



120 MALABAR ROAD SE, PALM BAY, FL 32907-3009

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September 1, 2020

### **ADDENDUM #9**

TO THE CONTRACT DOCUMENTS FOR THE CITY OF PALM BAY

**Project Name & Number:**

IFB # 39-0-2020/JG, South Regional Water Reclamation Facility Construction

FROM: City of Palm Bay  
120 Malabar Road SE  
Palm Bay, FL 32907

TO: All Parties Holding Specifications

The purpose of this addendum is to provide the following changes, modifications and/or additions to the contract documents and technical specifications.

**Q1. Addendum 7, Q47 along with A47 addresses a few points, but is missing a critical design point to properly price up the ASME pressure vessel. The original spec 11100 which has now been removed from the bid documents stated 250psi, which seems pretty high for a hydropneumatic tank to maintain water pressure in the plant for re-use water. Can you please identify what the design pressure of the ASME pressure vessel shall be?**

A1. Revise Note 3.d on P-19 (provided in A47 in Addendum 7) to add 'DESIGN PRESSURE: 80 PSIG'.

**Q2. Section 01025 Measurement and Payment 1.05 L states provide any required bypass pumping. Where within the project do you anticipate the need for Bypass Pumping?**

A2. Section 01025-1.05 describes incidental work that may be referenced throughout the Contract Documents to complete the Work. Means and methods of construction for a Contractor may dictate need for some level of bypass pumping (i.e. making connections to existing pipes, testing of processes, etc.).

**Q3. Reference drawing C-34 Fig 8 Reverse Thrust Block. Please confirm that all buried valves require this detail.**

A3. All new yard piping on the project is restrained joint, therefore thrust blocks are not required except for valves added to existing lines without restrained joints. The only such valves are those on the force main on Sheet C-26. This existing line can be restrained either with a 4'-0" x 6'0" reverse thrust block with 6 rods per Figure 8 on C-34 or restrain the pipe joints 180 feet in either direction from the valve locations. Note that this response replaces A93 of Addendum 6.

**Q4. Reference drawing C-34 Fig 2 Concrete Encasement and Arch Cradle Detail. This Fig seems to conflict with other drawing encasement details and addendum clarifications. Where do these details apply?**

A4. The detail on C-34 is for yard piping, the detail in Addendum 6 is for encasement under a slab.

**Q5. There are specifications for Fire extinguishers and Metal Lockers, Cabinets and accessories but nothing we can find in the drawings. Can you please advise where I can find this?**

A5. Refer to Section 10100 (Modular Trailer) of the Technical Specifications.

**Q6. Please reference plan sheet C-26. Please clarify and/or provide the work requirements for the (2) 20" DIP Tie-Ins at Osmosis Drive.**

**1. Note #3 states that the contractor to coordinate connection with city. Will the existing 20" PVC line be isolated and drained for a short period of time in order to remove and reinstall the section of 20" pipe?**

**2. Note #7 notes a "Tapping Sleeve". Where is a tapping sleeve located and how is it being utilized the provided detail only indicates and cutting out and replacing a section of 20" PVC pipe with new 20" DI pipe.**

A6. 1. Refer to Addendum 6, Question 95.  
2. In note #7, replace "tapping sleeve" with "point of connection."

**Q7. I am reaching out in regards to the South Regional Water Reclamation in Palm Bay, FL. For your convenience and in an effort to have Durajoint® Waterstops added to this project via an addendum, I have attached master specifications via Word format for your review. Bidders throughout the country prefer using Durajoint Waterstops and as independent test data shows, Durajoint PVC Waterstops exceed USACE CRD-C 572-74 requirements across the board and are the industry leader in key areas such as Tensile Strength, Ultimate Elongation, Stiffness in Flexure, and Tear Resistance. Please advise if they will be acceptable as an "or equal" alternative for this project.**

A7. Refer to Article 30 (Substitute Material and Equipment) of the Invitation for Bid document (starts on page 21).

**Q8. Addendum 4, Q11 is calling for 12" & 16" plug valves to be 316SST. The listed manufactures do not make this valve in conformance with American Iron and Steel (AIS) which is a funding requirement found on the project. Would the City of Palm Bay accept a Wey knife gate valve as an alternative to comply with the AIS requirements for this application? Attached is more information to review.**

A8. Refer to Article 30 (Substitute Material and Equipment) of the Invitation for Bid document (starts on page 21).

**Q9. Per Addendum 6, Q108 requests to use this material (coal tar epoxy) but material is no longer in use. Please clarify alternate.**

A9. Refer to Article 30 (Substitute Material and Equipment) of the Invitation for Bid document (starts on page 21).

**END OF ADDENDUM #9**