ADDENDUM NO. ONE (1)
CITY OF BALDWIN, GEORGIA
WPCP NEW SOLIDS HANDLING BUILDING
ISSUED JUNE 24, 2024

RE: WPCP NEW SOLIDS HANDLING BUILDING
EMI PROJECT No. 21-056

FROM: ENGINEERING MANAGEMENT, INC.
303 SWANSON DRIVE
LAWRENCEVILLE, GA 30043
Greg Bennett, P.E.
770-962-1387

TO: PROSPECTIVE BIDDERS

This Addendum forms a part of the Contract Documents and Drawings and modifies the original bidding documents dated May 2024.

The following items of the Contract Documents are modified as part of this Addendum:

Clarifications/Questions:

1. Drawing G2, General Note 4. Please confirm the contractor is responsible for all existing utility adjustments or relocations shown and called for on the drawings, and not to be used for all existing utilities not shown as the contractor cannot be aware of these to include scope and cost for in their bid.
   EMI Response: The contractor is responsible for all existing utility adjustments or relocations shown and called for on the drawings. Construction costs to avoid unknown conflicts not shown on plans that occur during construction will be negotiated as a Change Order.
2. Drawing G2, General Note 21. Is there any anticipated contractor staging areas, or trailer areas available onsite inside of the entrance gate? **EMI Response: Yes. There are material staging areas and trailer areas onsite inside the gate.**
3. Access to Power, Sewer & Water? **EMI Response: There should be access to power, sewer and water available on site. Contractor will be responsible for any improvements necessary to connect to said services.**
4. Drawing G2, General Note 22. Please clarify if the contractor is paying for the services as well (typically this is paid out of an allowance by Owner/Engineer per IBC). If paid for by the contractor please confirm only the compaction and backfill material testing is paid by the contractor (not concrete, etc.) **EMI Response: Contractor is responsible for costs and services associated with all construction and materials testing and inspection of all soils, compaction, concrete testing, rebar inspections, etc. Costs for these services shall be included in the lump sum bid price of Item 1 on the bid form.**
5. Drawing C1, shows what we believe is the new sludge feed to the new building. Please confirm that this is a proposed line and not already installed. **EMI Response: The proposed sludge feed line was inadvertently shown on sheet C1 Existing Conditions plan. This line has been removed from sheet C1 and the revised sheet is included as an attachment.**
6. Drawing C2, calls out "Remove Existing Concrete Pad - To Northside of Metal Carport". The callout points to a dashed line that continues around the plant. The Carport also extends North of this slab, maybe it is meant to say West of Metal Carport? Please clarify the limits on the drawing of

the removal and provide thickness of concrete. Review of the site conditions show that this slab is connected to the concrete wall that makes the east wall of the metal building that is to remain. This slab also has several floor drains and a DIP blind flange that has a flushing valve attached. Please detail what are to be done with these utilities and to what extents. **EMI Response: The call out should have read "Remove Existing Concrete Pad to Northside of Metal Carport". The thickness of the concrete is unknown. Assume 8" thick. All existing floor drains and piping that will be under the proposed building shall be removed and disposed of.**

