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Bradenton, FL 34205
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Solicitation Addendum

Addendum No.: 4
Solicitation No.: 20-TA003307BB
Solicitation Title: Palmetto Point Water Main Replacement
Addendum Date: May 22, 2020
Procurement Contact: Brooke Baker

IFBC No. 20-TA003307BB is amended as set forth herein. Responses to questions posed by prospective bidders are provided below. This addendum is hereby incorporated in and made a part of IFBC No. 20-TA003307B.

CHANGE TO:

DATE, TIME AND PLACE DUE

The Due Date and Time for submission of Bids in response to this IFBC is May 29, 2020 at 2:30 P.M. ET. Bids must be delivered to the following location: Manatee County Administration Building, 1112 Manatee Ave. W., Suite 803, Bradenton, FL 34205 prior to the Due Date and Time.

CHANGE TO:

SECTION A, PARAGRAPH A.01, BID DUE DATE

The Due Date and Time for submission of Bids in response to this Invitation for Bid (IFBC) is May 29, 2020 at 2:30 P.M. ET. Bids must be delivered to the following location: Manatee County Administration Building, 1112 Manatee Ave. W., Suite 803, Bradenton, FL 34205 and time stamped by a Procurement representative prior to the Due Date and Time.

Due to the Manatee County Administration Building being closed in response to the current COVID-19 pandemic, Bidders who wish to hand-deliver Bids prior to the Due Date and Time shall contact the Procurement Division at (941)749-3014 upon arrival at the Manatee County Administration Building. A Procurement representative shall meet Bidder or Bidder's representative at the Manatee County Administration Building's main entrance and receive the Bid while maintaining the current social distancing guidelines. The Bid shall be time stamped by the Procurement representative prior to the Due Date and Time.

Bids received after the Due Date and Time will not be considered. It will be the sole responsibility of the Bidder to deliver its Bid to the Manatee County Procurement Division for

receipt on or before the Due Date and Time. If a Bid is sent by U.S. Mail, courier or other delivery services, the Bidder will be responsible for its timely delivery to the Procurement Division. Bids delayed in delivery will not be considered, will not be opened at the virtual public opening, and arrangements will be made for their return at the Bidder's request and expense.

CHANGE TO:

SECTION A, PARAGRAPH A.03, PUBLIC OPENING OF BIDS

Bids will be opened immediately following the Due Date and Time at the Manatee County Administration Building, Suite 803 in the presence of County officials. Bidders or their representatives may attend the Bid opening virtually by accessing the link below.

Zoom® Webinar Link: <https://manateecounty.zoom.us/j/84513526442>

Manatee County will make public at the opening the names of the business entities which submitted a Bid and the total bid price submitted. No review or analysis of the Bids will be conducted at the Virtual Bid Opening.

CHANGE TO:

SECTION A, PARAGRAPH A.51, SOLICITATION SCHEDULE

The following schedule has been established for this Solicitation process. Refer to the County's website (www.mymanatee.org > Business > Bids & Proposals) for meeting locations and updated information pertaining to any revisions to this schedule.

Scheduled Item	Scheduled Date
No Solicitation Information Conference is scheduled for this solicitation	N/A
Question and Clarification Deadline	April 14, 2020
Final Addendum Posted	<u>May 22, 2020</u>
Bid Response Due Date and Time	<u>May 29, 2020, 2:30 PM, ET</u>
Due Diligence Review Completed	<u>June 5, 2020</u>
Projected Award	<u>June 2020</u>

REPLACE:

APPENDIX J, BID PRICING FORM

Replace Appendix J, Bid Pricing Form with the revised Appendix J, Bid Pricing Form issued with this Addendum No. 4. Bidders shall use the revised Appendix J, Bid Pricing Form issued with this Addendum No. 4 for Bid submittal.

ADD:

BID ATTACHMENT 5, REPORT OF GEOTECHNICAL EXPLORATION

Bid Attachment 5, Report of Geotechnical Exploration, issued with this Addendum No. 4, is hereby incorporated in and made a part of IFBC No. 20-TA003307BB.

ADD:

BID ATTACHMENT 6, CONTRACT DOCUMENTS FOR PALMETTO POINT WATER MAIN REPLACEMENT

Bid Attachment 6, Contract Documents for Palmetto Point Water Main Replacement, issued with this Addendum No. 4, is hereby incorporated in and made a part of IFBC No. 20-TA003307BB.

