



COUNTY OF ACCOMACK

FINANCE DEPARTMENT

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Margaret A. Lindsey
Director of Finance

TO: Potential Bidders for IFB #733 – Landfill Cell Expansion

FROM: Lucy Huffman, Procurement Specialist

DATE: February 23, 2021

SUBJECT: **Addendum #2–IFB #733**
Including Q's & A's from the Mandatory (Virtual) Pre-Bid Meeting:

This addendum consists of 8 pages. Also included with this Addendum are attachments, which include the following:

- Attachment No. 1: Cell 6A - Drainage Layer CQC Certification Report
- Attachment No. 2: Northern Landfill Western Expansion_Part B Permit Soil Boring Logs
- Attachment No. 3: Temperanceville Borrow Pit Location

The following, as clarifications, additions to and modifications in the Bidding Requirements and Contract Documents, will be included in, and become a part of the project. This Addendum forms a part of the Contract Documents. Bidders are, therefore, instructed to take the following into account in rendering any Bid for this work. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Revised construction drawing sheets will not be issued with this Addendum. Revised construction drawings incorporating all Addendum Items will be issued to the Bidder that is awarded the contract.

1. Section 00100 - 1.3 E.1.a, Demonstrated experience requirement.

Clarification: The Bidder is required to demonstrate experience at least equal to the installation and construction of soil liner, geosynthetic membranes and protective cover components for a Subtitle D MSW Landfill, by having successfully completed five (5) composite lined Subtitle D landfill projects, having a total constructed area of

at least 2,000,000 SF (45.9 acres), within the last three (3) years. Landfill closures with geosynthetic liner systems and drainage layers may be used to meet the specified completed projects and minimum constructed area qualification requirements.

2. Final/Substantial Completion

Clarification: The definition of “Substantial Completion” shall require completion of all Construction Quality Control (CQC) topographic surveys including the final as-built survey of the project; and all CQC materials and soils testing, inspections, and certification reports specified in the construction documents.

3. Designated area for tree, stump, brush and wood material waste

Clarification: All logs, stumps roots, brush, limbs, and other wood refuse from clearing and grubbing operations, except for useable materials otherwise salvaged or recycled by Contractor, shall be hauled to the County’s on-site Brush, Tree and Stump recycling area and chipped (by Contractor at his own expense). County will designate and prepare area (move existing mulch and materials staging piles, if necessary) to accommodate Contractors operations. All chipped wood shall be removed from the project site by Contractor or with County’s approval become property of the County free of charge and left on site.

4. I have the following question regarding the bid: 1. What is the correct scale for the drawings? For-instance sheet GT-101 is shown as a 70’ scale and sheet GT-301 is shown as a 60’ scale however they scale exactly the same.

Response: There is no common scale for all the drawing sheets. The graphical bar scale shown on GT-301 should read 1"=70'.

5. Plan GT003 indicates to “relocate service” for UG telephone. Can you provide the route for the relocated service?

Response: The telephone service noted (pedestal and UG cable) is no longer active or in service. The Pedestal can be demolished. Remove cable from subgrade under Cell 7 and containment berm footprint.

6. Plan GT102 shows 18” HDPE drainage pipe and Detail 4/GT602 shows a 10” butterfly valve. Can you confirm the sizes?

Response: Provide 18” stormwater discharge isolation valve with required fit-up for connection to proposed HDPE drainage pipe.

7. Is there a high-performance coating or liner required for the interior of the precast leachate wet well?

Response: All interior surfaces of the proposed Pump Station Wetwell manhole and top slab shall be coated with Raven 405 solvent-free 100% solids, ultra-high build epoxy coating or approved equal.

- 8. Plan GT-102 shows some piggyback finish grades (top of drainage layer) which are close to or below existing grade. Detail 5/GT601 shows proposed liner section of 30” and existing cover soil depth of 24”. Can you confirm the 30” piggyback liner section may be constructed entirely above existing grade?**

Response: Construction of the piggyback liner section shall include removal of all vegetation and topsoil materials to the top of the closure cover layer soils, and preparation of a smooth uniform surface free of depressions, low spots, benches, and abrupt changes in grade; with a maximum slope of 3H:1V. The piggyback liner section can then be constructed above this prepared surface in general conformance with the grading configuration shown on Drawing GT-102. See construction documents for required compaction of the piggyback liner subgrade.

