

# MEMORANDUM



To: All Interested Bidders

Date: **April 20, 2017**

Subject: IFB17-0071OV, Force Main 1D Replacement  
Bradenton, FL (Manatee County) (Project No. 6035781)  
**Addendum No. 4**

**Bidders are hereby notified to acknowledge this Addendum No. 4 on page 1 of the Bid Form making it a part of the above named bidding and contract documents. Bid submitted without Acknowledgement of the Addendum will be considered incomplete.**

The following items are issued to add to, modify, and clarify the bid and contract documents. These items shall have the same force and effect as the original bidding document, and cost involved shall be included in the bid prices. Bids to be submitted on the specified bid date, shall conform to the additions and revisions listed herein.

**The deadline to submit all inquiries concerning interpretation, clarification or additional has expired.**

**Bid Opening date has been revised to April 27, 2017 at 3:30 PM**

**(WAS: April 19, 2017 at 3:30 PM)**

1. The following revisions have been made to the **Technical Specifications for Force Main 1D Rehabilitation as of 04/11/2017.**

1. Section 01150, Measurement and Payment

- a. Bid Item 4.0, PVC Force Main
- b. Bid Item 5.0, Restrained Joint PVC Force Main
- c. Bid Item 6.0, Restrained Joint PVC Reclaimed Water Main
- d. Bid Item 7.0, Restrained Joint PVC Reclaimed Water Main
- e. Bid Item 8.0, HDPE Force Main by Directional Drill
- f. Bid Item 9.0, Ductile Iron Fittings for Force Main

**Removed language regarding testing for above listed bid items.**

- g. Bid Item 10.2, 18" Force Main Gate Valve
  1. Quantity has been revised from 12 ea. to 10 ea.
- h. Bid Item 10.3, 18" Force Main Gate Valve and Meter Assembly (w/o meter)
  1. Item added for 18" Force Main Gate Valve and Meter Assembly (w/o meter)  
2 ea.

Financial Management Department  
Procurement Division  
1112 Manatee Avenue West, Suite 803  
Phone number: (941) 749-3014

i. Bid Item 14.0, Lift Station Cleaning

1. Deleted from bid form and technical specifications. (Bid Form(s) have been renumbered accordingly).

j. Bid Item 24.0, added for flowable fill.

- k. Bid Item 27.2, Replace Oak Tree has been revised from 3 ea. to 5 ea.

**Revised Protected Excel Bid Forms (Bid "A" and Bid "B") are made a part of Addendum 4. (7 pages)**

2. Section 01590, County's Field Office

- a. Pages 76 through 77 have been removed.

2. The following revisions have been made to the **Plan Sheets for Force Main 1D Rehabilitation as of 04/6/2017. 24 x 36 Plan Sheets available via FTP site. See Response 13 for login information.**

1. Sheet 1, Cover Sheet

- a. Corrected "18-inch" to "18/20-inch" for force main installation quantity under project description.

2. Sheet 3, Key Sheet

- a. Corrected "18" HDD "to "20" HDD" for reference of sheets 5, 6, 9, 12, 14, 21, 24, and 27.

3. Sheet 23, Plan & Profile STA. 555+00 to 556+00/Plan & Profile STA. 600+00 to 603+00

- a. Added annotation for 18" gate valve to include meter assembly.
- b. Added annotation and leader to remove and replace trees.

4. Sheet 29, Plan & Profile STA. 700+00 to 705+00

- a. Added annotations and leaders for removal and replacement of trees.

5. Sheet 30, Plan & Profile STA. 705+00 to 708+50

- a. Added annotations and leaders for removal and replacement of trees.
- b. Reduced linear footage of 30" PVC sanitary main.
- c. Reduced linear footage of 15" PVC sanitary main.
- d. Removed annotation for manhole 1 lining.
- e. Corrected "remove and replace 50 LF 30" RCW" to read "remove and replace 85 LF 16" RCW".
- f. Added 20"x18" reducer to 18" PVC force main.
- g. Removed annotation of 30" replacement by others.

6. Sheet 31, LS 237 Site and Related Work

- a. Corrected "remove and replace 50 LF 30" RCW" to read "remove and replace 85 LF 16" RCW".
- b. Removed annotation for manhole 1 lining.
- c. Added 20"x18" reducer to 18" PVC force main.

