

# MEMORANDUM

To: All Interested Bidders  
Date: **February 10, 2017**  
Subject: IFB16-3094OV, Force Main 13A Rehabilitation  
Bradenton, Manatee County, FL (Project #6049181)  
**Addendum #4**



**Bidders are hereby notified that this Addendum shall be acknowledged on page 00300-1 of the Bid Form and made 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 of January 27, 2017 to submit all inquiries concerning interpretation, clarification or additional information pertaining to this bid has been expired. No additional inquiries shall be considered.** This deadline has been established to maintain fair treatment for all potential bidders, while maintaining the expedited nature of the economic stimulus that the contracting of this work may achieve.

**Bidders Note 1:**

The Bid Opening Date has been revised **FROM February 14, 2017 TO February 24, 2017 at 3:30 PM**

**Bidders Note 2:**

**Revised Bid Forms (Bid A and Bid B), Addendum #4** are made a part of this document.  
(8 Excel "Locked Bid Forms" attached)

**Bidders Note 3:**

Revised Construction Plans for Force Main 13A Replacement. (10 revised pdf Plan Sheets attached)  
Sheet No. 01 – Cover Sheet  
Sheet No. 02 – General Notes  
Sheet No. 05 – Plan and Profile (60<sup>th</sup> Ave W) STA 0+00 to STA 5+00  
Sheet No. 28 – Master Lift Station Plan 13A  
Sheet No. 29 – Details  
Sheet No. 32 – Details  
Sheet No. 33 – Sidewalk Plan (12<sup>TH</sup> ST W)  
Sheet No. 34 – Sidewalk Plan (60<sup>TH</sup> AVE W)  
Sheet No. 35 – Sidewalk Plan (60<sup>TH</sup> AVE W)  
Sheet No. 36 - Header Piping Plan

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

**Bidders Note 4:**

Revised Contract Documents / Technical Specifications dated February 2017:

- Section 01150, Measurement and Payment, (pages 01150-1 through 01150-12)
- Section 02064, Division 2, Site Work, (pages 02064-1 through 02064-4)
- Section 02444, Fencing, (pages 02444-1 through 02444-8)
- Section 02640, Valves and Appurtenances, (pages 02640-1 through 02640-18).  
(46 total revised pdf pages)

**Bidders Note 5: Responses to questions, inquiries received through 5:00 PM, January 27, 2017.**

1. Reference specifications Section 'D', INSURANCE AND BONDING REQUIREMENTS, why are we having to furnish Installation Floater insurance, we are not constructing any buildings or furnishing any machinery or equipment?

**Response: Remove requirement for Installation Floater Insurance.**

2. Reference plan sheets 27 and 28, these sheets show reference to installing 24-inch line stops, but there is no bid item for line stops, please clarify.

**Response: Bid Items have been revised so that the line stop is included under Bid Item #18 in Spec Section 01150.**

3. For purposes of filling the existing force main with concrete grout, please provide asbuilts of the existing pipe line for us to prepare a bid by?

**Response: Records drawings have been provided in Addendum #2.**

4. Reference bid form, bid items 25 through 27, are these trees exempt from the Contractor getting a tree removal permit as indicated in specifications Section 01005, GENERAL REQUIREMENTS, page 01005-9, par. B, Protection of Trees, sub-par. 3, second sentence? Please clarify.

**Response: All trees within the right of way are not required to be replaced upon removal. Only trees outside of the right of way must be replaced. Contractor must obtain tree removal permits for any trees outside of the right of way and account for these within their bid items.**

5. Reference specifications Section 01150, MEASUREMENT AND PAYMENT, page 01150-4, par. BID ITEM #7 – 24" PVC (C-905) FORCE MAIN, last sentence, this sentence needs to be deleted. There are contaminated areas along the pipe route and at this time we do not know what the contaminants are and therefore cannot be expected to not be compensated for remedial work that may be deemed necessary by the Florida Department of Environmental Protection, (FDEP), or any other jurisdictional agency. Any water treatment or special equipment needed to handle contaminated groundwater should be compensated the Contractor through a change order.

