meets compaction specifications required by NR 504.06(2)(a). After the Topsoil and General Fill are removed and the Select Clay Fill liner is exposed, the OWNER/ENGINEER will perform in-field moisture and density tests to verify the clay meets compaction requirements and no further recompaction of the existing Select Clay Fill will be needed.
3. Bidder must also provide an Alternate Bid for Item 1A in Section ALTERNATE BID ITEMS of the Bid Form Tab.

4. Conditions found in the field may indicate that grades at the top of the existing Select Clay Fill will not conform to the design top of liner grades shown on Plan Sheet 5, if these conditions are found, the existing grades will be maintained for the new composite liner system, but shall not be less than two percent. If there are areas found to be less than two percent grade, additional Select Clay Fill will be placed to achieve the minimum grades.

Subbase Grade Construction - Vertical Expansion Area "B" with no Existing Geomembrane schedule of value item includes, but is not limited to, excavating and stockpiling existing topsoil and general fill rooting zone layers to expose the existing 2 foot thick compacted Select Clay Fill layer, placing Select Clay Fill, if necessary, to establish a minimum two percent slope for the subbase grades, and fine grading the subbase grades prior to placement of the geomembrane layer. This item also includes controlling and removing surface water, and stabilizing areas to allow tie-in of the existing and new liner systems in accordance with the Plan Set and Specifications.

Subbase grades within the limits of the liner area will be documented on a maximum 50-foot grid, and at changes of slope. Coordinate locations that need to be documented are contained on the Construction Documentation Coordinate and Elevations Tables provided in Appendix B of this Project Manual. The documentation point locations are shown on Plan Sheet 4. Stockpile excess Topsoil and General Fill in the soil stockpile areas shown on Plan Sheet 6.

Item is Unit Price Bid, estimated quantities are listed in Bid Form. Payment will be based on actual installed quantities as measured by CONTRACTOR and verified by OWNER. CONTRACTOR to survey construction area prior to and at the completion of excavation/fill placement to determine quantities.

ITEM 10 SUBBASE GRADE CONSTRUCTION - HORIZONTAL EXPANSION AREA "C"

Notes:

1. The Horizontal Expansion Area includes Area "C" shown on Plan Sheets 4 and 5.

Subbase Grade Construction - Horizontal Expansion Area "C" schedule of value item includes, but is not limited to, excavating and stockpiling existing topsoil and general fill to expose the existing 5-foot thick Select Clay Fill liner and transitioning the area to the design subbase grades for Phase 11 as shown on Detail 2 of Plan Sheet 8. This item also includes fine grading the subbase grades prior to placement of Select Clay Fill, controlling and removing surface water, and stabilizing areas to allow tie-in of the existing and new liner systems in accordance with the Plan Set and Specifications.

Subbase grades within the limits of the liner area will be documented on a maximum 50-foot grid, and at changes of slope. Coordinate locations that need to be documented are contained on the Construction Documentation Coordinate and Elevations Tables provided in Appendix B of this Project Manual. The documentation point locations are shown on Plan Sheet 4. Stockpile excess Topsoil and General Fill in the soil stockpile areas shown on Plan Sheet 6.

Item is Unit Price Bid, estimated quantities are listed in Bid Form. Payment will be based on actual installed quantities as measured by CONTRACTOR and verified by OWNER. CONTRACTOR to survey construction area prior to and at the completion of excavation/fill placement to determine quantities.

ITEM 11 SUBBASE GRADE CONSTRUCTION - HORIZONTAL EXPANSION AREA
"D"

Notes:

1. The Horizontal Expansion Area includes Area "D" shown on Plan Sheets 4 and 5.

Subbase Grade Construction – Horizontal Expansion Area "D" schedule of value item includes, but is not limited to, excavating, and placing fill to establish subbase grades, and fine grading the subbase grades prior to placement of Select Clay Fill as shown on the Drawings. This item also includes, controlling and removing surface water and groundwater, and stabilizing areas to allow construction of the subbase in accordance with the Drawings and Specifications.

