



November 9, 2023

**City of Plant City
Procurement Department
cpcprocurement@plantcitygov.com**

**IFB 23-042UM-TG
Lift Station 7 Replacement Project REBID**

Addendum No. 4

***Respondents are required to acknowledge this addendum in their response.**

The following is additional information, clarifications, questions, and responses related to the above referenced IFB.

Clarifications

- **Questions and answers have been attached hereto.**

All other requirements, terms and conditions of the IFB Document remain unchanged.

1. Will the existing LS and manhole be filled with flowable fill? The plans only state suitable fill.
Response: No flowable fill shall be used. All suitable fill will be clean material in accordance to FDOT Roadway and Bridge Specification, Section 120 for Excavation and Embankment.
 - a. What are the dimensions of the existing station?
Response: Per City GIS, the existing wet well is 8 feet in diameter and approximately 25 feet deep.
 - b. What are the dimensions of the existing manhole?
Response: Per City GIS, the existing manhole is 5 feet in diameter with inverts and rim elevations included on Sheet 5 of the utility plans.
 - c. Can the City define what is classified as suitable fill, and is the contractor required to perform density tests inside the existing structures? If so, what are the requirements?
Response: All suitable fill will be clean material in accordance to FDOT Roadway and Bridge Specification, Section 120 for Excavation and Embankment. Contractor shall make all efforts to provide compaction of suitable fill within existing structures. The City will not require density testing on fill within existing structures.
2. Where is the contractor to deliver the salvaged material from the existing LS, or will the City be picking up the material?
Response: Any salvaged material will be delivered to 902 Mobley and will be coordinated with the Mechanical Electrical Superintendent.
3. What is the flow rate of the existing 6" FM?
Response: Flow rate in the existing 6" FM is 450 gallon/min.
4. What is the storage time on the existing lift station?
Response: At peak flow, storage time is approximately 25 minutes. Bypass pumping operations will be required.
5. Is the contractor required to clear and grub the existing overgrown landscaping around the existing LS 7?
Response: Overgrown landscaping on private property around LS 7 will remain.
6. Will the new LS site be cleared and leveled by others, or is the contractor responsible for this task? If the contractor is responsible for clearing and initial site prep work, can a cross section be provided?
Response: The Contractor is responsible for clearing and leveling of the new 50'x50' LS site. Site elevations are included on the Pump Station Site Plan, Sheet 9.
7. Is a permit required for clearing and grubbing the project site of brush/trees?
Response: Large tree removal may require a permit from the Planning and Zoning Department. There is not a cost for the tree removal permit.
8. Is the contractor allowed to burn the vegetation debris, or must it all be hauled off?
Response: Vegetation debris must be hauled off.
9. How is the contractor to determine how much fill is required to level the project location and bring it up to grade?
Response: We include tie-down elevations on sheet 9. Please confirm elevations with survey and Parkside Townhomes grading plan.
10. How is the contractor to be paid for unsuitable material if encountered?
 - a. Can a geotechnical report be provided for this project?
Response: Need to coordinate this with City and Parkside Townhomes report.
11. Does the existing manhole we are coring and reforming the bench in need to be lined if so, what liner is required?

Response: The existing manhole that will be cored will not require lining.

12. Where is the nearest upstream manhole that we will need to bypass out of to rehab existing manhole at Sta. 12+85?

Response: The nearest upstream manhole is located at Gibbs Street.

- a. Can you please clarify the proposed and existing inverts for this manhole?

Response: Existing and proposed inverts for the existing manhole are shown on sheet 5.

- b. What are the flowrates for this manhole?

Response: Peak flowrates for this manhole have been calculated to be 340 gallon/min.

13. Is the contractor responsible for grout filling the existing FM all the way into the existing LS?

Response: Contractor is responsible for all activities to cut, cap, and grout fill and place the existing force main out-of-service.

14. Per ADD #2 the contractor is required to coordinate with the power company on providing power to the new pump station.

- a. Who is responsible for this cost? Power companies typically do not provide estimates for this type of work.

Response: The City is responsible for the cost to install power to the Lift Station. Any power usage needed during the construction of the lift station will be the responsibility of the Contractor.

- b. If the contractor is responsible for this cost, can an allowance be provided?

Response: An allowance is not needed for this cost.

15. Is the contractor to remove and replace the entire roadway per detail PS-06, or only what is disturbed by our sanitary system installation?

Response: Only roadway impacted by the installation of the sanitary system will be reconstructed per detail PS-06.