**Response: The following statement at the end of Bid Item #8 has been deleted; "any water treatment services or equipment that may be required for contaminated groundwater."**

**If contaminated water is encountered it will be handled through a Change Order.**

6. Reference specifications Section 01150, MEASUREMENT AND PAYMENT, page 01150-5, par. BID ITEM #12 – 24" PIPE RESTRAINTS, is this bid item only for bell joint restraints or is this item also to include the mechanical joint restraints, referred to as Meg-a-Lugs in the industry, that are used when connecting mechanical joint fittings to the pipe? We appreciate the County recognizing the need for the bid item, but we cannot mix the different types of restraining devices in one (1) bid item because of their price difference. If the intent of this item is for direct bury pipe in restrained areas and need a bell joint restrainer to accomplish this, then identify the type of restraining device we are to only include in this item and let us include the mechanical joint restraining devices, Meg-a-Lug, in the price for fittings, Bid Items 9, 10, 11. Please clarify.

**Response: The intent of this item is for direct bury pipe in restrained areas needing a bell joint restrainer. Mechanical joint restraints such as the Meg-a-Lug should be included in the price of the fitting.**

**Bid Item #12 has been revised to Bid Item #13 and now reads 24" Bell Joint Pipe Restraints for clarification. Please reference updated SECTION 01150, MEASUREMENT AND PAYMENT, page 01150-5.**

7. Reference specifications Section 01150, MEASUREMENT AND PAYMENT, page 01150-5, par. BID ITEM#13 – MAG METER ASSEMBLY, second paragraph, last sentence, please identify where exactly the exterior control module/transmitter is to be mounted and provide a drawing for the location.

**Response: Bid Item #13 has been revised to Bid Item #14, MAG METER ASSEMBLY. Reference updated Section 01150, MEASUREMENT AND PAYMENT, page 01150-5. Approximate location of meter assembly exterior control module/transmitter is shown**

**on Sheet 28 and is attached in the addendum. The exact location is to be coordinated with Manatee County.**

8. Reference plan sheet 29, MAG METER DETAIL, MAG METER PIPING LEGEND, Item #10, 2" ARV (Refer to Detail US-2), please provide Detail US-2. Also, a two (2) inch tap on the flanged 90 degree bend at the location shown in the Mag Meter Detail is not available, the fitting will have to be tapped in an alternate location. Please review.

**Response: 90-degree fitting has been substituted with an 18" Tee with a blind flange. This should allow for a 2" tap to be placed at the location of the meter assembly. See Sheet 29 for details in the addendum.**

9. Reference specifications Section 01150, MEASUREMENT AND PAYMENT, page 01150-6, par. BID ITEM #15 - PIG LAUNCHER/RECEIVER STATION, last sentence, disinfection, is this really necessary for a force main pig launching station?

**Response: Disinfection is not required for the pig launcher/receiver station. Bid item #16 has been revised to reflect changes.**

10. Reference specifications Section 01150, MEASUREMENT AND PAYMENT, page 01150-6, par. BID ITEM – FORCE MAIN CONNECTIONS, first paragraph, last sentence, "and the temporary shutdown of the existing lift station", will the County be charging the Contractor for shutting the lift station down?

**Response: No. Bidders note: Bid Item #17, FORCE MAIN CONNECTIONS is now Bid Item #18. Reference updated Section 01150, MEASUREMENT AND PAYMENT, page 01150-6 / 7.**

11. Reference bid form Bid Item 18, Grout Fill Abandoned Existing Force Main, the bid quantity of 1,401CY is high and would equate to filling approximately 12,040LF of 24-inch pipe, this job is replacing 11,296LF of pipe. Please adjust the bid quantity accordingly in order to not inflate the cost of the job.

**Response: Cubic yards of grout fill has been revised to 1,320 CY. Bid Item #18, Grout Fill Abandoned Existing Force Main has been revised to Bid item #19. Reference updated Section 01150, MEASUREMENT AND PAYMENT, page 01150-7.**

12. Reference bid form Bid Item 5, 24" HDPE Pipe, the bid quantity appears to include the 720LF of 24-inch HDPE pipe that will be installed inside the 36-inch HDPE casing pipe at U.S.-41, the bid quantity should be revised to reflect only the footage of directionally drilled 24-inch HDPE pipe and a separate bid item be added for the 24-inch HDPE carrier pipe inside the 36-inch HDPE casing and be paid accordingly as the carrier pipe installation is different from the directional drilled pipe installation. Please review.