Subbase grades within the limits of composite liner will be documented on a maximum 50 foot grid, and at changes of slopes. Coordinate locations of the subbase to be documented are contained on the construction documentation coordinate and elevations tables provided in Appendix B of this project manual. The documentation point locations numbers indicated on the tables are shown on Plan Sheet 4. The as constructed subbase elevations at the documentation locations within the limits of the Select Clay Fill placement are required to be at or below (-0.1 feet below) design subbase grades. Stockpile excess Topsoil and General Fill in the excess soil stockpile areas shown on Plan Sheet 6.

Item is Unit Price Bid, estimated quantities are listed in Bid Form. Payment will be based on actual installed quantities as measured by CONTRACTOR and verified by OWNER. CONTRACTOR to survey construction area prior to and at the completion of excavation/fill placement to determine quantities.

ITEM 12 GROUNDWATER GRADIENT CONTROL SYSTEM

Groundwater Gradient Control System schedule of value item includes, but is not limited to, miscellaneous excavation, grading, trenching and backfilling; furnishing and installing Select Aggregate Fill, perforated HDPE pipe, connecting to the existing transfer pipe, geotextile wrap, Select Granular Fill drainage layer and pipe bedding. This item also includes, controlling and removing surface water and groundwater, and stabilizing areas to allow construction of the Groundwater Gradient Control System in accordance with the Drawings and Specification (Section 02320 – Fill and Section 02618 – HDPE Piping, Below Grade). Item is Lump Sum Bid.

ITEM 13 SELECT CLAY FILL (OWNER FURNISHED MATERIAL – FROM
WESTPORT BORROW SITE)

Select Clay Fill schedule of value item includes, but is not limited to, excavating, loading and hauling from OWNER on site and off site Select Clay Fill borrow sources, placing, scarifying, moisture conditioning, compacting and constructing to the grades and minimum thickness shown on the Drawings.

Information regarding the Easy Street borrow site is provided in Appendix A. Specific clay data from prior construction projects utilizing clay from the Easy Street borrow site is provided in Appendix D.

WORK also includes proof rolling the subbase surface prior to placing the first lift of Select Clay Fill, and coordinating with and assisting OWNER/ENGINEER as necessary to allow OWNER/ENGINEER to conduct required in field density testing and collecting undisturbed Shelby tube samples for laboratory testing. Select Clay Fill field and laboratory testing will be provided by OWNER, but CONTRACTOR will remove and replace Select Clay Fill with failing test results at no additional cost to OWNER. All WORK shall be in accordance with Drawings and Specifications (Section 02320 – Fill)

Top of Select Clay Fill grades will be documented on a maximum 50 foot grid, and at changes of slopes (at the same location as the subbase grades). Coordinate locations of the Select Clay Fill to be documented are contained in the construction documentation coordinate and elevations tables provided in Appendix B of the Supplementary Conditions of this project manual. The documentation point locations numbers indicated on the tables are shown on Plan Sheet 4. The as constructed elevations at the documentation locations are required to be at or above the design base grades and at or above the minimum design Select Clay Fill liner thicknesses shown on the tables in Appendix B. CONTRACTOR will be responsible for maintaining uniform slopes to comply with the Drawings and Specifications and to control/pump surface water from the Select Clay Fill clay liner area. Double handling of Select Clay Fill is incidental to this bid item.

OWNER has an approved Conditional Use Permit and will obtain the necessary erosion control permits for the Easy Street Borrow Site. WORK related to OWNER's off site borrow source include:

- Follow requirements and procedures identified in OWNER's approved Conditional Use Permit.
- Furnishing materials and installing erosion control features per OWNER's erosion control plan.
- Stripping of Topsoil/General Fill overburden (estimated to be approximately 18 inches thick) from the Select Clay Fill borrow area and stockpiling on site.
- Excavating, loading, hauling Select Clay Fill to the landfill, unloading and placing in the Phase 11/12 liner area during liner construction.
- Restore the borrow area by placing stockpiled General Fill and Topsoil where Select Clay Fill was excavated and grading to provide proper drainage to an existing sedimentation basin.
- Seed restored areas with winter rye at a rate of 131 pounds/acre. Seeding will take place no later than October 15, 2020.
- Contractor is responsible for other permits outside OWNER's approved Conditional Use Permit necessary for excavating and hauling Select Clay Fill from the borrow site to the landfill.