- d. Removed annotation of 30" replacement by others.
- e. Added top elevation of 23.6' for on cast-in-place frame and auxiliary pump out detail.
- f. Added detail for existing 20" force main connection.

**(Revised Technical Specifications. 280 pdf pages attached)**

3. Additional notes pertaining to surveyed record drawings:

- 1. The surveyed record drawings for this project are to be completed using the NAVD 1988 Datum. The design utilized the NGVD 1929 Datum. Plan and profile elevation related data will be updated and include the bench marks tied to the 1988 Datum.

4. Responses provided to questions received from bidders as of March 28, 2017 at 5:00 PM.  
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- Q1. Bid Item 14.0, for Lift Station cleaning, please provide specifications outlining the scope of its cleaning work.
- R1. **Bid Item 14.0 has been deleted from the bid form and removed from the Technical Specification 01150, Measurement and Payment.**
- Q2. With regard to the lift station cleaning, we were told that the County would want to do a structural inspection of the wetwell after it is cleaned. We need to know how much time this will take.
- R2. **See R1 response which deleted the lift station cleaning from the project. A structural inspection is not required. The Lift Station Cleaning and Structural Inspection will be performed during the MLS 1D Wetwell Rehabilitation & Dimminutor Replacement project.**
- Q3. Please review the insurance requirements. We do not provide professional liability.
- R3. **Professional Liability Insurance has been removed from the Insurance requirements. See revised Insurance and Bonding Requirements which are made a part of Addendum 4. (8 pages attached)**
- Q4. Please delete any reference to providing "Builder's Risk Insurance".

- R4. Builder's Risk Insurance has been removed from the Insurance requirements. See response to Q3.**
- Q5. Please delete reference to providing a landscaping plan for the bid item.**
- R5. The landscaping plan is required. This plan does not need to be a CAD drawing. The plan may be a sketch and should include a plan that everyone can understand. A plan / sketch is required in order to define the size and type of plants to be installed.**
- Q6. There apparently are no bid items for the flow meters, please provide.**
- R6. Bid Item 10.3 has been added to reflect the need for an 18" gate valve with meter Assembly (to exclude provision of the flow meter itself) at stations 601+75.1 and 539+53.8. Refer to the updated bid form and Technical Specification Section 01150, Measurement and Payment.**
- Q7. Please provide information pertaining to which trees are to be removed at the lift station.**
- R7. Plans have been revised with "remove and replace trees" verbiage at appropriate locations on sheets 23, 29, and 30. Also 2 oak trees have been added to bid item 27.2 for a total of 5 oak trees (was: 3 oak trees). Updated plan sheets are included with Addendum 4.**
- Q8. We would like to know if this project, since it's a force main project is going to require 316 SS hardware on all restraints for the pipe including Bell Joint Restraints and/or Megalugs for the fittings and valves. Also will the valves and any other item that will be underground and include fasteners require them to be 316 SS?**
- R8a. Flanged joints and mechanical joints shall be made with high strength, low alloy Corten or 316 stainless steel bolts, nuts and washers, as referenced in technical specification Section 02640, 3.01, E. Pipe joints shall be restrained by mechanical methods, including stainless steel tie rods, Stargrip and Allgrip, as manufactured by Star Pipe Products or Megaflange and 2000 PV, as manufactured by EBAA Iron Sales as referenced on technical specification Section 02640, 2.17, A. Restrained joints may also be Lok-Ring, as manufactured by American Cast Iron Pipe Company, or an approved equal, as referenced in technical specification Section 02640, 2.17, B.**

