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Addendum 1

Cell 7 Phase 3 Construction

Riverview Land Preserve, Riverview, Michigan

Issued Date: June 15, 2018

All bidders shall acknowledge receipt of this Addendum on their bid. Addendum 1 includes:

- Clarification of pre-bid meeting date and time: the pre-bid meeting is scheduled for Thursday, June 21, 2018 at 10:00 a.m.

End of Addendum 1.

Question and Answer:

1. Several Details call out MDOT 6A Natural ($\lt; 3/4\text{''}$) –however this on pipe with $1/2\text{''}$ perforations. Previous projects have used $1/2\text{''}$ to $1\ 1/2\text{''}$ natural stone. Can we use that material again? **Answer:** *The spec should refer to MDOT 4AA not 6A. Generally, the gradation should meet 0.5" plus and have a maximum particle size of 1.5".*
2. For the Soil Drainage Layer Material – The Specs seem to contradict the CQA Plan. Spec Section 31 82 00 – 2.1 D states if placed over composite, 98% passing $3/4$ sieve and less than 5% on the P-200, permeability of 1×10^{-3} and carbonate content less than 15%. The CQA Plan states a $1\ 1/2\text{''}$ max particle size, if used in conjunction with a protective geotextile or 98% passing the $3/8\text{''}$ sieve if placed in direct contact with the geomembrane, 5% on the P-200 and less than 15% carbonate content test modified to pH of 4. Which spec do we use – the CQA or Spec Section 31 82 00 ? **Answer:** *The CQA Plan takes precedence in the event there is a conflict. In this case you would follow the CQA Plan requirements.*
3. Do you have specs on the High Permeability Silica Sand? **Answer:** *The silica sand was added as a favor to the golf course for their bunkers. It may be that material spec will change as they consult their designer. If the material type needs to be changed it would be a work change directive after award of the contract. The site is requiring the Birds-Eye coarse sand because it held up very well over the winter.*
4. In Section 339113, Paragraph 2.1B, it states that the HDPE pipe is to be DIPS, which is very unusual for Landfill project. Is IPS pipe acceptable in lieu of DIPS pipe? **Answer:** *Yes, IPS is the correct specification.*
5. Can we extend the Bid Due Date to July 5th ? Our electrical subcontractor needs time to figure out what he needs, get pricing and a proposal to us. A week just wasn't enough time. **Answer:** *Yes, we will extend to July 5, 2018.*
6. Are the borrow limits as defined by the red line on Sheet 1? I thought that we could go a little further to the west, but that doesn't seem to be the case with the red dotted line. Could you please update, if necessary? We would like to see how many areas we need to pull from and verify there is enough soil out there. **Answer:** *The red dotted line is not a boundary in that sense – it's just marking a general area. I can have CAD redraw the line where we'd like to limit the potential excavation.*
7. Road Closures – Could you give us the anticipated dates for the East and West road closures? We really need to see the impact on our hauling operations. As was mentioned in the pre-bid, traffic control and establishing a bypass lane for our trucks is going to play a key part in our hauling production equation. **Answer:** *The west haul road will be awarded on July 16 and should take less than a month to get mobilized and built. The east road can remain*

open as long as work can be done work around it, but must remain until all the landfill customers can go up the west road and not have construction delays from paving.

8. Cell access road for drainage layer installation – do we need to remove the access road after we are done placing the drainage layer? **Answer:** *No, the access ramp will be useful for the site so they will want you to leave it in place.*
9. Drainage Layer Stockpile Location(s) – at the prebid meeting it was mentioned that drainage material could be stockpiled on the southeast end of the landfill. Currently, there is a large pile of stone in this area. Will this stone be gone by the end of July when we plan to start hauling in drainage material? Also, we do not believe we can fit all of the drainage material into this area. Is there any area up top where we can stockpile drainage material? **Answer:** *The site is using that stone for roads into the disposal areas. We can't guarantee that it will be gone. You might be able to use the south end of the top area, above cell 4-5-6.*
10. For Bid Item No. 205 – Horizontal Gas Collection Trench (Under Liner), on the plans it calls for 6" perforated HDPE SDR-11 pipe and 6" solid HDPE SDR-11 pipe but in the bid documents it calls of 6" HDPE SDR-17 perforated and solid. Can you clarify which one is correct? **Answer:** *The underliner gas collection trenches should be constructed with SDR-11 pipe, to allow for the loading from future waste placement.*