

Glenn County Landfill Closure Project

Responses to Questions received as of March 21, 2019.

This document is intended to provide general responses to questions received prior to March 21, 2019. These responses, where they affect a change to the Contract Documents, are indicated in Addendum #2, being issued concurrently with these responses.

The questions were received in electronic format and have been numbered for ease of reference.

Questions 1-39 are shown numbered and italicized, followed by a response in **bold**.

1. *Reference Drawings 4.0 and 4.1. At the western limit of waste, the drawing delineates a grass-lined ditch line (G-L) between the northwest and southwest corners of the closure. At these same locations, there are also callouts for these ditches to be rock-lined (Detail C, Dwg. 7.1 and Detail I, Dwg. 7.3). This same discrepancy occurs at the southeast corner of the cap on Dwg. 4.1. Please correct the drawings to clarify whether the ditch along the western and southeastern limits of the closure cap are Grass-Lined Toe Ditches or a Rock-Lined Toe Ditches, and adjust the bid items to match.*

Response: Both of the areas indicated above should be grass-lined and are currently reflected in the Bid Schedule. Drawings 4.0 and 4.1 will be modified through an Addendum to delete the incorrect call-out. Drawing 7.3, Detail I will also be updated to reference the ditch section may include rock-lined or grass-lined, as indicated on the plan view.

2. *Reference Drawings 4.2 and 4.3 which both include the callout for Detail D on Drawing 7.2. There is no Detail D on Drawing 7.2. Please provide Detail D.*

Response: Detail D was a former callout and should be deleted. The callout on 4.2 will be deleted. For 4.3 the callout should be F/7.3 and will be reflected on an upcoming Addendum.

3. *Reference Drawing 4.1 which identifies four riprap outlet basins at the ends of the 24" HDPE culverts. Each of the four riprap outlet basins is called out to have 6 cubic yards of 12"-18" riprap. 6 cubic yards will cover one 1,800 square foot basin with 0.09' of thickness. If riprap is to be placed at a thickness of 24" (as shown on Detail 5, Drawing 7.4), each 30'x60' outlet basin would require 133 cubic yards of riprap. Given that this work is measured and paid for each Rock-lined Outlet location, please clarify whether the contractor is to reduce the size of the outlet basins shown to accommodate 6 cubic yards of riprap, or whether the contractor is to place over 100 cubic yards of riprap at each outlet basin to match the size of the basins shown on the plan.*

Response: The depiction of the rock-lined outlets are intended as graphical. Refer to the detail or call-out for quantities, as applicable. The call-outs specifically addressed above are intended to be sized for 6 cy of aggregate each.

4. *Reference Details A and B on Drawing 7.4, which call for Angular Rock in the rock-lined swales. Having reviewed the various aggregate descriptions in Specification Sections 02207, 02271, and 02272, it is not clear to us what gradation applies to Angular Rock. Please identify the specific Aggregate Type or gradation that corresponds to Angular Rock.*

Response: Details A and B on 7.4 are incorrectly shown and should be “Ditch Rock”. Detail 1 on 7.5 should delete 2” and only indicate “Ditch Rock”. Ditch Rock is included in Specification Section 02272 under 3.4 and intended to be similar to 4” x 6” sized rock. We will update that specific specification to clarify that Angular Rock, Ditch Rock, and 4” x 6” Rock, where specified, shall meet the gradation for A7 Aggregated as shown in Specification Section 02207.

5. *Reference the following details that identify Ditch Rock; Detail C, Dwg. 7.1, Detail E, Dwg. 7.2, Details H & I, Dwg. 7.3, Detail 2, Dwg. 7.5. Clarify gradation for ditch rock.*

Response: See response to question 4.

6. *Reference Detail 1, Dwg. 7.5 which identifies 2” Ditch Rock at the down drain inlets. Please identify the specific Aggregate Type or gradation that corresponds to 2” Ditch Rock.*

Response: The 2” notation will be deleted. See response to question 4.

7. *Reference the first sentence of the “Statement of Experience of Bidder” form (page 72 in the proposal documents). The sentence calls for the bidder to state what work of similar magnitude he or she has done. There is no place on this form to enter this information. Is this information to be submitted with the bid as an attachment?*

Response: See Addendum #2, Contractor to provide a Statement of Experience, in addition to the forms in the Bid Documents, in their own format and preferred less than 2 pages in length.