7. Drawing C2, calls out to relocate existing Metal Carport and Shed, and to coordinate location with City. Please confirm these are relocated somewhere in the same vicinity on Drawing C2 and can be relocated without disassembly or if they will need to be disassembled and taken offsite. **EMI Response: The relocation of said structures will be to a location somewhere on the WPCP site. The structures may need to be disassembled in order to move. You will not be required to take them offsite.**
8. Drawing C2 shows that the existing water line is to be relocated from the proposed building pad, however on drawing Y1 it is shown like we are installing a valved bypass around the area that needs to be demolished. Why not install the new line minus the tie in points, test and disinfect, and then under a shutdown connect the new line with elbows rather than tee's. The existing line seems to show a line Y'd off heading toward the metal building between the two Tee's that we would think need to be remain in service. The 8" existing line heading northwest fades away and then there is another water line to the west along the tanks, do these two lines connect? If so, perhaps the new reroute should simply connect in a straight line with the line running along the tanks. **EMI Response: The proposed 8" waterline relocation and proposed 2" waterline has been revised on sheet Y1.**
9. Drawing C3 calls for 24" CMP Storm Pipe, but Drawing Y2 Storm C Profile calls for RCP. Drawing C2 calls one end to be 15" HDPE and the other to be 18" RCP. Which material is correct? **EMI Response: Sheet C3 and Y1 callouts have been revised to be 24" RCP instead of CMP. The existing pipe sizes on sheet C2 are correct, however this existing line is being removed. A revised sheet C3 and Y1 are attached.**
10. Y1 calls out the 8" Drain Line A as 8" PVC SDR however the profile on Y2 calls it out as DIP. Please correct this error. We prefer PVC. **EMI Response: The pipe material callout on the profile on sheet Y2 has been revised to SDR 26 PVC. A revised sheet Y2 is attached.**
11. Y1 shows the installation of the new sludge piping, mentioned in question #4, as connecting to an existing 6" line between the Metal Building and the back-up generator, heading north into the ditch, east to the edge of the building, south towards the building, and then east again before turning south to the building feed location. We have our concerns with this routing and the existing utilities shown on the profile on Y2 and the electrical conduits that seems to be heading directly for the elbow at Station 0+77 that is not shown on the profile. Since it is our assumption that the belt press in the metal building will eventually be decommissioned and demolished, would routing the new sludge line from a point south of screen tower stair foundation with dual valve connections, then heading east and then north to the building feed location. If routing left as is, please address the potential buried electrical conflicts that are not addressed. **EMI Response: The design will remain as is for the bid phase. The design will be reviewed with the Contractor during construction and if adjustments are required they will be made at that time.**
12. A1 shows Item 16 as 8" wide 31' long dumpster skid plates; how thick are the plates? Uncoated Steel, Galvanized, or Stainless? Bolted down on top of the concrete (bolt heads sticking up or recessed/tapped) or embedded flush with nelson studs on the bottom? These are spaced such that the dumpster rails will sit on top of these plates. Our experience is that these floor plates are better located at the position of the dumpster wheels rather than the rails. Please confirm.**EMI Response: The steel plates shall be 0.25 inch thick uncoated steel with Nelson type studs that will be painted. Plates shall be embedded in concrete. Additional notes have been added to sheet A1. Position of the plates will be verified in the field.**