- 9. Are there any geotechnical boring logs and/or soils testing data for either of the two borrow areas mentioned in Section 02230, 1.5C?**

Response: The drainage layer soils classification and CQA testing from the Cell 6A on-site borrow Certification Report is attached. The boring logs from the Northern Landfill Western Expansion Part B Permit are also attached. See Attachments 1&2.

- 10. Will the County consider adding a contingent Bid Item for Contractor furnished Drainage Layer material, if the two above mentioned County borrow areas do not contain enough suitable Drainage layer Material to complete project?**

Response: Drainage layer soil materials may be obtained from approved on-site or off-site borrow sources if the materials are deemed suitable for use in accordance with the requirements of the technical specifications for this material. The Contractor may also investigate the use of borrow materials from the County’s, off-site, Temperanceville borrow pit. See Attachment 3 for location. However, the Owner makes no warranty or guarantee as to the suitability or availability of on-site materials and/or Temperanceville borrow materials for use as drainage layer material. It is the Contractor’s responsibility to find and provide suitable materials from on-site, the Temperanceville borrow pit and/or other off-site sources if necessary, for the unit price bid under the Base Bid Schedule (Section 00300 – Bid Form). No additional cost shall be incurred by Owner if off-site materials are required.

- 11. Sheet GT-003, can Accomack County (County) provide information on the underground telephone cable and where the new connection should be made?**

Response: Service is not active and can be demolished; see response to Item No. 5.

12. Sheet GT-003, Benchmark #2 is located within the limits of Cell 7. Is it to be replaced or abandoned?

Response: Relocate Benchmark #3 to a location outside of waste boundary footprint near the adjacent corners of Sediment Pond No. 2 and Cell 7. Coordinate final location with County.

13. Sheet GT -101, It appears that areas to the south and west of Cell 7 are available for borrow soil. May we obtain subgrade plans for future cells to determine where cuts may be made and the depth?

Response: The areas designated for proposed on-site borrow consists of the area within the proposed Cell 7 construction footprint (which includes roadway, cell and containment berm, and sedimentation pond), area adjacent (west side) to the existing borrow pit, or at deeper elevations within the existing borrow pit. Expansion of the existing borrow pit to the north is limited by protected wetlands.

14. Sheet GT-102, Are screens or any other type of fittings required on the end of the landfill gas vent pipes?

Response: Perforated HDPE caps shall be installed on gas vent pipes.

15. A previously modified gas vent under the 6A piggy-back area has an outlet running to the north. Are we to pick up at this termination with a 90° elbow and outlet the pipe to the west? Is there a minimum slope required for this outlet pipe to allow moisture/condensation to drain?

Response: The existing gas vent pipe shall be trimmed back as required to make a connection within the existing 12" cover soil layer. The new pipe extension shall be installed at a minimum 3% downgradient slope and outlet to the east where shown.

16. Sheet GT-301, Can you confirm that proposed check dams located within the south and west perimeter channel drain less than 2 acres? Can you confirm the proposed check dam located in the northern perimeter channel will drain more than 2 acres?

Response: The check dams, starting on the southern perimeter and progressing counterclockwise, drain approximately 0.25, 0.55, 0.056 acres respectfully. The check dam on the northern perimeter will drain approximately 7.61 acres with 6.78 of that area passing over the outlet protection of the pipe just upstream.

17. Sheet GT-301, Can the County provide design information on the inlet and outlet protection of the culvert pipes. Is the inlet protection to be designed with silt fence, rock filters or with a sediment trap design? There is no dimensions or

stone size indicated for the outlet aprons. The notes on GT-301 indicate silt fence is adequate but the direction from the VA-ESCHB indicate silt fence should only be used as inlet protection when the drainage area is less than 1 acre. Please advise.