8. *Reference Specification Section 01010, paragraph 1.12, which identifies two reference documents, including the Construction Quality Assurance (CQA) Plan. Neither of these documents have been provided to the contractors with the bid documents. Please provide the CQA Plan to the contractors so we can understand the magnitude/frequency of testing that will be performed.*

Response: The CQA Plan will be added to the Request for Bid listing on the County website.

9. *Reference Specification Section 01039, paragraph 1.08.A, which states that the work is scheduled for a two-year construction period. There are several other specification sections that repeat this statement. This statement is not consistent with completion date*

of October 15, 2019 that is prescribed in paragraph 1 of the County of Glenn, Standard Contract Form (page 80). This contract form would assess liquidated damages for working beyond October 15, 2019. Please correct the specifications and Standard Contract Form to reflect a consistent completion date.

Response: The project is planned as a single year project to be completed by October 15, 2019.

10. *Reference Specification Section 02110, paragraph 4.01.A, which states that payment for Clear, grub, and stockpile upper 3-inches of Intermediate Cover (Bid Item no. 9) shall be on a price per plan-view acre of the closure cap plus 10 feet beyond the limits of waste. We interpret this to mean that the plan-view area to be paid equates to a horizontal-plane area, not the actual mounded surface area. Is this interpretation correct?*

Response: Yes, the area for this bid item is based on a flat plan-view surface as indicated in the Bid Documents.

11. *Reference the last sentence of Specification Section 02210, paragraph 1.07.A, which states that “In areas where the Contractor identifies existing foundation layer thicknesses less than 12-inches, these areas shall be coordinated with the Project Engineer and material added prior to rip and recompaction.” Is the contractor required to pothole the depth of the existing Foundation Layer soil to verify the thickness? If yes, please specify the number of potholes or desired spacing of potholes.*

Response: Pot-holing of the existing 12” foundation layer is not required by the Contractor. The County has measured the existing depth at 12 inches.

12. *Reference Specification Section 02210, paragraphs 2.01B and C, which mention the potential for caliche nodules. Is there is any geotechnical data available for the borrow area?*

Response: No, there is not a specific soils or geotechnical report for the Borrow Area. Onsite soil information is derived from materials excavated for the construction of the landfill, including depths consistent with or below those shown for the borrow source area. The contractor may elect to dig a test pit at their own expense prior to the bid opening date.

13. *Reference Specification Section 02210, paragraph 3.05.A, which states that “The Contractor is responsible for all quality control and shall provide whatever testing is required, if needed, to verify his or her quality prior to testing for verification by the Owner.” Please identify what tests are needed to be performed by the contractor, and at what frequencies.*

Response: This is a typical quality control requirement and is throughout the specifications related to products and installation. No separate list will be generated

by the Owner or Engineer and it is the contractor's responsibility to provide quality control as specified in the specifications.

14. *Reference Drawing 4.3 which shows fills at the end of the inert area (~4,300 C.Y.) and at the relocated road (~1,000 C.Y.). Also reference Detail 4 on Drawing 7.5, which shows fill at the southern road culverts. Are these fills to be measured and paid as Bid Item 11, Fill misc. flat spots? If not, please clarify which bid item(s) will measure and pay for these fills.*

Response: Yes, the fills indicates in this comment are summarized under Bid Item "Fill misc. flat spots".

15. *Reference Specification Section 02609, paragraph 2.01.G which calls for the joints of the N-12 pipe culverts to be made with split couplings. Will water-tight bell and spigot joints be allowed as an alternative joint method?*

Response: Water tight bell and spigot joints may be used, provided they are installed with the bell shape facing uphill.

16. *Will CAD drawings be available for the Landfill Closure bid? (3/18 8:42 a.m. from Ford)*

Response: No CAD drawings will be distributed as part of the bidding process. CAD drawings will be provided to the selected contractor prior to construction. For bidding purposes, the bid quantities shown on the bid schedule are to be used. The contractor is not expected to provide take-off quantities as part of the bidding process.