Item is Unit Price Bid, estimated quantities are listed in Bid Form. Payment will be based on actual installed quantities as measured by CONTRACTOR and verified by OWNER. CONTRACTOR to survey construction area prior to and at the completion of clay placement to determine quantities.

ITEM 14 UNSUITABLE SOIL REMOVAL / REPLACEMENT

Unsuitable Soil Removal / Replacement schedule of value item includes, but is not limited to, excavating, hauling, and stockpiling of unsuitable soil from below the design subbase excavation grades or existing grades in areas where fill is required. Work also includes placement and compaction of general fill to reestablish subbase or existing grades prior to Select Clay Fill or additional General Fill placement.

Item is Unit Price Bid, estimated quantities are listed in Bid Form. Payment will be based on actual quantities as measured by CONTRACTOR and verified by OWNER. CONTRACTOR to survey or measure excavation area prior to and/or at the completion of excavation to determine quantities.

ITEM 15 GEOMEMBRANE SURFACE PREPARATION

Geomembrane Surface Preparation schedule of value item includes, but is not limited to, fine grading and smooth drum rolling the top of Select Clay Fill surface, so that it is free of irregularities, protrusions, loose soil, and abrupt changes in grade. This item includes, removing stones, waste materials, grade stakes, and other debris that may be damaging to the geomembrane, and filling all depressions and large cracks with tamped Select Clay Fill or bentonite. This item also includes, maintaining the surface and moisture content of the Select Clay Fill layer until geomembrane installation is complete including fixing ruts in the Select Clay Fill during geomembrane installation. Item is Lump Sum Bid

ITEM 16 60 MIL HDPE GEOMEMBRANE (TEXTURED)

Geomembrane schedule of value item includes, but is not limited to, furnishing, unloading shipments, storing, deploying, and installing textured 60 mil HDPE Geomembrane liner material above the Select Clay Fill in accordance with the Drawings and Specifications (Section 02070 – HDPE Geomembrane). This item also includes, performing specified testing, documentation, and repairs of the geomembrane panels and seams. This item includes, excavating and backfilling anchor trenches, repairs required to remove rolled up stones/debris from under the geomembrane. This item includes, patching holes found in the liner during the electrical resistivity testing survey after the leachate drainage layer and leachate piping is installed over the geomembrane.

Item is Unit Price Bid, estimated quantities are listed in Bid Form. Payment will be based on actual quantities as measured by CONTRACTOR and verified by OWNER. Area measurements will be based on in place true area measurements (adjusted for slopes). In place measurements will not account for overlaps or waste material. Geomembrane extending beyond the anchor trench will not be paid for (refer to Detail 5 on Plan Sheet 7).

ITEM 17 GEOMEMBRANE BOOTS AROUND EXISTING GAS WELLS

Geomembrane Boots Around Existing Gas Wells schedule of value item includes, but is not limited to, furnishing, and installing 60 mil HDPE Textured Geomembrane pipe boots around gas and leachate collection features that penetrate the geomembrane liner as indicated on the Drawings and Specifications. For this Item, performing specified testing, documentation, and repairs of the geomembrane panels and seams, is covered under schedule of value Item 16. Item is Lump Sum Bid.

ITEM 18 PERFORATED AND NONPERFORATED HDPE LEACHATE PIPE

Perforated and Nonperforated HDPE Leachate Pipe schedule of value item includes, but is not limited to, furnishing, fusing, and installing, Perforated and Nonperforated HDPE Leachate Pipes, pipe fittings, and appurtenances in accordance with the Drawings and Specifications (Section 02618 – HDPE Piping, Below Grade). This item also includes, furnishing and installing the additional Select Aggregate Fill over the pipe above and beyond the 1 foot thick Select Aggregate Fill Drainage Layer included in schedule of value Item 24. Item is Lump Sum Bid

ITEM 19 LEACHATE COLLECTION SUMP AND INCLINED RISER PIPE

Leachate Collection Sump and Inclined Riser Pipe schedule of value item includes, but is not limited to excavating and fine grading the Leachate Collection Sump and furnishing and installing the 18-inch diameter Inclined Riser Pipe, HDPE sheet stock to protect the geomembrane, and appurtenances required to comply with the Drawings and Specifications. This item also includes furnishing and installing additional Select Aggregate Fill in the Leachate Collection Sump above and beyond the 1-foot thick drainage layer paid for in Item 21.