ADD:

BID ATTACHMENT 7, UTILITY APPROVED PRODUCT LIST

Bid Attachment 7, Utility Approved Product List, issued with this Addendum No. 4, is hereby incorporated in and made a part of IFBC No. 20-TA003307BB.

QUESTIONS AND RESPONSES:

Q1. What is the engineer's estimated opinion of cost?

R1. The engineer's estimated opinion of cost is \$8,055,518.90.

Q2. Reference Plan Sheet 02, General Notes, Note 19, how is the Contractor to know if any of these conditions exist and how are we to include costs for this work in our bid? Please add a bid item for this scope of work.

R2. Manatee County will furnish and install the Backflow Prevention Assemblies (BPAs).

Q3. Reference Plan Sheet 02, General Notes, Note 20, reference in this note to the Plumber selecting and installing a pressure relief valve for installation with the backflow preventer assembly, BFA, please provide a bid item for the pressure relief valve with an arbitrary quantity as we cannot bid something we cannot quantify.

R3. Manatee County will furnish and install the Backflow Prevention Assemblies (BPAs).

Q4. Reference Plan Sheet 02, General Notes, Note 21, please provide a bid item with an arbitrary quantity for the "additional RP BPA" as we cannot bid something we cannot quantify.

- R4. Manatee County will furnish and install the Backflow Prevention Assemblies (BPAs).
- Q5. Please add a bid item for the plumbing permits that will be needed. Manatee County, on other previously bid water main replacement projects, included a bid item for permits the plumber would procure and an established price for the permit would be made available in the bid documents.**
- R5. Plumbing services for installation of the Backflow Prevention Assemblies (BPAs) will be performed by Manatee County.
- Q6. Reference Plan Sheet 02, General Notes, Note 22, we do not know how many vacuum breakers will be needed as we do not know how many hose bibbs there will be, please provide a bid item for the vacuum breakers.**
- R6. The existing meters, and accouterments, shall remain in-place and new service connections established.
- Q7. Reference Bid Form, Bid Item 41, Utility Fixture, Meter & Box, Furnish & Install, what size meters are we to furnish, 3/4" or 1"?**
- R7. Please refer to the updated Bid Item 41. The existing meters will remain in-place.
- Q8. With regard to Bid Item 41, the plans show two (2) different scopes of work regarding meters, for example, on Plan Sheet 47 we are told "F&I; Water Meter & Water Service Connection to New Water Main (TYP)" and on the same sheet, as well as others, the note will read "F&I: Water Meter, Backflow Prevention Device & Water Service Connection to New Water Main", the second example will require more material and more cost and neither of these notes mention anything about a new meter box as the bid item so describes. Please clarify if we are to include a new meter box for each scenario and break these two (2) scopes of work into separate bid items.**
- R8. Manatee County will furnish and install the Backflow Prevention Assemblies (BPAs) and the existing meters will remain in-place. Please see updated Bid Item 41.
- Q9. Reference Plan Sheet 106, Typical Road Water Main Crossing Detail, this drawing shows the PVC pipe connecting to the ductile iron pipe, D.I.P., directly without using any mechanical joint sleeves for transitioning from one type of pipe to the other, will direct connections from PVC to D.I.P. be allowed as this drawing shows, or will mechanical joint sleeves be required at each change of pipe type?**
- R9. PVC and DIP may be connected per the manufacturers' recommendations and restrained in accordance with Manatee County's engineering detail.
- Q10. Reference Plan Sheets, Typical Note – F&I: Water Meter, Backflow Prevention Device & Water Service Connection to New Water Main, there is no bid item for the Backflow Prevention Devices, and the Measurement and Payment section for this bid item does not tell us to include them, where does the Contractor get compensated for these?**
- R10. Manatee County will furnish and install the Backflow Prevention Assemblies (BPAs).