Response: The culver inlet protection uses a combination of silt fence and rock filters as shown on PLATE 3.08-1 of the VESCH. The outlet protection design dimensions and stone size are - start width (6'), end width (24'), Length (22'), D50 (1.6') and Class I Riprap. The combination of the silt fence and rock filter is adequate.

- 18. Sheet GT-301, Should we construct the rock construction entrance as shown on Sheet GT-301 or is it shown as an illustrative representation? Should it terminate and flare out at the improved road. Is the excessive length required?**

Response: The length should remain as shown and flare at the improved road.

- 19. Sheet GT-601, Detail 7, What is the length of solid pipe protruding from the berm before transitioning to perforated pipe?**

Response: Solid pipe shall extend 18" beyond the end of the HDPE boot sleeve.

- 20. Sheet GT-601, Detail 7, Please confirm that the Contractor is not responsible for the removal of the temporary stormwater pipe and patching of the geomembrane under this contract.**

Response: The Contractor is not responsible for this work.

- 21. Sheet GT-601, Detail 9, What is the "existing protective layer"? Will it require removal for the tie-in of the liner system?**

Response: The existing protective layer is a granular material that is part of the Cell 2 leachate collection system; and will not require additional removal. Only cover soils over existing geosynthetics will require removal to the dimensions shown on the detail.

- 22. Sheet GT-602, Detail 4, Valve is identified as a 10" valve. On Sheet GT-102, the pipe is identified as 18" HDPE pipe. Please clarify valve and pipe sizes.**

Response: Please see response to Item No. 6.

- 23. Sheet GT-801, Item F in the Sequence of Construction mentions a riprap lined channel. This channel is not identified elsewhere on the drawings. Please identify location, limits and riprap sizing on the drawings.**

Response: Revise Sequence of Construction as follows:

F. SEQUENCE OF CONSTRUCTION:

FOR THE PURPOSE OF PLAN APPROVAL, SELECTED CONTRACTOR, SHALL BE THE RESPONSIBLE LAND DISTURBER WHEN THE CONTRACT IS AWARDED. THE CONTRACTOR SHALL NAME A PERSON WHO IS CERTIFIED AS A RESPONSIBLE LAND DISTURBER. THE CONTRACTOR MUST THEN SUBMIT THE SIGNED APPLICATION FOR THE VSMP PERMIT TO DEQ ONE WEEK PRIOR TO LAND DISTURBANCE. CONTRACTOR SHALL MAINTAIN PERMANENT OR TEMPORARY STABILIZATION OF 8.00 ACRES OF THE PROJECT SITE AT ALL TIMES DURING CONSTRUCTION.

THE FOLLOWING IS THE GENERAL SEQUENCE OF CONSTRUCTION TO BE FOLLOWED IN ORDER TO INSTALL THE PROPOSED SEDIMENT EROSION CONTROL MEASURES:

1. NOTIFY ACCOMACK COUNTY SITE INSPECTOR 48 HOURS PRIOR TO ANY LAND DISTURBING ACTIVITIES.
2. PROVIDE E&S MEASURES PRIOR TO ANY LAND DISTURBING ACTIVITIES INCLUDING DEMOLITION.
3. INSTALL CONSTRUCTION ENTRANCE.
4. CLEAR & GRUB STORMWATER OUTFALL CHANNEL.
5. GRADE AND PERMANENTLY STABILIZE OUTFALL CHANNEL.
6. INSTALL SILT FENCE, INLET & OUTLET PROTECTIONS, DIVERSIONS AND STORMWATER CONVEYANCE CHANNELS AS SHOWN ON THE PLANS.
7. INSTALL PROPOSED STORMWATER DRAINAGE OUTLET FROM MSW CELL 7 AREA.
8. PERFORM GRADING ACTIVITIES WHILE MAINTAINING POSITIVE DRAINAGE TO THE DIVERSION DITCHES AND TO THE SEDIMENT BASIN.
9. ADJUST AND MAINTAIN SILT FENCE, INLET & OUTLET PROTECTIONS, DIVERSIONS AND SEDIMENT BASIN AS GRADING COMMENCES.