- a. Can the removal and replacement of the roadway, and the milling and pavement limits be better defined on the plans?

Response: Removal and replacement of the roadway to construct the sanitary system will be determined by the Contractor. Limits of milling and resurfacing are indicated on sheet 5.

16. Has the temporary construction easement been obtained by the City for the proposed HDD drill?

Response: A temporary construction easement (TCE) has not been obtained by the City. If the Contractor determines they need a TCE, they will need to coordinate with the property owner for access.

- a. Is the 6" FM meant to be drilled only under the roadway, or all the way to the LS connection point?

Response: It is anticipated that the force main will have the north-south run entirely drilled. Open trenching will be required for connection to the existing force main and to the new lift station piping.

17. Per the note on sheet 9, the concrete slab for the pumpstation is to be 4" 3,000 psi with fiber mesh reinforcement, please confirm this note.

Response: Surrounding concrete slab will be 4" thick, 3000 PSI with fiber mesh reinforcement.

- a. Will crushed concrete 57 stone or limerock 57 stone be allowed?

Response: Crushed concrete 57 stone and limestone 57 stone will be allowed as base for the surrounding concrete slab.

- b. Is a geotextile fabric required under the stone?

Response: No geotextile fabric will be required under the surrounding concrete slab.

18. Per the specifications and ADD 2 there is supposed to be 6' separation between the water service and the 6" FM, per plan sheet 9 this is not possible due to 6' being more room than is available from the edge of this station and the ROW line.

Response: The location of the proposed water service can be coordinated in the field with City staff to ensure we maintain FDEP separation requirements.

19. Please confirm that all the fence posts are concrete.

Response: No concrete fence posts are required. All fencing will be chain link and constructed per the standard detail on sheet 11.

- a. The note on plan sheet 9 referring that the fence posts are 5"x5"x6'-0" imbedded 3'-0" into the ground. Does this mean that the contractor needs to supply 9' concrete posts?

Response: All fencing will be chain link and constructed per the standard detail on sheet 11.

- b. The fence detail sheet provided on page 11 conflicts with what is required on plan sheet 9.

Response: All fencing will be chain link and constructed per the standard detail on sheet 11.

20. Plan sheet 10 states to wrap the tracer wire around the discharge piping. Does this need to be done all the way to the connection point?

Response: discharge piping shall be wrapped for all piping located within the 50'x50' City parcel. Once the force main pipe enters the W Grant St right-of-way, the tracer wire shall be installed per standard detail WS-02 on sheet 13.

- a. Are two strands of tracer wire required?

Response: No

21. Can scaled pipe discharge piping be supplied so the contractor can determine the various spool pipe lengths?

Response: The pump station site is shown on sheet 6, which is drawn at 40 scale.

22. Addendum 2 references suitable fill several times, what does the City consider to be suitable fill?

Response: All suitable fill will be clean material in accordance to FDOT Roadway and Bridge Specification, Section 120 for Excavation and Embankment.

23. Please confirm that the wet well is 8' in inside diameter, the ** next to it mentions a note that this is to be confirmed with Plant Cities utility department.

- a. What is the proposed LS lid thickness?

Response: Wet well will have an 8' inside diameter.

24. Do the 90 Bends at the top of the wet well need to be SS, or DI like the rest of the above grade piping?

Response: Piping changes from stainless steel to ductile iron after the 90 degree bend on the riser pipe out of the wet well.

25. How does the safety net attach to the LS walls?

- a. Is the safety net a permanent requirement, or is it to be removed when construction is finished?

- b. Can a detail be provided for the safety net?

Response: Safety net is a permanent requirement and is to be installed per the manufacturers instructions.

26. Please confirm the quantity of pipe supports required, the plan and elevation views on plan sheet 10 contradict each other.

Response: Two pipe stands should be installed at ends where pipe extends above ground and one pipe stand to be installed in the middle of the above ground piping.

27. Please confirm the pressure gauge detail, plan sheet 10 calls for a ½" ss ball valve for the pressure gauge but the detail calls for a ¼" tap.

- a. What size tap is required on the Flanged T that requires a pressure gauge assembly?
- b. There are two pressure gauge assemblies provided in the plans, please confirm which detail is required.