- Q11. Reference Plan Sheet 06, at approximately station 18+50, Existing Hydrant (To Be Removed), there is no pay item for this scope of work, how does Contractor get paid for this and who takes ownership of the old hydrant? Please add a bid item for hydrant removal.**
- R11. Removal of Fire Hydrants shall be included in Bid Item No. 4 and the County will maintain ownership.
- Q12. Reference Plan Sheet 08, in lieu of the Certa-Lok pipe by directional drill, can Fusible C-900, DR-18 PVC pipe installed by directional drill be used?**
- R12. The use of Fusible C-900 will not be considered.
- Q13. Reference specifications Section 01150, Measurement and Payment, page 14 / 505, Bid Item – Water Service Connection, Polyethylene, Furnish & Install 1”, first paragraph, last sentence, please remove this sentence from this paragraph. No one televisions or mandrels a one-inch pipe.**
- R13. Enhanced testing methodologies such as televising and/or mandrel pulling is encouraged; however, these activities will not be a required component of the testing program.
- Q14. Are there any soil borings for the job? If so, please provide.**
- R14. A geotechnical investigation has been performed and a Geotechnical Report is attached.
- Q15. Are we to assume the long side water services will have to be installed by directional drill?**
- R15. It is anticipated that the long side water services will be installed by means of directional drill.
- Q16. Reference Plan Sheets that show connections to existing water main that will require use of a mechanical joint sleeve, there are no pay items for these connections, please provide.**
- R16. Please refer to Bid Items 46-48 with regard to 2”, 6”, and 8” Unions respectively.
- Q17. Reference Plan Sheet 56, Station 702+91.9, Ex. Fire Hydrant Remove, Relocate and Connect to New WM, please add a bid item for this scope of work.**
- R17. Removal of Fire Hydrants shall be included in Bid Item No. 4.
- Q18. Reference Bid Form, Bid Item 57, Full Concrete Base, Furnish & Install, unable to find this work, where is it at?**
- R18. Bid Item 57 will accommodate full concrete base restoration in the event of encountering concrete roadway structures in lieu of flexible pavement.
- Q19. Reference Plan Sheet 02, Hatching Legend, this legend does not designate where Full Concrete Base work would be installed, please clarify.**
- R19. Full Concrete Base locations have not been hatched. Bid Item 57 will accommodate full concrete base restoration in the event of encountering concrete roadway structures in lieu of flexible pavement.

- Q20. With regard to Full Concrete Base, please provide a specification and a detail drawing that will give the thickness, compressive strength, reinforcement, if necessary, and any other information we will need in order to bid this item.**
- R20. In the event of Full Concrete Base replacement, Urban Drive detail 101.1 shall apply.
- Q21. Reference Bid Form, Bid Item 55, please confirm that this is the asphalt to be used at the areas designated as “Asphalt Restoration Limits”, shown in the Hatching Legend on Plan Sheet 02.**
- R21. The Bid Form and Asphalt restoration limits have been updated and clarified.
- Q22. If Bid Item 55 is to be used at the areas designated as “Asphalt Restoration Limits” as shown in the Hatching Legend on Plan Sheet 02, are we to include costs for 8-inch Crushed Concrete base material, as shown in Detail UG-12 on plan sheet 112, in this bid item?**
- R22. The Bid Form and Asphalt restoration limits have been updated and clarified.
- Q23. Reference Bid Item 55, the bid quantity of 336-ton equates to 672,000-pounds, divided by, theoretically, 165-pounds of asphalt per square yard at 1-1/2” thick, equals 4,073 square yards of surface area that will need base material, why not add a bid item for the base material that will be needed for the areas designated as “Asphalt Restoration Limits”?**
- R23. The Bid Form and Asphalt restoration limits have been updated and clarified.
- Q24. Reference Specifications, there are two (2) Sections 01150, Measurement and Payment, first, pages 7/505 through 16/505, these pages reflect the bid items on the bid form, second, pages 46/505 through 53/505, these pages do reflect only a few of the bid form bid items. Please review and revise to assemble a corrected Measurement and Payment section.**
- R24. The Measurement and Payment sections have been updated.
- Q25. Reference specifications, Section 01590, County’s Field Office, is this really necessary? It is a waste of taxpayer’s money!**
- R25. A field office will not be required.
- Q26. Please provide the County’s latest Approved Product List.**
- R26. The County’s Approved Product List is attached.
- Q27. Reference Specifications, there are several Sections in this book that are not pertinent to the scope of work for this job and should not be there, printing this book wasted a lot of paper as a result.**
- R27. Digital specification review is encouraged, and non-pertinent specification sections will be considered for omission.
- Q28. Please clarify the roadway base material and required thickness.**
- R28. The roadway base shall be restored in accordance with detail UG-12, 403.3, and as described in Section 02575.

