ADDENDUM #3
Hardeeville Response to Questions #2 dated 12/12/17, issued by Waste Management.

This email provides responses to questions received last week.

1. Who provides the generator and transfer switch?
   Contractor shall supply generator and transfer switch.
2. The generator doesn't show a size on the electrical drawings or specs? Do we size it for the connected load show on the H1 panel schedule or size it for 400 amps?
   Generator size should be 250kw 480v 3 phase.
3. The generator specs shows natural gas, lp and diesel. The plumbing drawing P2 shows a 1 ½" natural gas line connecting the generator so do assume natural gas?
   The generator shall be natural gas fueled.
4. Site lighting is by the power company per addendum #2 note 4, so we are assuming the power company will furnish, install and wire-connect all 10 poles. Please Confirm that the general contractor will only be required to provide conduit and wiring for power out to the light pole locations?
   Please assume that power company will furnish, install, provide conduit and wire all pole locations.
5. The parking lot shown on C3.2 is calling for 25 LF Subgrade Drains in 4 Directions at the Storm inlets. What size should we price for these subgrade drain pipes?
   Size should be 4".
6. On C3.6 the Conduit Duct bank shows 2 each 3" Telecom Wires and 1 each PVC Conduit for Site Power and 2 each 2" PVC conduits for Site Lighting Power. The E2 plan only shows the Site Lighting Power 2 each 2" PVC Conduits. Are we responsible for the 2 each 3" Telecom and the 1 each 6" Conduit for Power Supply?
   Please note that power and telecom conduits are shown for information only. The utility companies will be responsible installation of power/telecom to the building. SCE&G will also be responsible for conduits and wiring to light poles along the entrance and employee parking area.
7. On C2.2 there is the UGP Line marked at the CNG and Building. Are we responsible for the UGP at the CNG or are we only taking the line from the Transformer located next to the building and into the building?
   CNG will be conducted under a separate contract. Contractor will be responsible for UGP from transformer to the building.
8. Is 600A Meter/Disconnect on the riser diagram (E3) located next to the ATS outside the building? Please confirm the location. We are assuming that there is (1) 600 amp 3-phase 4-wire 277/480 volt meter base and 600 amp 3-phase 4-wire 277/480 volt disconnect switch.
   This interpretation is correct.
9. On drawing E2 it shows (2)-2" PVC Conduits to stub-outs at CNG Farm, where should we carry these conduits from and to?
   Please ignore these stub-outs and remove from your estimate.
10. On drawing E2 it shows (2)-2" PVC Conduits to Diesel Fueling Area, do we install conduits only from the fuel area disconnect switch to the Diesel Fueling Area? The fuel area disconnect is not sized and doesn't show a circuit numbers or anything on the panel schedules. What size disconnect switch and circuit do we need to install? Do we install the wiring between the disconnect and panel only or from the panel to the disconnect to the fueling area?

We currently do not have power information for the fuel tanks and dispensing equipment. There may also be a fiber optic connection. Please assume installation of conduit only and wiring/fiber will be installed separately.

11. On drawing E2, Telephone conduits (2-2"PVC) shows coming from the right side of the building (view from E2), but the Civil C4.2, Telephone conduits (UTL) are coming from the south side of the office area. Which one is right? Also, in the detail sheet C3.6 shows the telephone conduits, 2-3" PVC conduits for the telephone utility (service), which one should we use?

    Please use the Civil drawings for location of telephone conduits.

12. There is no information regarding Gas Detection system, but only shows 5 locations on E2 drawing. These are normally furnished and installed by hvac contractor not the electrical contractor? Does the electrical contractor need to include anything from these? If so we will need more information.

    The Gas Detection System will be designed and installed by the Contractor responsible for constructing the CNG fueling system. Please disregard the detection devices.

13. On drawing E2 it shows sprinkler Alarm location, but there is no indication what to carry or size or homerun, please clarify what we need to include?

    Abuck has reviewed this item and specifies a 20 amp circuit, 120 volt, and fed from Panel H1.

14. On drawing E3, panel schedule shows the Crane in panel 'H1', but there is no location or disconnect switch shown on the electrical drawings (only has indication for crane travel area)?

    Sheet E2 shows a circuit H-1 8,10,12 at the 7C column line, which is the 60 amp 480 V. circuit for the crane. The other disconnect shown near that same location is for the truck lifts (H-1 14,16, 18). in addition, there are receptacles on the columns on circuit L2-3.

15. On drawing E1 none of the circuit numbers are shown and a lot of the home runs are not shown. Are they revising the drawing or do we need to make our best guess?

    All lighting will be 277 volt and fed from Panel H1. No drawing revisions are planned at this time.

16. On drawing E1 note 9 calls for the exterior lighting conductors shall be a minimum #8 AWG. Does exterior lighting mean wall mounted light fixtures or canopy light fixtures or site lighting or all three*?*

    Exterior lighting means wall mounted and canopy light fixtures. Site lighting will be installed by CE&G.

17. On the branch wiring in the office area can we use mc cable everywhere with exception emt conduit home runs? *Yes.*

18. On the branch wiring for the warehouse area high bay light fixtures can we use mc cable with emt conduit home runs? *Yes*

19. The electrical specs calls for copper wire to be XHHW can we use THHN-THWN for all sizes?

    Yes, as long as it meets NEC specifications for the particular area.

20. On drawing E3 it shows all the feeders being copper, drawing E1 note 8 all conductors shall be copper unless specifically indicated otherwise and the electrical specs 2.04 conductors A. 1. Feeder conductors larger than number 2 shall be copper or aluminum. I just want to make sure it is ok to use aluminum wire for feeders*?*

    Please use copper only. The Owner does not want to use aluminum.

21. Do we need to install any primary conduits for the power company? If so we need know what we need to include?

    Please see No. 6 above.

22. Precast Concrete Wheel Stops – It appears that they are indicated at the Employee Parking Area only. Could you please confirm that they are not required at the truck parking / CNG Fueling stations?

    Precast concrete wheel stops are required in the Employee Parking Area only.

23. The Wheel Stop Detail on drawing C3.5 indicates a concrete pour strip at the edge of the paving. Is there a requirement for a concrete edge at the edge of the asphalt paving as there are no specific details for this condition provided? As the only area where there are precast wheel stops indicated on the drawings is the Employee Parking Lot, is this pour strip required only at the Employee Parking Lot? If it is required, it appears to be 8" wide by 12" high. Is this correct? Is the concrete edge required at the edge of the heavy duty paving?

    There is no requirement for a concrete edge adjacent to asphalt paving.

24. It appears that the only curb and gutter on the project is the landscape islands in the employee parking lot. Please confirm that this is correct?

    This is correct.

25. Drawing C3.2 indicates a "25 lf subgrade drain in 4 direction". There are details on C3.4 "Standard Inlet – Grate Type" and, C3.5 "Sub Drain Detail" that make reference to it but there is no information indicating the diameter of the pipe. Could you please provide the required diameter?

    Sub Grade Drain is 4"diameter

26. Specification 131210 Pre-Engineered Buildings. Paragraph 2.1.D. Alternate Manufacturers. We are submitting information for three additional building manufacturers for pre-approval as required by the Building Specifications.
    a. Arco Building Systems http://www.arcosteel.com/ Not Approved
    b. CECO Metal Building Systems http://www.cecobuildings.com/ Approved
    c. Nucor Building Systems. http://www.nucorbuildingsystems.com/ Approved