17. *Is there drivable access to all the areas of the borrow site and closure site for all tasks?*

Response: Facility access is provided, however the Contractor is responsible to create the access necessary for equipment to/from the borrow site and remaining portions during the closure construction. The existing entrance road (only entrance) that proceeds past the Transfer Station to the former transfer station (first meeting location for the Pre-Bid site walk) is planned to remain and not part of the construction. No separate drivable access is provided beyond which exists at the start of construction. The Contractor is responsible to plan for equipment access based on their needs (deliveries, vehicles, equipment).

18. *The specifications indicate temporary straw to be track walked. Can this be sprayed with tackifier instead?*

Response: Section 02271, Item 4.04 B refers to Temporary Straw Mulch (no seed) with the track-walked requirement. This is specific to temporary straw. Tackifier is required for all permanent erosion control. Permanent erosion control does not specify the straw to be track-walked.

19. *Drawing 3 – Is the intent for the new 4” horizontal collectors (HC) to connect to existing horizontals? The question pertains to the 1st, 2nd and 4th HC counting from south to north.*

Response: Yes, in locations where the new horizontal collector have common vent risers, these need to be connected.

20. *The following questions pertain to Detail C on Drawing 7:*

a. *What is the intent of the 4” flexible coupling shown on the subject detail C dwg 7?*

Response: This was for future potential gas-extraction system connection, but does not apply to this project. Delete this coupling.

b. *Would it be sufficient to have that connection simply be butt welded?*

Response: connection deleted in prior question.

c. *Are ductile iron backing rings allowed in lieu of steel? Spec calls out only backing rings, dwgs say steel.*

Response: Either steel or ductile iron back rings are allowed.

d. *Is there a material specification for the bolts?*

Response: No, stainless steel is not specified for this connection.

e. *There are no dimensions shown on the wellhead. Is that generally up to us based on industry experience?*

Response: Vent pipes (wellhead) risers shall extend approximately 4 feet above the finish closure cap grade.

21. *The Direct Shear Requirements have you testing a white 40mil single sided textured HDPE or LLDPE for the sideslope and a 40mil HDPE or LLDPE for the cap top deck. Then further down in B.10. it mentions that the geomembrane shall be 40mil double sided textured. Are we supposed to supply different materials for slope and top deck?*

Response: Section 02750 – Geomembrane, has been revised for the sideslope specification under 2.01.A.1 to correctly show “textured both sides”. All geomembrane on this project is textured both side.

22. *Can the county identify the list of items that are to be included in the bid item 59 “All Other”.*

Response. The bid documents are intended to fully reflect the items necessary, including all work and parts necessary, to complete the construction as shown. The “All Other” pay item, as described in specification 01025, is for items that may not be specifically listed in the bid items, however are necessary for the complete installation and intended operation of the landfill closure cap.

23. *Reference Detail 1, Drawing 7.5 which shows the downdrain culvert installed directly on the liner after it penetrates the downslope side of the drainage berm. This would put the downdrain pipes within the depth of the Vegetative Layer, rather than on top of the Vegetative Layer. Please clarify whether the downslope portions of the culverts are to be installed directly on the liner as the detail shows, or on top of the Vegetative Layer. If they are to be installed on top of the Vegetative Layer, please specify the spacing and type of anchorage required for the downdrains.*

Response: Yes, the culvert is designed to be on top of the geocomposite and geomembrane and within the vegetated soil layer. The soil assists in holding the pipe in place.

24. *Reference General Conditions, Section 9-08 which states that work will be limited to weekdays only. When the Glenn County staff was asked at the Mandatory Job Walk about the possibility of working on Saturdays, the reply was that it was unlikely that work would be permitted on Saturdays because the County inspector(s) are not authorized to work overtime. Given the size of the project and the County’s stated desire to complete as much of the project as possible in 2019, allowing work only on weekdays is a significant time constraint. If the contractor cannot complete the project in one season, and has to include the cost of winterizing the site and re-mobilizing in 2020 in his bid, these costs would far exceed the overtime premium associated with overtime pay for County inspection staff on Saturdays. We respectfully request that the County revise Section 9-08 to permit the contractor to work Monday through Saturday of every week.*

Response: No Saturday work is allowed. This may be revisited at a future date, however for planning, bidding, and contractual purposes, work days are limited to as shown in the Bid Documents.