13. A4 Remarks from the Window Schedule indicates that a plywood sill and a 4" Randall Brothers trim around the cased opening. If this wood is required please show it in the details on A3. There is also a note about blinds being provided for the window, please provide information on the type of blinds required, is this to be on the doors as well? doors as well? **EMI Response: The requirement for blinds on exterior windows, plywood sills, and trim (Window Schedule on sheet A4) is to be deleted. Blinds will not be required for exterior windows or exteriordoor windows. A revised sheet A4 is attached.**
14. M1 shows the location of the air compressor along the west wall of the building, E2 shows the location of the Q-press pneumatic panel located on the northeast corner of the press. Review of the Huber information there would need to be a 3/8" supply line between these two devices and then a supply and return line from the panel to an unknown device presumably on the press somewhere. Should there be an embedded carrier pipe in the floor routed from the compressor to the press for this tubing? Another carrier for the future press? **EMI Response: The air compressor that is shown on sheet M1 is for reference only. During installation of the screw press, coordinate with the equipment manufacturer for recommendations on the best practical location, orientation, and arrangement of the air compressor, tubing, and pneumatic control panel for operation of the screw press. Carrier piping will not be embedded in the concrete. A note has been added to sheet M1 to indicate this information. A revised sheet M1 is attached.**
15. M2 & M3 both provide the weights of the conveyors in their empty condition. What is the anticipated weight of each conveyor with a maximum loading of dewatered sludge? This is needed to design the Pre-Engineered Metal Building. Building. **EMI Response: The maximum weight of the incline and distribution conveyors shall be provided by the screw press manufacturer prior to construction. The contractor, screw press manufacturer, EMI and the approved pre-engineered metal building manufacturer shall coordinate to design the support structure required for the conveyors for the final release for construction pre-engineered building drawings.**
16. M3 shows water service entrance rising into the building as 2" Type L copper, the piping on Y1 is to be 2" PVC SDR 13.5, and the interior water loop to be 2" PVC Sch 80. Please confirm PVC Sch.80 is acceptable for all locations/conditions. locations/conditions. **EMI Response: The reference to 2" Type L copper piping on the backflow preventer detail (sheet M3) has been revised to 2" PVC SDR 13.5. Sheet note 12 has been added to sheet M3 indicating the transition to schedule 80 PCV for above ground interior domestic water lines. A revised sheet M2 is attached.**
17. M3 shows the interior water loop both in plan view and in a single line diagram, unfortunately the pipe sizing to the right side does not match from the two diagrams. Please correct the one that is in error. **EMI Response: The Building Water Line & Chemical Feed Lines Plan and the Water Line Schematic on sheet M3 has been revised to correct the discrepancies between water line sizes. A revised sheet M3 is attached.**
18. M3 shows that the HW supply and Cold water supply are to be connected the eyewash station however the specified model only has a single connection point and does not have an integral tempering valve. Please review and add a tempering valve if needed. **EMI Response: On sheet M3, in the Water Line Schematic the following note has been added "Mixing valve with integral temperature guage (by Contractor) to be mounted on the wall". A revised sheet M3 is attached.**
19. M4 shows the drain lines for the building that has 7 floor drains and one process drain that has a common stack vent with cleanout. Detail 2 states that floor drains that discharge at sumps do not have P trap nor vents. We do not believe that this applies to any of the 7 drains shown, Please confirm. Should the process drain off the press be trapped below the slab? If additional vents should be added, what size vent line and how many? **EMI Response: None of the floor drains should be trapped. The process drain from the screw press should not be trapped. There is only one vent on the drain lines and it shall be 4" diameter.**
20. M4 Detail 1 shows a 10 5/8" wide polymer trench drain system, but the plan view and structural drawings call the trench to be 14" wide made of embedded angles and grating with a floor drain

located in the bottom of the trench. Please confirm which is correct.**EMI Response: The trench drain shall be 10 5/8" wide. The dimensions on sheet M4 have been revised.**

21. M4 calls out a few of the drain lines to be Ductile Iron, Detail 4 calls out PVC fittings, the specification calls for a mix of PVC and Cast Iron depending upon the sizes of the lines. Please confirm drawings correctly call out material as Ductile Iron Pipe below slab. **EMI Response:Detail 4 has been revised to call out ductile iron fittings and piping. A revised sheet M4 is attached.**
22. M4 Detail 2 call for 2 piece cast iron floor drains which are adjustable with strainer baskets, and nickel plated grates. Specification 15445 2.4 has two different types of floor drains specified, FD-1 & FD-3. Detail 3 calls for a Neenah Grate R-4030 that basically sits in a DIP bell end. Do the specification types meet the requirement of Detail 2? Where are each of these floor drains to be utilized? **EMI Response: On sheet M4 the Detail 3 is being deleted. Detail 2 text has been revised to indicate floor drains shall be per Specification Section 15445.**
23. M4 in the dumpster bay there is an 8" cleanout that refers to detail SS13 on D2. This detail calls out the use of a standard water valve box cover which works well with a six inch pipe as shown on the detail. This will not be a sealed cleanout, perhaps Detail 4 on M4 should also be used at this location? **EMI Response: The call out for detail SS13 has been revised to detail 4 on sheet M4. Revised sheet M4 is attached.**
24. S0 Foundation Note 2 states that a Geotech report was not preformed prior to the issuance of the drawings, has one now been completed? If not available, please provide the following information to base our bid on.
    a. Is ground water expected? **EMI Response: No groundwater is expected.**
    b. Is rock expected at a certain depth or elevation? **EMI Response: No rock is expected.**
    c. Are the existing soils suitable for backfill? **EMI Response: Yes**
    d. Is there any existing topsoil in the disturbed areas? If so is it suitable for reuse? **EMI Response: Yes**
25. S0 Foundation Note 3, states that if suitable bearing capacity is not found at the provided elevations, that footings shall be lowered. Does this mean that the entire building elevation will be lowered? Does the surrounding sitework also need to be lowered? How will this additional work be paid for? **EMI Response: The building elevation would not be lowered. The depth of the footing would be lowered. If this occurs a change order will be negotiated.**
26. S0 Foundation Note 6 states to perform removal of unsuitable as per the Geotechnical Report noted in Note 2, which stated one does not exist. **EMI Response: So noted.**
27. S0 Foundations Note 7 calls for concrete to be cast on the same day that the excavation is approved, this is highly unlikely due to the need to install the slab reinforcement, trench drains, adjustment of plumbing drains, etc. Some of the details on S3 show an aggregate sub-base, but others do not, Note 1on S1 calls out 4" GAB under the slabs. This aggregate base can be installed the same day as the subgrade inspection, but the concrete placement is not possible. Please consider removing the note/requirement. **EMI Response: Concrete will be required to be poured on the same day the excavation is approved.**
28. S0 Foundation Note #10 calls for all excavations to be 2H:1V however several details on S2 call for the slope to be 1H:2V. Please confirm which is correct. **EMI Response: 1H:2V is correct slope.**
29. S1 shows the slab elevations for the building and the dumpster bay as being the same elevation 1306.75 and the dumpster bay as having a monolithic curb surrounding the dumpster bay. Can these slabs be poured separately? Please provide section cut through this area. **EMI Response: This will be coordinated with the Structural Engineer during construction.**
30. Section 2 on S2 shows metal wall panels surrounding the dumpster bay however the elevations on A2 show that the dumpster bay has no wall panels. Please confirm if the dumpster bay is enclosed. **EMI Response: The dumpster bay is not enclosed.**
31. Section 5 on S2 shows the apron slabs to the building being separated from the building slab with an edge angle at the building slab. Is this same detail utilized at the dumpster bay? Should the apron be at the level of the curb or the base slab? Is there to be an edge angle on both sides of the curb?