- R8b.** Gate valve bonnet bolts, nuts and studs shall be stainless steel, as referenced in technical specification Section 02640, 2.01, G. In reference to tapping sleeves and valves, the valves shall be flanged with alignment ring by mechanical joint with a nonrising stainless steel stem and that all bolts, nuts and washers shall be stainless steel, as referenced in technical specification Section 02640, 2.18, A. The air release valve assembly should have a stainless steel float, trim, 2" service saddle, shutoff, nipples, and corp. valve or ball valve, as referenced in technical specification Section 02640, 2.07 and detail US-10. Where required, valve extension stems shall be fixed to the valve operating nut with a stainless steel fastener, as referenced in technical specification Section 02640, 2.08, E. Watertight manhole inserts shall be 316 stainless steel and are required for all sanitary sewer manholes installed. Inserts shall be as manufactured by FRW Industries, Conroe, Texas, or approved equal, as referenced in technical specification Section 03410, 3.01, K. Regarding anchors, bolts and fastening devices, stainless steel shall be attached to concrete or masonry by means of stainless steel machine bolts and iron or steel shall be attached with steel machine bolts unless otherwise specified, as referenced in technical specification Section 05500, 2.01, C. For structural purposes, unless otherwise noted, expansion bolts shall be Wej-it "Ankr-Tite", Phillips Drill Co. "Wedge Anchors", or Hilti "Kwik-Bolt", as referenced in technical specification Section 05500, 2.01, D. Please refer to the respective list in Section 05500, 1.05, A, for supplemental guidance and for conformance of materials pertaining to miscellaneous metals.
- Q9.** I have a question concerning the above project that has an IFB. Recent Manatee Force main projects have noted that there may be some contaminated soil in project area and that all restraints and MJ adaptor hardware are to be 316 SS. Does this apply to this project as well?
- R9.** Flanged joints and mechanical joints shall be made with high strength, low alloy Corten or 316 stainless steel bolts, nuts and washers, as referenced in technical specification Section 02640, 3.01, E. Pipe joints shall be restrained by mechanical methods, including stainless steel tie rods, Stargrip and Allgrip, as manufactured by Star Pipe Products or Megaflange and 2000 PV, as manufactured by EBAA Iron Sales as referenced on technical specification Section 02640, 2.17, A. Restrained joints may also be Lok-Ring, as manufactured by American Cast Iron Pipe Company, or an approved equal, as referenced in technical specification Section 02640, 2.17, B. Please refer to the respective list in Section 05500, 1.05, A, for supplemental guidance and for conformance of materials pertaining to miscellaneous metals.

- Q10. Will a City of Bradenton Right of Way use permit be required to be obtained by the contractor? What will be associated costs for the COB ROW use permit? In the previous Force Main 1M project that just bid, an allowance was made to cover the COB ROW permit. Consider doing the same for this project. Please clarify.
- R10. The entire Force Main routing is within Manatee County ROW or in easement; thus, no City of Bradenton ROW use permit is required.**
- Q11. On plan sheet 2, note 66 states; "All existing mains that are being replaced shall be abandoned in place upon acceptance and activation of the new mains, abandoned mains shall be cut, filled with grout, and capped. Refer to section 02064 of the specifications for grouting of abandoned pipe." The plans are not clear on the locations of and what sizes of existing pipe that is to be abandoned and filled with grout. There are no "call outs" on the plans showing locations, lengths and sizes of pipe. Can a grouting plan be produced showing the approximate locations, lengths and sizes of the pipe to be abandoned and grouted? More information needs to be provided to be able to adequately quote the grouting of the existing force mains to be abandoned. Please clarify.
- R11. The plans indicate where the existing force main is and what size. A pdf file of high-lighted plans is enclosed for clarification. Approximate quantities by size are shown on the plan set cover sheet under Project Description. The contractor shall submit a Grouting Plan to indicate where the flowable fill (grout) will be injected. The contractor shall also show on the record drawings where the existing FM has been removed.**
- Q12. Is bid item 25, Flowable Fill, with a quantity of 1,110 CY to be used for the grouting of the existing abandoned force mains? Measurement and Payment section referencing bid item 25 Flowable Fill, make no mention of being used for grouting of pipe. Please clarify.
- R12. Original Bid Item 25 is now Bid item 24 for Flowable Fill has been revised in technical specification section 01150, Measurement & Payment; copy enclosed.**
- Q13. On plan sheet 23, which shows the proposed work at the intersection of 59th St. W. and 21st Ave. W. Note No.2 on the plan sheet states that the, "Contractor shall proactively coordinate with all public and private utilities found in this area to facilitate the force main construction. This may include temporary shoring, removal and replacement of conduits/wiring, temporary thrust restraints, moving or lowering their facilities, as may be necessary." The "key" word in this note is "found". How is the contractor to put a number on "found" utilities? Please clarify. The plans do not clearly show existing utilities to be able to adequately quote any conflicts with the proposed construction in

this area. Can a larger and clearer drawing of the area between sta. 601+00 to 602+50 be produced? Please clarify.