**Response: Bid Item #6 for the 24" carrier pipe has been created. See Section 01150, MEASUREMENT AND PAYMENT, page 01150-4 for the revised changes.**

13. Reference plan sheet 21, at approximately station 84+00, the note to remove and replace mailboxes, are we installing new mailboxes? If so, please add a bid item for this work.

**Response: Bid Item #36 for removal and replacement of mailboxes has been created. See Section 01150, MEASUREMENT AND PAYMENT, page 01150-10 for the revised changes.**

14. Reference specifications Section 01150, MEASUREMENT AND PAYMENT, page 01150-9, BID ITEM #32, please provide a design detail for these structures. Also, plans show two (2) structures and bid quantity shows three (3), where is the third one?

**Response: Bid Item #32, Storm Water Structure (Removal and Replacement) has been revised to Bid Item #30 Storm Water Drainage Flume (Removal and Replacement) for pipeline. These structures are in reference to the drainage flumes on Sheets 06 and 07. There are three in total.**

**A detail has been added to Sheet 32 for reference.**

15. Reference plan sheet 7, the note to "REMOVE AND REPLACE CONCRETE DRAINAGE FLUME", please provide a detail of what we are to bid on. Also, are these structures to be paid in bid item 32?

**Response: The drainage flumes are described in Bid Item #30. A detail has been added to Sheet 32 for reference.**

16. Reference specifications Section 01150, MEASUREMENT AND PAYMENT, page 01150-11, BID ITEM #41, is this item to include installing all new guardrail material or just reinstall the existing guardrail? If new material is required, what type end anchor assemblies are we to bid?

**Response: Bid Item #41 has been revised to read Bid Item #40. See Section 01150, MEASUREMENT AND PAYMENT, page 01150-11 for the revised changes. A new guardrail is to be reinstalled. Per sheet 33, see FDOT Index 400 for details on installing a new guardrail.**

17. Regarding the Guardrail bid item referenced above in item #41, wouldn't a three (3) tiered pedestrian/bicycle aluminum railing be better for this location?

**Response: Please follow the plans and specifications regarding the guardrail.**

18. Can reclaimed water be utilized for testing the new force main? Is there a cost to the contractor and if so, what is that cost?

**Response: Potable water is required for pressure testing.**

19. If potable water must be used what will the contractor be charged for the water used?

**Response: Yes, potable water will be charged. Coordinate with the County utilities department on setup of a meter and usage rates. Pricing shall be included in Bid Item #8.**

**Please call Manatee County Utilities Customer Service at 941-792-8811, Monday through Friday between the hours of 8:00 a.m. and 5:00 p.m.**

20. What are the sewage flow rates of the master lift station?

**Response: 3319 GPM @ 143 TDH.**

21. Please provide a sequence of events that are recommended for the station shut down for the various tie ins valve and pipe replacement, etc.

**Response: Proposed line stops and piping have been revised so that contractor can make use of the bypass port shown on Sheet 28. It is the intent that the contractor will bypass out of the terminal manhole before the lift station wetwell with bypass pump and temporary piping to this bypass port to make the connections and modifications to riser piping. However, the contractor is responsible for their own means and methods during construction.**

22. When can a lift station site visit be scheduled?

**Response: In addition to the Lift station site visit held on Thursday, January 12, site visits were performed at various dates at the request of bidders.**

23. What are the tree types that are to be replaced?

**Response: For the trees in the public right-of-way, the contractor will give the property owner one week's notice to relocate all trees and shrubs out of the county right of way. At the end of the week, all trees and shrubs will be cleared and grubbed without replacement.**

**See revised Note 62 on the General Notes on Sheet 02.**

24. What are the types of shrubs, bushes to be replaced? Please provide the type and quantity of each.

**Response: The contractor will give the property owner one week's notice to relocate all trees and shrubs to out of the county right of way. At the end of the week, all trees and shrubs will be cleared and grubbed without replacement.**

**This note has been added to the General Notes on Sheet 02.**

25. Will the 36-Inch HDPE casing pipe for bid item 6 have to be pressure tested?

**Response: Pressure testing for casing pipe will not be required.**

26. Will the bi-directional reflective pavement markers have to be replaced on 60<sup>th</sup> Avenue West? If so, please add a bid item for them.