25. *Reference General Conditions, Section 9-08 which limits the hours of work to between 7:00 a.m. and 6:00 p.m. We respectfully request that the County revise Section 9-08 to permit the contractor to begin work at 6:00 a.m.*

Response: The begin work time will be adjusted per this response to 6:00 a.m.

26. *Reference Detail B, Drawing 7.0 which shows installation of the Horizontal Gas Relief Pipe in a shallow trench excavated into the existing waste. Also reference Specification Section 02210, paragraph 4.01.F, which calls for the measurement and payment of shallow waste. Please confirm that the disposal of the shallow waste (excavated for the installation of Gas Relief Pipe) is measured and paid under Bid Item 61, Waste*

Excavation and Haul to active face, or whether the excavation and disposal of this waste is incidental to Bid Items 53-55, Gas Relief Trenches.

Response: Trenching of the waste as described above is within the payment item for Gas-Relief Trench, as indicated in specification 02210.

27. *Reference Bid Item 61, Waste Excavation and Haul to active face. Given the likelihood that there will be no active face in operation when the closure cap work would generate waste,*

- a. *Will the contractor be allowed to dump excavated waste at the new Transfer Station?*
- b. *If the contractor can dump at the Transfer Station, will there be tipping fees?*
- c. *If there are tipping fees at the Transfer Station, please provide the price.*

Response: Any dumping or transfer of waste or other discard material to the Transfer Station will be subject to tipping fees. Waste uncovered or necessary to remove (such as part of the gas-relief trenching) shall be placed within a portion of the landfill as directed by the Project Engineer during construction.

28. *At the time of the Mandatory Job Walk, there was significant amounts of refuse, straw bales, several thousand feet of temporary safety fencing, signs, and delineators present within the limits of work for the closure cap. Please clarify what, if any, of these materials the contractor will be expected to remove, and whether the materials will be disposed or stockpiled for the County.*

Response: The contractor is not expected to remove straw bales, safety fencing, signs or delineators within the waste limits. Windblown refuse will be collected by County staff/crews prior to the contractor receiving the site.

29. *Reference Specification Section 02110, Paragraph 3.04.A which states that the upper 3” of topsoil and grass shall be stockpiled and used as top dressing on side slopes of the Vegetative Layer. We interpret side slopes to mean only those areas where Geocomposite is to be installed. Is our interpretation correct in that stockpiled strippings are only to be placed as top dressing on slopes where Geocomposite gets installed? If incorrect, please clarify which areas receive placement of strippings as top dressing.*

Response: Refer to specification 02245 - Vegetative Layer, item 2.01.C, which allows for stockpile soil (strippings) to be used as top dressing in the upper 6 inches of the vegetative layer. This is not limited to solely the side slopes.

30. *Our interpretation of Bid Item 10, Clear and grub borrow area, is that the work entails stripping 3 inches of grass from the borrow area prior to excavating borrow.*

- a. *Is this interpretation correct? If not, please clarify the scope of work for clearing at the borrow area.*

Response: Yes, bid item 10 includes the top 3” inches as indicated in 02110, and 02210 item 3.01.B.

- b. *Are strippings from the Borrow Area to be placed as dressing on the closure cap Vegetative layer? If not, please clarify what is required for final placement of material stripped from the borrow area.*

Response. Refer to response to question 29 above.

31. *For the purpose of determining how long it will take us to build the project, we are trying to assess how likely it will be to place the Fill for surface smoothing (allowance), Bid Item 12, which has a quantity of 31,000 CY. This volume equates to roughly 3 inches of fill over the entire closure cap area. This is the same depth as specified in Section 02110 to be stripped from the closure cap. In response to a previous question regarding the depth of the existing Foundation Layer, the County has indicated that they have measured the existing Foundation Layer depth at 12”. Will the stripping of 3” on the cap reduce the existing Foundation Layer thickness to less than 12”?*

Response: These are two different items. Bid Item 12 is for surface smoothing, as necessary, and is not intended to reflect 3” on the entire site, rather smoothing areas, as needed and specified in the specifications. The 3” stripping (or less based on review with the Project Engineer) will reduce existing cover to less than 12”, however, does not impact the recompaction (8”) and fill (16”) shown on the Drawings for a total foundation layer of 24” in depth.