- R13. An ftp site has been created which includes the 24x36 bid plans and addendum revisions.**

**Login Information**

**Browser link:** <https://tmppsftp.stantec.com>

**FTP Client Hostname:** tmppsftp.stantec.com **Port:** 22 (can be used within an FTP client to view and transfer files and folders; e.g., FileZilla)

**Login name:** s0420133219

**Password:** 9903424

**Expire Date:** 5/4/2017

- Q14. Will all bolts, nuts, washers and all thread rod for restrained joints, fittings and valves on this project be required to be 316 stainless steel? Please clarify.**
- R14. Flanged joints and mechanical joints shall be made with high strength, low alloy Corten or 316 stainless steel bolts, nuts and washers, as referenced in technical specification Section 02640, 3.01, E. Pipe joints shall be restrained by mechanical methods, including stainless steel tie rods, Stargrip and Allgrip, as manufactured by Star Pipe Products or Megaflange and 2000 PV, as manufactured by EBAA Iron Sales as referenced on technical specification Section 02640, 2.17, A. Restrained joints may also be Lok-Ring, as manufactured by American Cast Iron Pipe Company, or an approved equal, as referenced in technical specification Section 02640, 2.17, B. Gate valve bonnet bolts, nuts and studs shall be stainless steel, as referenced in technical specification Section 02640, 2.01, G. In reference to tapping sleeves and valves, the valves shall be flanged with alignment ring by mechanical joint with a non-rising stainless steel stem and that all bolts, nuts and washers shall be stainless steel, as referenced in technical specification Section 02640, 2.18, A. The air release valve assembly should have a stainless steel float, trim, 2" service saddle, shutoff, nipples, and corp. valve or ball valve, as referenced in technical specification Section 02640, 2.07 and detail US-10. Please refer to the respective list in Section 05500, 1.05, A, for supplemental guidance and for conformance of materials pertaining to miscellaneous metals.**
- Q15. In the Measurement and Payment section of the specifications, in the descriptions of items 4.0-PVC Force Main, 5.0-Restrained Joint PVC Force Main, 6.0-PVC Reclaimed Water Main, 6.1-Restrained Joint PVC Water Main, 8.0 HDPE Force Main by Directional Bore and 9.0-Ductile Iron Fittings for Force Main all have the following statement. "This Bid Item also includes furnishing, compacting and testing base and subbase for asphalt."**

Is the county not furnishing geotechnical testing for this project as stated in Specification Section 01410 Testing and Testing Laboratory Services? Please clarify.

- R15. The testing has been removed from the Measurement and Payment section 01150 of the technical specifications. The County will provide soils/materials testing.**
- Q16. The new proposed 15" PVC Sanitary Sewer is to be installed in the same location as the existing 15" PVC. Will testing of the new proposed 15" sanitary sewer be waived, as existing services will have to be tied in as the new main is installed? Please clarify.
- R16. The gravity sewer testing is required, and can be completed while bypass pumping.**
- Q17. Can a cross section providing more detail be provided showing the connections of the proposed 18" PVC force main and the 30" PVC sanitary sewer at the lift station? What is the thickness of the wall of the existing lift station? What are the proposed top elevations for the proposed Mag Meter vault and the Auxiliary Pump Out vault? Please clarify.
- R17a. Reference the details on plan sheet 35 for the 30" connection to the wet well.**
- R17b. The 18" FM tie-in to the existing 20" FM/valve with a reducer and all restrained joints schematic have been added to plan sheet 31, copy enclosed.**
- R17c. Wall thickness shown as 18".**
- R17d. The top slab elevations for the 2 structures have been added to the details on sheet 31 of the construction plans, copy enclosed.**
- Q18. Is it possible for the engineer to issue larger plans (24"x36") to scale in pdf format? There is a lot of information on the plans and it's hard to extrapolate information from the 11"x17" plans.
- R18. See response to question 13.**
- Q19. On plan sheet 3, "Key Sheet", there are numerous call outs for 18" HDD. Is this a typo, as there is no 18" HDD shown on other plan sheets or on the bid form? Please clarify.
- R19. Plan sheet 3, Key Sheet, of the construction plans have been revised to include the proper force main sizes, copy enclosed.**
- Q20. Clarify the number of required project identification signs.