**Response: Bid items #20 and #21 have been revised to include the Bi-directional reflective pavement markers See Section 01150, MEASUREMENT AND PAYMENT, pages 01150-7 /8.**

27. Reference plan sheet 28, please provide a detail for the "Bollards" at the perimeter of the mag meter slab.

**Response: Detail for bollard has been attended to Sheet 32.**

28. Reference plan sheet 28, what are the dimensions of the new fence and what size double leaf gate are we to furnish?

**Response: Fence shall match existing dimensions in the field. Detail and specifications have been provided for the installation as shown on Sheet 32 and in Specification Section 02444.**

29. Reference plan sheet 28, please provide specifications and details for fence and double leaf gate.

**Response: Details and specifications for the gate have been provided and are shown on Sheet 32 and Specification Section 02444.**

30. Reference plan sheet 28, what is the north to south distance between the center lines of the Mag Meter and the Pig Port Launching/Receiving Station?

**Response: See Sheet 28 for dimension details.**

31. Reference plan sheet 29, "Mag Meter Piping Legend", where is Item number 3, the 24"x18" D.I. Reducer, Fig.?

**Response: 24" x 18" D.I. Reducer has been removed from the Mag Meter Piping Legend and is not needed for installation.**

32. Reference plan sheet 29, "PIG PORT LAUNCHING/RECEIVING STATION DETAIL", Section "A", there is no such thing as a 24" Cap Flange, this will have to be a 24" blind flange, please review.

**Response: Detail has been revised to 24" blind flange instead of cap flange.**

33. Reference plan sheet 29, "PIG PORT LAUNCHING/RECEIVING STATION DETAIL", Sections "A" and "B", the riser pipe to receive the 24-inch blind flanges will have to be ductile iron pipe, please clarify.

**Response: Pig Port detail has been revised to clarify that the riser pipe must be ductile iron.**

34. Reference plan sheet 35, KEY NOTES, item 7, what is the length of the new 18" D.I. FL x MJ WALL PIPE WITH WELDED WATER STOP supposed to be?

**Response: Sheet 36 has been revised in a new piping configuration. Wall Pipe has been dimensioned in the new plan.**

35. Reference plan sheet 35, will flange adaptors be allowed for connecting the new 12-inch riser pipe to the existing flange 90 degree bend at the base of the pump discharge?

**Response: Sheet 36 has been revised in a new piping configuration. Flange adaptors will be allowed for connecting to existing flanges.**



36. Reference plan sheet 35, will a flange adaptor be allowed for connecting the 18-inch MJ wall pipe to the existing flange wye?

**Response: Sheet 36 has been revised in a new piping configuration. Flange adapters will be allowed for connecting to existing flanges.**

37. Reference specifications Section 01150, MEASUREMENT AND PAYMENT, page 01150-10, BID ITEMS #35 and #37, where is this work at for these items?

**Response: Bid Items #35 and #37 have been revised to Bid Item #33, proposed chain link fence near the Master Pump Station 13A and Bid Item #35, Fence Replacement / Relocation is in regards to the chain link fence that must be replaced for the installation of the pipeline and sidewalk. These bid items have been revised in the MEASUREMENT AND PAYMENT SECTION 01150, page 01150-10.**

38. Reference specifications Section 01150, MEASUREMENT AND PAYMENT, page 01150-11, BID ITEM #44, 12" DUCTILE IRON PLUG VALVE, please provide specifications for the mechanical chains required for these valves, material type, etc.