This item also includes conducting a 24-hour water leak test on the Leachate Collection Sump to identify possible holes in the Geomembrane prior to the installation of Select Aggregate Fill and appurtenances in the Leachate Collection Sump. The 24-hour leak test will require the CONTRACTOR to fill the Leachate Collection Sump with water and cover the water with plastic sheeting (to minimize evaporation) and allow the water to remain in the Leachate Collection Sump a minimum of 24-hours. The leak test will be observed by the OWNER/ENGINEER. The OWNER/ENGINEER will mark the initial water level on the geosynthetics and observe the water level a minimum of 24-hours later. The CONTRACTOR will then pump out the water from the Leachate Collection Sump to allow the OWNER/ENGINEER to walk the Leachate Collection Sump area to determine if there are any soft areas or if there is any water under the Geomembrane liner indicating a potential leak in the Geomembrane. CONTRACTOR will locate and repair any leaks in the Geomembrane liner. Item is Lump Sum Bid per each sump/riser pipe.

ITEM 20 GEOTEXTILE CUSHION

Geotextile Cushion schedule of value item includes, but is not limited to, furnishing and installing the 12 oz. Geotextile Cushion above the geomembrane of the composite liner as shown on the Drawings and Specifications (Section 02076 - Geotextiles).

Item is Unit Price Bid, estimated quantities are listed in Bid Form. Payment will be based on actual quantities as measured by CONTRACTOR and verified by OWNER. Area measurements will be based on in place true area measurements (adjusted for slopes). In place measurements will not account for overlaps or waste material. Geotextile extending beyond the anchor trench will not be paid for (refer to Detail 5 on Plan Sheet 7).

ITEM 21 LEACHATE HEADWELLS

Leachate Headwells schedule of value item includes, but is not limited to, furnishing and installing all piping, additional Select Aggregate Fill over the pipe, fittings, steel protective casing with locking cap, and other miscellaneous appurtenances required for Leachate Headwell installation in accordance with Drawings and Specifications. This item also includes Surveying the as-constructed Leachate Headwell locations and elevations in

accordance with the technical specification Section 1720 (Field Engineering) and Tables in Appendix B of this Project Manual. Item is Lump Sum Bid per each Leachate Headwell.

ITEM 22 SELECT AGGREGATE FILL DRAINAGE LAYER

Select Aggregate Fill Drainage Layer schedule of values item includes, but is not limited to, furnishing and installing Select Aggregate Fill on the composite liner system to a minimum thickness of 1.0 feet to comply with the Drawings and Specifications (Section 02320 - Fill). This item includes using GPS enabled equipment or other method to control stone thickness ensuring that a minimum thickness of Select Aggregate Fill is maintained between tracked and wheeled equipment as specified in the Specifications. This item should not include, the additional Select Aggregate Fill placed as bedding material for the Perforated HDPE Leachate Pipe. Additional Select Aggregate Fill described above should be accounted for in the appropriate other schedule of value items.

Item is Unit Price Bid, estimated quantities are listed in Bid Form. Payment will be based on actual installed quantities as measured by CONTRACTOR and verified by OWNER. CONTRACTOR to survey construction area prior to and at the completion of select aggregate fill placement to determine quantities.