- R20. Two signs are required. Locations to be determined in the field.**
- Q21. In the Technical Specifications, Section 01590, mentions that the contractor shall furnish, install and maintain one temporary field office. Will the contractor be required to furnish a field office for the county? Please clarify.
- R21. Section 01590 of the Technical Specifications has been deleted. A field office is not required.**
- Q22. Bid item 28, Tree Replacement. The required size and type of Palm and Oak trees need to be provided in order to be able to quote. Please clarify.
- R22. Bid item 28, Tree Replacement have been added to Bid Item 27.0 and are broken down as Bid item 27.1, Replace Palm Tree and Bid item 27.2, Replace Oak Tree. The tree types have been revised in the Technical Specification 01150 Measurement and Payment.**
- Q23. Bid item 33, Animal Shelter Landscaping. A landscaping plan with the type, size and quantity needs to be provided to ensure that bidders are bidding the same. Add bid items to cover the type of plants to be installed. Is irrigation to be included? If so an irrigation plan needs to be provided and an irrigation bid item added to the bid form. Please clarify.
- R23. Bid item 33 is now Bid item 32.0 and the successful bidder will provide the landscape plan based on equal or better replacement. This plan facilitates coordination with the animal shelter.**
- Q24. I visited the site to go over the scope of work concerning the proposed sanitary sewer and force main, located at Lift Station 237, located on 51<sup>st</sup> Street West. After opening the existing manholes at the lift station and upstream to the north, the existing sanitary sewer configuration does not coincide with the current plans that were provided in the bid documents. Plans need to be revised that reflect the current conditions, along with the scope of work that relates to these current conditions. This affects the installation of the sanitary sewer, MOT, by-passing of the sanitary sewer, lift station and other elements.

At this time contractors would only be speculating as to what work would be required covering these scopes at this location, and an accurate bid cannot be arrived at without current and accurate information.

- R24. Plan sheets 30 and 31 have been updated utilizing the "Gravity Sewer Replacement, 51<sup>st</sup> Street West" record drawings, which indicate a different gravity sewer configuration in front of LS 237, which reduces manhole and gravity sewer main quantities. Bid forms are enclosed also.**

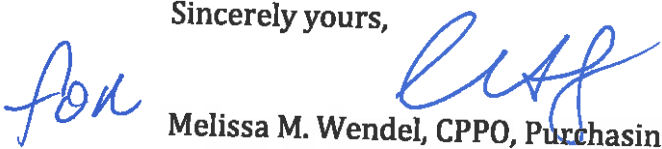
**Additional clarification:**

Two (2) locator wires shall be pulled with each directional drill as defined in Technical Specification 02619, Horizontal Directional Drilling, and paragraph 3.08.M.1. Any reference to one (1) wire being pulled is incorrect. Two locations where this occurs are Technical Specification section 02620, Polyethylene (PE) Pressure Pipe, paragraph 2.03.B. and section 02617, Installation and Testing of Pressure Pipe, paragraph 1.04.B.

If you have submitted a bid prior to receiving this addendum, you may request in writing that your original sealed bid be returned to your firm. All sealed bids received will be opened on the date stated.

Bids will be received at the Manatee County Procurement Division, 1112 Manatee Avenue West, Suite 803, Bradenton, FL 34205 **April 27, 2017 at 3:30 PM.**

Sincerely yours,



Melissa M. Wendel, CPPO, Purchasing Official  
Manatee County Procurement Division

OV

Att: 6 pages - Excel Protected Bid Forms (Bid "A" and Bid "B")  
1 pdf page Bid Form  
8 pdf pages, Revised Insurance and Bond Requirements  
280 pdf pages, Revised Specification (04/11/2017)  
24 x 36 Plans via FTP site valid thru May 4, 2017