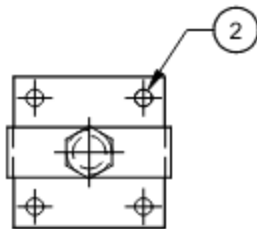
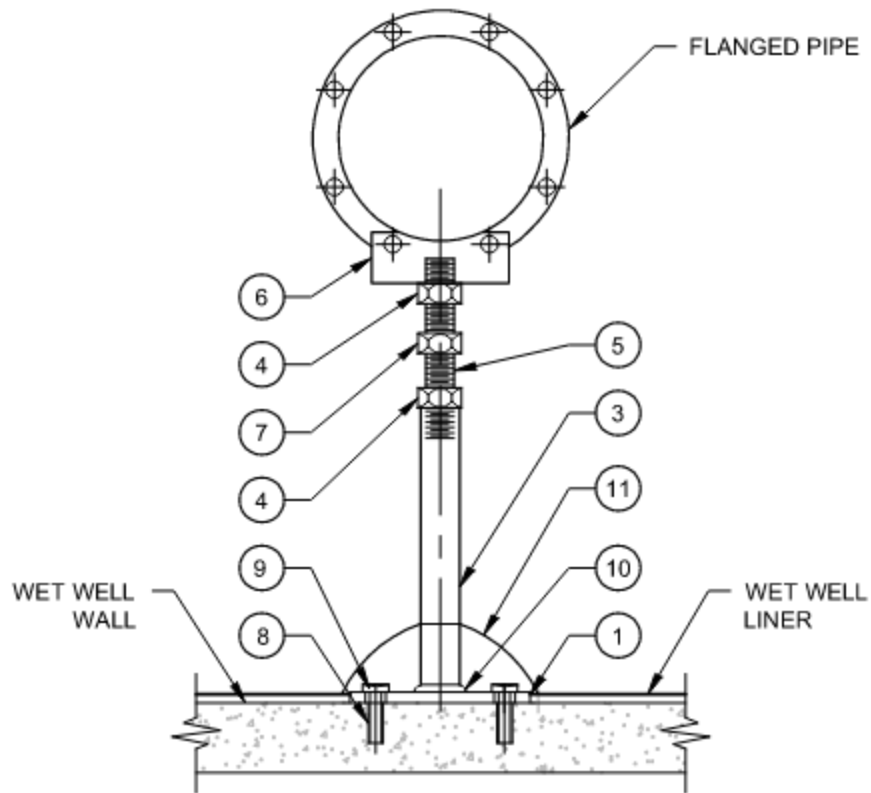
Response: Use Pressure Gauge Assembly Detail on Pump Station Site Sheet No. 11 with a ½" tap.

28. Is the entire standpipe for emergency operations SS, or is the 90 bend, and spool piece DI?

Response: Entire 4" diameter standpipe shall be sch. 40 316 stainless steel as called out on Pump Station Site Sheet No. 10

29. Can a penetration detail be provided for where the three SS standpipes penetrate the LS lid, as well as where the 4" DIP discharge piping penetrates the concrete slab?

Response: See Drawing No. SS-11 on Standard Detail Sheet No. 15 for seals and detail below for wet well riser pipe support assembly.



LEGEND:

1. BASE (1/4-IN SST)
2. MOUNTING HOLE (4 TYP)
3. SUPPORT COLUMN (1-IN SST SCH 40)
4. HEIGHT ADJUSTMENT NUT (1R & 1L)
5. SUPPORT SHAFT (THREADED)
6. PIPE SUPPORT FLANGE
7. ADJUSTMENT BOLT
8. ANCHOR (4 5/8-IN SST)
9. LAG BOLT (4 5/8-IN SST)
10. WELD
11. HDPE WELDED BOOT

NOTES:

1. ALL LEGEND ITEMS 1 THRU 9 TO BE 316 SST.

30. During a project site visit it appears that the future street shown at Sta. 15+00 RT will be completed prior to this project being performed.
- a. How is the contractor to be paid for the restoration of this roadway? Should this cost be included in our bid?

Response: *An allowance has been included for the connection to the newly installed infrastructure, restoration will be charged to that allowance.*

- b. Will there be any potential MOT impacts? It appears that the contractor developing the nearby area will be complete prior to our construction being completed.

Response: Any impacts to the MOT required for the installation of the lift station as design should be minor. The development is not expected to be inhabited during construction and have an entrance on Mendonsa Street.

- c. Will the contractor be required to implement a signed and sealed MOT plan due to this change?

Response: No.

31. Will a limited NTP be issued to gather material for this project? There are not enough days in the contract to gather material and construct the project. Most specialty material for pump stations are 4-6 weeks out minimum on procurement after approved submittals.