Perhaps the curb along this side should be a mountable curb rather than vertical so that trucks or dumpsters can drive into the dumpster bay.**EMI Response: This will be coordinated with the Structural Engineer during construction.**

32. E1 shows the existing power service pole (North/East of Solids Handling Building) has two buried conduits on the North West side of the pole. The contract drawings appear to show power continuing to the North but then no longer show it after a few feet. It is unclear where the underground power continues from there, and considering the amount of buried piping to be installed in that area (which is already congested with existing pipe) there maybe utility conflicts, relocations, or challenging utility supporting conditions. Please provide routing of existing underground electric and revise pipe routes as necessary to accommodate. If underground electric routing is unknown please confirm conflicts, relocations, or supporting of the electrical conduit/duct bank will be considered additional cost to the contract. **EMI Response: Underground electrical locations are unknown. Contractor shall determine locations during construction. Cost to resolve conflicts will be negotiated via a change order.**
33. E2 Note 12 states that all conduits shall enter panels from below, does this imply that all conduits shall be routed through the floor slab? Should there be conduits stubbed up for the future equipment? **EMI Response: Electrical conduits shall be routed through floor slab. Conduits shall be stubbed up for the future equipment.**
34. Regarding the Owner purchased / provided equipment, what is the value for insurance purposes? When will they deliver to the site? **EMI Response: The Owner provided equipment is $396,000. Equipment delivery will be approximately 6 months after construction notice to proceed.**
35. Drawing D1, Detail GP-1, Thrust Blocking (4/4) note 2 states the water line must be lowered in order to have 5' of cover. Please confirm this note does not apply to this project's 8" & 2" Water Line. **EMI Response: This note has been deleted.**
36. Huber Drawing No. 52122139 lists Welding Specifications, however no specific welding is called out on the drawings. Is field welding required, if so please provide additional info? **EMI Response: No field welding is required for the screw press.**
37. Please provide a cast in place concrete spec. **EMI Response: All specifications for cast in place concrete are provided on plans.**

Or Equal Submittals

- *Section 13120 Prefacricated Metal Building*
  - Red Dot Buildings is an approved manufacturer for the pre-engineered metal building and takes no exceptions to the specifications.

END OF ADDENDUM NO. 1

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