32. *Reference Detail E, Drawing 7.2 regarding the additional Foundation Layer for the drainage berm. Also reference Specification Section 02210, Paragraph 4.01.D which describes measurement and payment for the Foundation Layer and appears to exclude the volume of fill needed for the berm (above the 16 inches of typical Foundation Layer). Paragraph I of Specification Section 02210 addresses measurement and payment for the drainage berms, but doesn’t indicate if the payment includes obtaining soil from the borrow area to construct the berm.*

- a. *Is the excavation, hauling and placement of the soil for the construction of the berms to be included in the payment for Bid Item 15, Construct drainage berms?*

Response: Yes.

- b. *If the excavation, hauling and placement of the soil for the construction of the berms is not included in the payment for Bid Item 15, please clarify whether the volume of soil in the berms is paid without measurement (incidental to Bid Item 14, Foundation Layer), or amend Paragraph 4.01.D to include a calculation of this berm volume for payment in Bid Item 14.*

Response: Question not applicable. Responded yes to previous question.

33. *Reference Specification Section 02245, Paragraph 3.01.F which limits earth movers or other heavy equipment to locations where two feet of cover (Vegetative Layer) has been placed. Will low ground pressure dozers be allowed for spreading and grading Vegetative soil to the 18" thick completed depth?*

Response: Yes, low ground pressure equipment is anticipated for the final spreading and grading.

34. *Reference Specification Section 02245, Paragraph 3.01.F which limits earth movers or other heavy equipment to locations where two feet of cover (Vegetative Layer) has been placed. Seed and straw placement equipment has limited reach for spreading materials. Given the size of the closure cap, and that there are no permanent roads or benches on the cap, the placement of seed and straw would have to be applied manually over the vast majority of the closure cap if the equipment is not allowed to travel on the 18" thick Foundation Layer. This would greatly increase the cost, and amount of time needed, to place the seed and straw. Can the referenced specification please be modified to allow seeding and straw placement equipment to travel and operate on the completed 18" thick vegetative layer?*

Response: The Contractor is responsible for any equipment used over the geomembrane and vegetative layers. It is not recommended to use any equipment other than low ground pressure equipment when the cover is less than 24". The Contractor may construct 24" deep access-routes in anticipation of erosion control application and minimize areas necessary for hand (or other) application methods.

35. *Reference Bid Item 7, Remove and Reinstall existing barbed wire fence. The bid item description, combined with the language in Paragraph 4.01 of Specification Section 02444, leads us to believe that the existing fence gets removed, then reinstalled using the existing fence materials. The existing fence consists of wire mesh topped with several rows of barbed wire, thus is not just a barbed wire fence. Our interpretation is that the existing fence is to be removed, and a new barbed wire fence (with no mesh) is to be installed. Is this interpretation correct? If not please clarify.*

Response: That is correct.

36. *We request that the County specify that the contractor provide a third-party testing lab to conduct all soils testing specified in the CQA Plan (which we understand will be issued in the forthcoming addendum). This would answer our questions about what tests are required, at what frequencies, and would provide a clear scope of work for all contractors to bid. This would reduce the amount (and cost) of testing to be conducted by the County, and would eliminate the need for County staff to be present to conduct tests on Saturdays. This would enhance the contractor's ability to complete the project in one construction season.*

Response: Refer to the CQA plan that will uploaded to the RFP site concurrent with this response.

37. *If the contractor is unable to complete the project in one season, would the County pay the retention in 2019 to the contractor for the value of the work completed and accepted in the first season?*

Response: This project will be required to be completed in a single season and prior to October 15, 2019.

38. *Once the HDPE liner and Geotextile cushion layer are in, will we (the Contractor) still have drivable access on the closure area?*

Response: Drivable access is at the discretion and responsibility of the Contractor. See response to question 34 above regarding low ground pressure equipment and access.

39. *Is there another water source, the water by the entrance at 80 gpm will take almost an hour to fill up a water truck?*

Response: As indicated in the specifications and in the pre-bid site meeting, water is limited to the single location, unless otherwise procured offsite by the Contractor.

END OF RESPONSES.