Response: Yes, the City will issue a Conditional NTP based on lead times of materials for the lift station.

32. Would an exfiltration or infiltration test on the gravity line be acceptable in lieu of the low-pressure air test?

Response: No

33. Can a wetland zoning map be provided for this location?

- a. It appears that there are several retention ponds placed around the proposed LS, is any of the project site located within a wetland?

Response: Limits of wetland are delineated on the plan set, see Plan Sheet 5. The LS site is outside of the wetlands, however, the 10" PVC Sanitary Sewer will be within the wetland limits. An EPC review was performed of the area under EPC Review Number 76419 and the work was deemed to have nominal consequences to the wetland and the City of Plant City is authorized to extend the Sanitary Sewer in this location.

34. Is FDEP clearance required prior to the sanitary system, LS, forcemain, and water service are placed into active service?

Response: EPC clearance for the domestic wastewater collection/transmission system is required.

35. What permits is the contractor required to obtain for this project?

Response: City of Plant City Building Permit, and Tree removal permit?

36. Where is the nearest hydrant the contractor can utilize for temporary water service?

Response: Existing fire hydrant as called out on the plans at approximately STA. 12+65, 27 RT or at the northeast corner of Waller St. and Grant St. as surveyed on the plans

37. Is the HDPE drill required to be mandrel tested?

Response: No

38. What type of coating is required for the above grade piping?

- a. Is the contractor required to paint/coat any SS piping/material that is above grade or outside of the wet well?

Response: Coatings is required on the above ground DIP piping per the table below.

Ferrous Metals System 1 - Zinc / Urethane / Fluoropolymer

Product	Prime Coat all materials. Zinc Surface Prep NACE 1 or NACE 3	Prime Coat - option for existing FBE or Hydrants only. Inorganic water based epoxy – overcoat existing coatings. Surface Prep NACE 4		Intermediate Coat. Aliphatic Acrylic Polyurethane		Final Coat. Fluoropolymer Polyurethane		
		DFT mils	DFT mils	DFT mils	DFT mils			
Tnemec	Zinc Series 90-97	2.5 - 3.5 (Avg. 3.0 MDFT)	Typoxy Series 27WB	4.0 -14.0 (Avg. 5.0 MDFT)	Endura-Shield Series 73	2.0 - 3.0 (Avg. 2.5 MDFT)	Hydroflon Series 700	2.0 - 3.0 (Avg. 2.5 MDFT)
Carboline	Carbozinc 859	3.0 -5.0 (Avg. 3.5 MDFT)	N/A	N/A	Carbothane 133 HB	3.0 -5.0 (Avg. 3.5 MDFT)	Carboxane 950	2.0 - 3.0 (Avg. 2.5 MDFT)
Sherwin Williams	Corothane 1 Zinc	3.0 - 4.0 (Avg. 3.5 MDFT)	N/A	N/A	Acrolon 218 HS Urethane	3.0 -6.0 (Avg. 3.5 MDFT)	Fluorokem HS	2.0 - 3.0 (Avg. 2.5 MDFT)

39. Are domestic materials required for this project, or is non-domestic materials acceptable?

Response: The not a domestic material requirement for this project.

40. Are full port plug valves required?

Response: Plug valves shall meet all requirements as shown on Specification page 02670-6 and -02670-7. Port shall be 100% of standard pipe area per section 2.3.B.4.a

41. At what point does the 6” drill transition to the 4” piping that connects to the pumps?

Response: After the reducer as detailed on Pump Station Site sheet no. 9 and sheet no. 10

42. Is the contractor required to reline the existing sanitary sewer we are connecting to?

a. What liner is required on the new manholes?

Response: No

43. Who is responsible for the SCADA integration into the City’s existing system?

Response: The City of Plant City personnel will integrate the new SCADA into the existing City system.

44. Can specifications be provided for the required generator?

Response: No generator procurement of installation is included with his Bid. The generator pad will be installed for the FUTURE installation of a generator by the City of Plant City.

45. 2. Can a brand and model number be called out for the required generator?

Response: No generator procurement of installation is included with his Bid. The generator pad will be installed for the FUTURE installation of a generator by the City of Plant City.

46. 3. Can a generator pad detail be provided? Currently there is no reinforcement detail for the generator pad, or thickness called out.

Response: No generator procurement of installation is included with his Bid. The generator pad will be installed for the FUTURE installation of a generator by the City of Plant City.