ITEM 23 ELECTRICAL RESISTIVITY TESTING ASSISTANCE

Electrical Resistivity Testing Assistance schedule of value item includes, but not limited to, providing assistance to OWNER/ENGINEER while OWNER/ENGINEER performs the geomembrane leak location survey as discussed in Section 02320, Subsection 3.6. This item includes, providing a source of AC power (110 VAC, 5 A), two supervised laborers with equipment, a water truck, water, and truck driver. WORK also includes, remove standing water and uncovering, exposing, and repairing any leaks found in the geomembrane. The leak location survey will be completed in less than 3 consecutive 10 hour days. Contractor must coordinate sequence of other WORK with the schedule for electrical resistivity testing. Item is Lump Sum Bid

ITEM 24 PERIMETER ACCESS VAULT

Perimeter Access Vault schedule of value item includes, but is not limited to, furnishing and installing the concrete Perimeter Access Vault, vault cover/lid, all piping, valves, foam insulation, appurtenances, material, equipment, and other incidentals as required to comply with the Drawings and Specifications. OWNER will provide electrical work to be performed by others including furnishing and installing the heat tracing, wiring, control panel, seal off boxes, and appurtenances. OWNER will also furnish the leachate pump, pump skate carriage, and transducer. Item is Lump Sum Bid per each perimeter access vault.

ITEM 25 PERIMETER LITTER FENCE

Perimeter Litter Fence schedule of value item includes, but is not limited to, furnishing, and installing poles, cables, supports, mesh, and appurtenances in accordance with the Drawings and Specifications.

Item is Unit Price Bid, estimated quantities are listed in Bid Form. Payment will be based on actual installed quantities as measured by CONTRACTOR and verified by OWNER.

ITEM 26 LEACHATE DUAL CONTAINED FORCEMAIN

Leachate Dual Contained Forcemain (Forcemain) schedule of values includes, but is not limited to, furnishing and installing all piping, trench excavation, fittings, valves, insulation board, tracing wire, warning tape, thrust blocking, material, equipment, pressure testing, and other incidentals as required to comply with the Drawings and Specifications. This item also included furnishing and installing Select Granular Fill pipe bedding material and connecting the Forcemain to the existing Forcemain in accordance with the Drawings.

This item also include coordinating with the OWNER's electrical contractor and furnishing and installing 4-inch diameter rigid PVC conduit pipe in the same trench as the Forcemain during installation.

Item is Unit Price Bid, estimated quantities are listed in Bid Form. Payment will be based on actual installed quantities as measured by CONTRACTOR and verified by OWNER.

ITEM 27 ELECTRICAL CONDUIT

Electrical Conduit schedule of values includes, but is not limited to, coordinating with the OWNER's electrical contractor, furnishing and installing all 4-inch diameter rigid PVC conduit, trench excavation, fittings, tracing wire, warning tape, material, equipment, and other incidentals as required to comply with the Drawings and Specifications, excluding electrical conduit installed under Item 26.

Item is Unit Price Bid, estimated quantities are listed in Bid Form. Payment will be based on actual installed quantities as measured by CONTRACTOR and verified by OWNER.

ITEM 28 INSTALL SUBMERSIBLE PUMP AND TRANSDUCER

Install Submersible Pump and Transducer schedule of values includes, but is not limited to, provide labor, materials, and other incidentals to physically install a submersible pump and transducer provided by the OWNER in the 18-inch diameter inclined riser pipe. This item includes furnishing and installing the 2-inch diameter HDPE pump discharge pipe and stainless steel threaded transition fitting for connecting the discharge pipe to the submersible pump. Work also includes securing the pump and transducer to the OWNER provided pump skate, and extending the **OWNER PROVIDED** power cable, stainless steel lifting cable, and sensor wire from the pump/transducer into the Perimeter Access Vault. This item does NOT include the electrical work involved to connect the pump, transducer, and control panel to make the system operational. Electrical work will be provided by others. Item is Lump Sum Bid per pump/transducer.

ITEM 29 TOPSOIL PLACEMENT (OWNER FURNISHED MATERIAL)

Topsoil Placement schedule of value item includes, but is not limited to, hauling, placing, and grading topsoil from OWNER's on site stockpiles (refer to Plan Sheet 6) in accordance with the Drawings and Specifications. Double handling of Topsoil is incidental to this bid item.

Item is Unit Price Bid, estimated quantities are listed in Bid Form. Payment will be based on actual installed quantities as measured by CONTRACTOR and verified by OWNER.

ITEM 30 SEED, FERTILIZE, AND MULCH

Seed, Fertilize, and Mulch schedule of value item includes, but is not limited to, seedbed preparation, seeding, fertilizing, mulching, maintenance and repair, including reseeding if necessary, in accordance with the Drawings and Specifications. This item includes seeding, fertilizing, and mulching all Topsoil areas and other areas where vegetation was disturbed during construction, including existing and newly constructed stockpiles.