**Response: Bid Item #44, 12" DUCTILE IRON PLUG VALVE, has been revised to Bid Item #43, reference Specifications Section 01150, MEASUREMENT AND PAYMENT, page 01150-11. Sheet 36 has also been revised in a new piping configuration. Mechanical chains will no longer be required.**

39. Reference specifications Section 01150, MEASUREMENT AND PAYMENT, page 01150-7, BID ITEM – PAVEMENT REPAIR AND ROAD RESTORATION, Bid Item 19 covers the asphalt pavement to be replaced over the pipe trench and this is fine, Bid Item 20, is to cover the asphalt pavement outside of the pipe trench that will be milled and overlaid with asphalt, this item needs to be broken down into two (2) bid items, one for milling and the other for overlaying. Reason being, the area to be milled will be less than the area to be overlaid due to the pipe trench and the area to be overlain will include the area over the pipe trench plus the milled area, thereby creating a larger surface area for asphalt overlay than the milled surface area. Please provide separate bid items for this scope of work.

**Response: Bid Item #19 has been revised to Bid Item # 21, reference Specifications Section 01150, page 01150-8. Bid Item #21, Mill and Resurface does not include the area over the pavement replacement. Even though the sequence of construction will most likely be a full mill and surface after the pavement replacement has been completed, these values will still be separate.**

**most likely be a full mill and surface after the pavement replacement has been completed, these values will still be separate.**

40. Reference plan sheets 32 – 34, the Sidewalk work areas, from the sections shown, it appears that the roadside swales will be impacted by the sidewalk work and there is no provision for compensating the contractor for the swale grading and sod restoration work. Please add bid items.

**Response: Per Section 01150-10 of the specifications - Bid Item #34, Site Grading; "Payment for all work included under this Bid Item will be made at the Contract unit price bid per square yard of site grading required to regrade the sidewalk, driveways, drainage swales, and land area in plan sheets 33-35 as shown in the Contract Drawings**

**and as listed on the Bid Form. Grading regarding the excavation and backfill of the force main shall be accounted for in Bid Item #8. Measurement will be based on the actual number of square yards that required grading that was completed and approved."**

**Per Section 01150-8 of the specifications – Bid Item #25, Sodding "Payment for all work included in these Bid Items will be made at the applicable Contract unit price bid per square yard for furnishing and installing sodding as shown on the Contract Drawings and listed on the Bid Form. Payment shall represent full compensation for all labor, materials, necessary equipment, and incidentals necessary to complete the work, ready for approval and acceptance by the County."**

41. Reference plan sheet 28, there is an existing valve on the existing force main just south of the valve opposite the by-pass connection vault, this valve does not appear on this drawing but it is there with a painted green valve box lid. Does the County know if this valve is operable? Has the County exercised this valve to see if it will close?

**Response: Sheet 28 has been modified to show the intent of the bypass plan for improvements at Lift Station 13A. The intent is to use the line stop upstream of the bypass port and route flows from the manhole onsite to the bypass port during construction of the improvements. Contractor is responsible for means and methods during construction.**

**The valve has not been exercised recently, however it is in closed position and has only been in service for approximately 6 years. The County does not expect this valve to be an issue during construction.**

42. Reference plan sheet 5, at approximately station 1+50, the existing valve that the new force main is to connect to, does the County know if this valve is operable, has the County exercised this valve to see if it will close?

**Response: County exercised the valve within the past few months and it is operable. Contractor shall verify valve is operable before connection is made.**

43. Reference plan sheet 28, please provide a detail for the existing pump out connection.

**Response: Existing pump out connection detail is not available. Schedule a site visit with staff to examine detail of pump out connection. Sheet 28 shows a plan view of the piping. Sheet 28 is made a part of Addendum #4.**

44. Reference plan sheet 35, will the overhead trolley in the dry pit side of the pump station be available for our use in getting materials in and out of the dry pit side of the station?

**Response: Contractor may use the overhead trolley in the station, however any damage incurred will be the responsibility of the contractor. The weight rating for the overhead trolley (overhead crane) is 3 tons.**

45. Please provide the current design criteria for the pumps at the lift station. We need to know Total Dynamic Head (TDH), gallons per minute, etc.

**Response: 3319 GPM @ 143 TDH.**

46. Reference Addendum Two, As-Built Package, the as-built drawings dated June 1978 do not show profile view of the pipeline and this is critical information we need to make our assessment of where to pump grout into the pipeline at, please provide profile view of this force main even if it has to be a design view. At least with a design view we can get an idea of vertical deflections and jack and bore locations.