24. Sheet GT-801, Temporary erosion and sediment controls are to be removed upon stabilization. Does this include the check dams in the perimeter channel?

Response: Check dams may remain in place.

25. Section 01410, Item 1.6, Can the Soils Engineer be affiliated with the CQC Consultant?

Response: The Soils Engineer can be affiliated with CQC Consultant, provided all professional registration and certification requirements are met.

26. Section 02221, Please confirm all bedding and backfill material will be supplied by the Owner. Also please confirm that all density testing performed on trench backfill will be conducted by the Owner.

Response: Bedding materials, with exception of stone, may be obtained from approved on-site borrow source(s) by Contractor. All costs for soils testing, trench excavation, hauling, backfill, and compaction shall be included in Contractor's base bid price. All required trench backfill density testing is to be performed at Contractor's expense.

27. Section 02230, Item 1.5C, Will the use of the Temperanceville Borrow Source require permits?

Response: The County currently uses the Temperanceville site as an active borrow source and is not aware of any additional permitting requirements associated with its use as a potential borrow source for this project.

28. Section 01060 1.12 (3), Please clarify we are required to backfill excavations.

Response: As noted in the contract documents, the Contractor may investigate on-site material sources for drainage layer soils. Contractor may obtain drainage layer soils from any existing on-site borrow source or from within the limits of construction of Cell 7, if materials are suitable for use in accordance with the requirements of Section 02230 – Drainage Layer (Protective Cover). Any over excavation within the Cell 7 footprint shall be properly backfilled and compacted to the proposed liner subgrade elevation with suitable fill material approved by CQC soils engineer. There will be no additional payment for backfill and compaction if drainage layer soils are excavated from the Cell 7 limits of construction. No borrow excavation from the adjacent MSW Cell 8-11 footprint is authorized.

29. Are there any geotechnical boring logs for either of the two borrow areas mentioned in Section 02230, 1.5C?

Response: Please see response to Item No. 9.

30. Section 02275 1.1B (3) refers to 02235 - soil liner system but there is no spec 02235. Please clarify.

Response: Delete reference to Section 02235-Soil Liner System assuming above clarification request is referenced to Section 02775 1.1B (3).

31. Section 11077-2.2B.17. Would you provide details for the County's existing controls / monitoring system and contact information for the integration vendor?

Response: Please contact - Sydnor Hydro Inc.
Tyler Poindexter
Pumping Equipment / Controls Sales
Sydnor Hydro, Inc.
2111 Magnolia Street
Richmond, VA 23223
(804) 643-2725 ext. 229
tyler.poindexter@sydnorhydro.com

32. Please confirm the size of the RCP leading into Proposed Pond #2 and the size of CMP to be used for the Riser Structure. Information on Sheet GT-101, GT-102, and GT-301 is contradicted by Detail provided on GT-802.

Response: The pond has a 24” diameter inlet pipe and 24” diameter outlet pipe. The riser has a 36” diameter.

33. Is there a Specifications for the Soil Liner Material?

Response: Delete references to soil (clay) liner material; not required on this job, GCL being used instead.

34. Atlantic Concrete Company is specified as a provider for the Pump Station. Can you provide more information on this provider? I am not able to locate them.

Response: Atlantic Concrete Company is an approved precast manufacturer for the Pump Station manhole and vault structures.

Atlantic Precast Concrete, Inc.
Cockeysville, Maryland 21030
Phone: (410) 785-1777

Nansemond Pre-Cast Concrete Company is another approved precast manufacturer for this project.

35. Section SC-6.02.B indicates that the contractor will shall reimburse the owner for any overtime on any regular work day and work performed on Saturdays and/or Sundays. What are the allowable work hours per week and what is the overtime charge for the construction observation services?

Response: Delete requirement for Contractor to reimburse Owner for any overtime on any regular workday and work performed on Saturdays and/or Sundays required by Owner staff or Engineer in the performance of the construction on this project.

-End of Addendum-

ALL OTHER SPECIFICATIONS AND TERMS & CONDITIONS REMAIN AS ISSUED IN THE ORIGINAL INVITATION FOR BIDS.