Item is Unit Price Bid, estimated quantities are listed in Bid Form. Payment will be based on actual installed quantities as measured by CONTRACTOR and verified by OWNER.

ITEM 31 EROSION CONTROL AND REVEGETATION MAT

Erosion Control and Revegetation Mat (ECRM) schedule of value item includes, but is not limited to, furnish and installing ECRM and appurtenances on diversion berms, and all disturbed areas with 3H:1V or greater slopes in accordance with the Drawings and Specifications (Section 02376 – Erosion Control Material). This item includes, trenching, anchoring, and staking or pinning the ECRM in accordance with MANUFACTURER's instructions.

Item is Unit Price Bid, estimated quantities are listed in Bid Form. Payment will be based on actual installed quantities as measured by CONTRACTOR and verified by OWNER.

ITEM 32 ACCESS ROADS

Access Roads schedule of value item includes, but is not limited to, furnishing and installing Mirafi 500x (or approved equal) woven geotextile, Base Course, and Gravel Surface Course in accordance with the Drawings and Specifications. This item includes grading the Base Course and Gravel Surface Course, watering and smooth drum compacting to a firm and stable road. This item also includes furnishing and installing materials for constructing Stone Tracking Pads in accordance with WDNR Conservative Practice Standard No. 1057 and the Drawings and Specifications. Item is Lump Sum Bid.

ITEM 33 TEMPORARY PERIMETER BERM AT WESTERN LIMITS OF PHASE 11 LINER

Temporary Perimeter Berm at Western Limits of Phase 11 Liner schedule of value item includes, but is not limited to, loading, hauling, placing, fine grading, and incidentals required to construct the Temporary Perimeter Berm (Detail 4 on Plan Sheet 8) in accordance with the plans and Specifications.

Item is Unit Price Bid, estimated quantities are listed in Bid Form. Payment will be based on actual installed quantities as measured by CONTRACTOR and verified by OWNER.

- B. Description of WORK for Alternate Bid Items described below will form the basis for determining a schedule of values for determining progress payments for the lump sum price for the Phase 11 & 12 Construction.

ITEM 1A REWORK CLAY OVER VERTICAL EXPANSION AREA

Rework Clay over Vertical Expansion Area schedule of value item includes, but is not limited to, moisture conditioning, compaction, and fine grading of existing clay liner in Vertical Expansion Area "B". Work also includes coordinating with and assisting

OWNER/ENGINEER as necessary to allow OWNER/ENGINEER to conduct required in field density testing.

Item is Unit Price Bid, No work is expected under this bid item. Owner is requesting bid should unexpected conditions arise during construction. Payment will be based on actual installed quantities as measured by CONTRACTOR and verified by OWNER.

ITEM 2A HAULING GENERAL FILL TO OFF-SITE STOCKPILE/FILL SITE

Hauling General Fill to Off-Site Stockpile/Fill Site schedule of value item includes, but is not limited to, loading and hauling excess general fill generated during subbase excavation under Items 8-11 to CONTRACTOR supplied off-site stockpile/fill site. Work shall also include all work related to unloading, grading, compaction, and restoration of the stockpile/fill-site.

Item is Unit Price Bid in addition to unit price costs outlined in Items 8-11. Payment will be based on actual quantities as measured by CONTRACTOR and verified by OWNER. Quantities to be measured based on total excavation excess cut quantities as determined by Items 8-11, minus any quantity of material stockpiled on-site. Contractor to survey on-site stockpiles to verify quantity.

PART 2. PRODUCTS

NOT USED.

PART 3. EXECUTION

NOT USED.

END OF SECTION

Attachment A - Pre-Bid Meeting Minutes & Attendance



DANE COUNTY DEPARTMENT OF WASTE AND RENEWABLES

County Executive
Joseph T. Parisi

1919 Alliant Energy Center Way ♦ Madison, Wisconsin 53713
Phone: (608) 266-4018 ♦ Fax: (608) 267-1533

Director
John Welch P.E.