**Response: The existing force main location and depth was determined through use of the as-builts as well as electronic designation and vacuum excavation. These vertical excavates are listed on Sheet 03 and are shown within the plans.**

47. Reference plan sheet 28, the Note that reads "REPLACE THE EXISTING FORCE MAIN TO THE FIRST FLANGE INSIDE THE WALL OF LIFT STATION 13A, SEE HEADER PIPING PLAN ON SHEET 35 FOR DETAILS OF PIPE REPLACEMENT WITHIN LIFT STATION", plan sheet 35 shows connecting to the existing flanged wye fitting, but this is not the first flanged connection that exists inside the station as there is a flanged spool piece of pipe at the west end of the flanged wye, what are we connecting to, the flanged wye or the flanged spool piece of pipe?

**Response: The note on Sheet 28 has been revised. The contractor shall use Sheet 35 for construction details regarding connection into the lift station.**

48. Reference plan sheet 35, what is the thickness of the lift station wall where we are to install the new wall pipe through?

**Response: The thickness of the wall is 18 inches.**

49. Reference specifications Section 01150, MEASUREMENT AND PAYMENT, page 01150-7, BID ITEM #18 – GROUT FILL ABANDONED EXISTING FORCE MAIN, should it become necessary to excavate through an existing asphalt roadway surface to expose the existing force main pipe for purposes of grout filling, what surface restoration work to the asphalt surface will be required, milling and overlaying the full width of the roadway twenty-five (25) feet in each direction of the asphalt cut or just the travel lane that may be impacted?

**Response: Manatee County Detail UG-12 shall be used for any additional asphalt restoration that needs to be completed, 25' in each direction of the asphalt cut.**

50. Reference specifications Section 01150, MEASUREMENT AND PAYMENT, page 01150-7, BID ITEM #18 – GROUT FILL ABANDONED EXISTING FORCE MAIN, please provide a specification for the concrete grout fill material.

**Response: See revised Specification Section 02064 – 3.04 D-E for specification of concrete grout material.**

51. Reference plan sheet 5, at approximately station 1+50, where the new force main is to be connected to the existing force main, the engineer needs to add one (1) 24-inch line stop at approximately station 2+00 to the existing force main, and one (1) each 24"x18" tapping sleeve and valve at approximately station 2+25 to the existing force main and at station 1+25 a 24"x18" tapping sleeve and valve to the existing force main and install temporary by-pass piping between the tapping valves in order to maintain flow. If the existing valve at station 1+50 is inoperable a second line stop will be necessary at about station 1+40. Please provide a conceptual design and bid items for this piping by-pass.

**Response: The intent of Bid Item #18 is to use pump trucks at the following 3 lift stations in order to temporarily shut down the existing force main. Connection must also be made outside of peak hours between 9PM and 5AM.**

**LS 13A – 63<sup>rd</sup> Avenue East**

**LS 14A – 9th Street E and Whitfield Avenue**

**Samoset 1 (RTU308) – 34<sup>th</sup> Ave East and 18<sup>th</sup> Street East**

**Please coordinate with Nick Wagner (Lift Station Superintendent) with Manatee County for shutdown of Lift Stations. At least four days' notice needs to be provided to Nick in order to coordinate shutdown.**

**Phone Number: 941-792-8811 EXT 5377**

**Bid Items have been revised to include the provision of a minimum of 4 septic storage trucks at 13A, 2 septic storage trucks at 14A, and 2 septic storage trucks at Samoset 1 (RTU308) to be used during the time frame of the connection.**

**However, the contractor may use other means and methods when making the connection to the existing force main as long as wastewater service is not interrupted and no overflows occur in the sewer system.**

52. Reference plan sheet 27, at approximately station 114+06, where the new force main is to be connected to the existing force main, this location needs to have a temporary by-pass piping system designed for it as in above item no. 13. The line stops are already shown, but there needs to be tapping sleeves and tapping valves with temporary by-pass piping included in order to maintain flow. Please provide a conceptual design and bid items for this piping by-pass.

**Response: See previous response #50 for connection to existing force main.**

53. A large portion of the open cut pipeline has been designed with approximately 8 feet of cover. The depth does not state "minimum". What is the minimum cover that is allowed over this pipe. Can the contractor raise the pipe to this minimum cover? The proposed deep depth will add cost, time, difficulty and impact to the residents.

**Response: Bid project per Plans and Specifications. The pipeline needs to be installed at the depth shown on the Plans. The pipe cannot be raised.**

54. The proposed open cut pipe between STA 34+00 and STA 43+50 will require complete road closure to make this installation given the width of the trench, space needed for wellpoints, and size of equipment needed to install pipe and shoring at the proposed depth of 10-12 feet. Given the many apartment complexes which have their access along this route, please consider converting this section of pipe to directional drill, otherwise, please confirm that a complete road closure will be allowed. Please also clarify if any special accommodations will need to be provided by contractor for these residents (i.e. alternate parking areas, night work, etc.)

**Response: Road closure will be allowed. Contractor to plan construction around maintaining access for property owners to their property. Local traffic access must be maintained.**

55. Please confirm allowable work hours for all phases of this project.

**Response: Allowable work hours for this project are 7:00 a.m. to 7:00 p.m., Monday through Friday. Any work on weekends, legal holidays, or outside of normal business hours will require written permission by the County. Emergency work may be completed without prior permission.**

56. Please advise if any off-duty police officer presence will be required for this project. If so, please consider adding an allowance for this expense.

**Response: Off-duty police officer will not be required for this project.**

57. Each of the directional drill sections will require that the HDPE pipe be pre-assembled and strung out beginning at least 1 week prior to pullback. Given the many driveways on either side of the drills, please designate an allowable pipe laydown area for this drills. Please also clarify what accommodations will be required to residents and businesses impacted by their driveway closures.

**Response: The following responses are the intent of the plans and specifications, this does not dictate the contractor's means and methods.**

- 1) **HDD from station 24+36 to 28+05: Starting at station 24+36 and going west, lay approximately 370' of 24" HDPE pipe in the grass on the north side of 60th Avenue West.**
- 2) **HDD from station 43+66 to 52+35: Starting at station 43+66 and going west, lay approximately 870' of 24" HDPE pipe on the south side of 60th Avenue West. All traffic intersecting 60th Avenue West from the north will have to turn right (west) to avoid conflict with the 24" HDPE pipe. The 24" HDPE pipe will block driveways along the south side of 60th Avenue West and will have to be adjusted as needed to allow home owners to enter and exit their properties.**
- 3) **HDD from station 65+34 to 72+34: Starting at station 65+34 and going west, lay approximately 700' of 24" HDPE pipe in the center of 60th Avenue West. All traffic intersecting 60th Avenue West from the south will have to turn right (east) and all traffic intersecting 60th Avenue West from the north must turn left (west) in order to avoid conflict with the 24" HDPE pipe.**
- 4) **HDD from station 89+59 to 92+89: Starting at station 92+89 and going east, lay approximately 330' of 24" HDPE pipe on the south side of 60th Avenue West. The 24" HDPE pipe will block driveways along the south side of 60th Avenue West and will have to be adjusted as needed in order to allow for home owners to enter and exit their properties.**

- 5) HDD from station 102+27 to 105+12: Starting at station 105+12 and going south, lay approximately 285' of 24" HDPE pipe on the east side of 5th Street West. The 24" HDPE pipe will block driveways along the east side of 5th Street West and will have
- 6) to be adjusted as needed in order to allow for home owners to enter and exit their properties.

58. What is the size of the inflow pipe to the wetwell and what is the inside diameter of the manhole outside the wetwell at lift station 13 that we will have to by-pass pump out of?

**Response: The inflow pipe diameter is 36-inches and the Manhole inside diameter is 48-inches.**

59. Confirm specification 2.14 that cor-ten is approved for use with bell restraint rods – pay item 12.

**Response: All T-bolts, bolts, nuts, washers, and all thread rods shall meet the ASTM A-242 requirements (Cor-ten or equivalent) or be 316 stainless steel. The use of rebar with welded thread is prohibited. A certification letter from the supplier, which states the name of the project and contractor, shall be provided to the County ensuring all restraints were delivered to the contractor with T-bolts, bolts, nuts, washers, and all thread rods supplied meet the ASTM A-242 requirement. A certification letter for the use of stainless steel is not required, since stainless steel can be visually recognized and tested in the field by the inspectors. The certification letter shall accompany all applicable shop drawing submittals. 316 stainless steel shall be required where soil testing indicates a corrosive environment.**

60. Are 100%, 2-part epoxy, holiday free Valmatic or Pratt plug valves considered equal to Dezurik or Kennedy's for this project.