PRE-BID MEETING MINUTES

7102 U.S. HIGHWAY 12 & 18, MADISON, WI
WEDNESDAY, OCTOBER 23, 2019 @ 10:00 AM

- Introduction – sign in
- Description of Work
 - Liner construction at a municipal solid waste landfill including all earthwork, geosynthetics, and restoration. Select Clay Fill shall be excavated and hauled from Dane County's borrow site located in the Town of Westport.
- Work by Owner:
 - Outlined in Instructions to Bidders, Section 19 "Work by Owner".
- Construction schedule
 - Notice to Proceed Issued: January 2020
 - Commencement: Spring 2020
 - Completion: December 31, 2020
- Bid Opening on Tuesday, November 19, 2019 at 2:00 p.m. at Waste & Renewables Office, 1919 Alliant Energy Center Way, Madison WI 53713.
- Plans, Specifications, and Addenda available on the Dane County's bid website (bids-pwht.countyofdane.com) for free download.
 - **Plan holders are available on this website.**
- Addenda
 - Timeline for questions – last day to submit is November 8, 2019.
 - Timeline for addenda – last day to issue addenda is November 12, 2019.
 - Addendum No. 1 - Address discrepancies in the Bid Form and Schedule of Values & Payments, Contractor questions, AutoCAD files of the Construction Plan Set, and Pre-Bid Meeting Minutes and Attendance Sheet.
- Dane County Protocol
 - General conditions of the contract, general requirements of the project.
 - ESB, AAP, etc. (**review General Conditions, Section 43**)
 - BVC
 - Payments, retainage, etc. (**review General Conditions, Section 25**)
- Include with bid:

- Signed Bid Form – acknowledge all addenda
- Fair Labor Practices Certification form
- 5% Bid Bond
- Before award:
 - Submittals on proposed substitutions
 - Bidders encouraged to be a *paid registered vendor* with Dane County
 - www.danepurchasing.com
 - 608/266-4131
- Submittals required once contract is awarded
 - Insurance with “Dane County” listed as additional insured
 - 100% Performance/Payment Bond
 - Signed NTP
 - Subcontractors list including fax, phone, and email
 - Product data, including any substitutions
 - Schedule of values and AIA Pay Request Form
- Must comply with City of Madison Noise Ordinance – Construction noise allowed between 7 AM – 7 PM Monday-Saturday and 10 AM - 7 PM on Sunday.
- Parking and storage are available on-site.
- Landfill hours of operation are 7 AM - 2:45 PM Monday through Friday and 8 AM to 10:45 AM on Saturday. Dane County can provide access afterhours with a gate key. Contractor encouraged to use construction entrance off County Road AB.
- Project Security/Safety: public (be courteous to landfill customers), traffic (main gate sees approximately 400 customers a day, be aware and courteous), methane (active landfill, no smoking on Dane County property), and other construction (shop building construction and biogas facility operation - stay out of fenced area).
- Questions on procedure or requirements
- Site tour



DANE COUNTY DEPARTMENT OF WASTE AND RENEWABLES

County Executive
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Director
John Welch P.E.

PRE-BID ATTENDANCE SHEET
7102 U.S. HIGHWAY 12 & 18, MADISON, WI
WEDNESDAY, OCTOBER 23, 2019 @ 10:00 AM

NAME	COMPANY	PHONE	E-MAIL
Brian Steinke	R.G. Huston	608.255.9223	BSteinke@rghuston.com
Brian McKeown	Clean Air & Water Systems	262.269.6073	BMcKeown@caawsystems.com
Joshua Koehlo	Integrity Grading & Excavating	715.370.1401	Josh@integrityge.com
Mike Kleist	Buteyn Peterson Construction	920.377.1806	Mike.Kleist@jpsbp.com
Grace Callen	Dakota Intertek	262.784.8844	GCallen@dakotaic.com
Tracy Carlson	Edgerton Contractors	414.764.4443	TC@edgerton.us
Eric Anthon	Silha & Sons Excavating	608.295.2668	EAnthon@silhaexcavation.com
Dewey Lonnigon	River View Construction	715.574.6255	Dewey@riverviewusa.com