**Response: Yes, a holiday-free certification must accompany each valve.**

61. Confirm the two part holiday free thermal epoxy as specified in 02640-6 is approved for the plug valves. The typical spec is fusion bond epoxy (02640-2). Please confirm both types are accepted.

**Response: Plug valves shall be coated inside with Protecto 401 or amine-cured novolac ceramic epoxy or another two-part epoxy suitable for sanitary sewer service which has been approved by Manatee County.**

62. Please advise Manatee County the 10 year warranty specification requested in specification 02615 -2 is not available for any of the linings requested – 1 YEAR max

**Response: Industry standard is acceptable.**

63. Confirm single strands of wire are approved for directional drills – the specification states single and double strands – please confirm.

**Response: Two tracer wires are required. Section 02619, 3.08.M states, for non-conductive installations, externally attach two (2) tracer wires; see Section 2.01 – Materials, Part I above, to the top of product pipe and secure in place with duct tape or 10 mil thickness polyethylene pressure sensitive tape at every joint and at 5 foot intervals.**

64. Please confirm fusion bond epoxy approved on the C153 fittings – 02615-2

**Response: All ductile iron pipe and fittings used in wastewater sewer systems shall have a factory applied dry film thickness 40-mil Protecto 401 or 40-mil Novocoat SP2000W amine cured novalac ceramic epoxy lining on the inside. The interior lining application is to be based on the manufacturer's recommendation for long-term**

**exposure to raw sewage. To ensure a holiday-free lining, documentation must be provided, prior to shipment, showing each section of lined pipe has passed holiday testing at the time of production per ASTM G62. The lining shall have a minimum ten year warranty covering failure of the lining and bond failure between liner and pipe.**

**Exterior coatings for ductile iron pipe and fittings used in wastewater systems shall be either an asphaltic coating per AWWA C151 or a factory-applied epoxy coating per AWWA C550.**

65. Please confirm the 36" SDR21 IPS casing can be black in color

**Response: The 36-inch SDR21 IPS casing may be black in color.**

66. Please confirm casing spacers will not be required for the 24" x 36" - they will not work due to binding in deflection

**Response: Per the plans and specifications, casing spacers will not be required.**

67. Can the existing lift station power be utilized for by-pass pumping should an electric pump be utilized?



**Response: The existing lift station power may not be used. Electrical service and meter would need to be obtained separately.**

68. Per Section 01030, the costs for obtaining all permits shall be borne by the Contractor. Please indicate the amount the permits shall cost so that we may include this in our bid.

**Response: Manatee County Right-of-Way permit will be required. Contractor to coordinate permit costs with Manatee County Public Works Department - (941) 708-7409 or by e-mail at [matt.merucci@mymanatee.org](mailto:matt.merucci@mymanatee.org).**

**Manatee County Tree Removal Permits may be required if Contractor deems it necessary to remove trees on private property.**

69. Please confirm the Chain link fence and Gates details are provided and required per the Manatee county standard construction details and this information is available online.

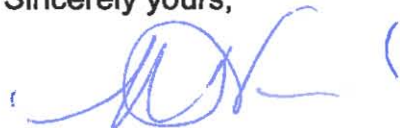
**Response: Details and specifications for the gate have been provided and are shown on Sheet 32 and Specification Section 02444.**

70. Does the County have or have access to a Vehicle Count / Calculation of flow of traffic for the affected areas of Construction?

**Response: At this time, vehicle counts/calculations of flow of traffic are unavailable.**

Bids will be received at the Manatee County Procurement Division, 1112 Manatee Avenue West, Suite 803, Bradenton, FL 34205 **February 24, 2017 at 3:30 PM.**

Sincerely yours,



Melissa M. Wendel,  
CPPO, Purchasing Official  
Procurement Division

OV (56 total pdf pages attached)  
(8 Excel "Locked Bid Forms" attached)