- Q29. Are all services required to have a backflow preventer device?**
R29. Manatee County will furnish and install the Backflow Prevention Assemblies (BPAs).
- Q30. Are backflow preventer devices required to be installed, inspected, and tested by a licensed plumber?**
R30. Manatee County will furnish and install the Backflow Prevention Assemblies (BPAs).
- Q31. Reference Plan Sheet 38. Regarding the multiple meters for apartments, please confirm the vault will be required per UW-18. Please also confirm the service size and provide a pay item for these multi-meters.**
R31. The existing meters shall remain in-place and service re-established.
- Q32. Reference Pay Item 41. Please confirm whether or not the County will furnish the meters.**
R32. The existing meters shall remain in-place and service re-established.
- Q33. Will HDPE be acceptable for long side service casings?**
R33. Casings shall be steel.
- Q34. Please confirm it is the design intent not to open cut services across the roadway.**
R34. It is indeed the design intent to horizontal directional drill the long-side services.
- Q35. Please consider providing sod as a separate quantified unit price line item.**
R35. A sodding bid item has been added.
- Q36. Reference Plan Sheet 8. It does not appear Certalok joint tolerances allow for construction as shown on the profile.**
R36. A bore plan shall be submitted for review and approval prior to drill commencement; the bore plan shall ensure joint tolerances meet manufacturer recommendations.
- Q37. It appears there are many trees within the ROW in conflict with the work. Per 1.08.B.3, please consider providing quantified unit price line items for tree replacements.**
R37. A tree replacement Bid Item has not been added.
- Q38. Reference Plan Sheet 106. Please confirm sleeves are not required when connecting DIP with PVC pipe.**
R38. PVC and DIP may be connected per the manufacturers' recommendations.
- Q39. Reference Plan Sheets 5-12. If available, please provide the Profile Existing Grade Line @ CL Construction.**
R39. Design files, including topographic data, will be provided electronically in .DWG format. Grade Lines may be prepared from the design files.

- Q40. Please confirm the UW-9 provided is the ARV detail intended to be utilized for construction.**
R40. Yes; UW-9 shall be utilized for above ground ARVs.
- Q41. Reference Bid Items 43 & 44. Please confirm you wish for 1” poly services to be TV or mandrel, and to have double tracer wires installed.**
R41. Testing methodologies such as televising and/or mandrel pulling service connections will not be a required component of the testing program. Installation of double tracer wire is required.
- Q42. Please provide a geotechnical report.**
R42. A Geotechnical Report is attached.
- Q43. Please clarify which permits are intended to be provided by the Owner and which are intended to be provided by the Contractor.**
R43. All permits are intended to be provided by the Contractor.
- Q44. Please confirm a County field office will be required.**
R44. A County field office will not be required.
- Q45. Please clarify what specifically is included within the bid item for hydrant assembly.**
R45. All items presented in Detail UW-5 and as described in the Specifications are to be included in the Bid Item for hydrant assembly.
- Q46. Please provide separate bid items for single services and double services (both with and without backflows), multi-services, and the triple service.**
R46. Additional Bid Items have not been added.
- Q47. Please provide a bid item for a 10” x 8” reducer.**
R47. The 10” x 8” Reducer has been added to Bid Item 35 of which also includes the 8” x 6” Reducer.
- Q48. Please provide a bid item for a 12” x 6” reducer.**
R48. The 12” x 6” Reducer has been added to Bid Item 36 of which also includes the 12” x 4” Reducer.
- Q49. Please provide a bid item for hydrant relocation and clarify what should be included.**
R49. An additional Bid Item has not been added. Fire Hydrant removals/relocations shall be included in Bid Item 4.
- Q50. Please confirm that the unions within the unit line items are for grouting, and will be paid for by the EA, rather than within the grouting pay item.**
R50. Bid Items 46, 47, and 48 are for unions 2”, 6”, and 8” and will be quantified as each (EA). Unions utilized for the grouting operation shall be included in the grouting Bid Item.

- Q51. Please confirm the material for all tie-ins and grouting. It appears much of the WM being replaced is asbestos concrete, but the plans call for MJ sleeves. Please consider adding a line item for Hymax couplings.**
- R51. An additional Bid Item has not been added. Accoutrements necessary for the complete installation and activation of the system shall be included in the applicable utility pipe bid item and/or alternate bid items.
- Q52. Please confirm the extents, if any, where the existing pipe needs to be restrained.**
- R52. The existing pipe shall be restrained in accordance with UG-8 and UG-9.
- Q53. Please review the 6" HDD quantity. The line item does not appear to be sufficient.**
- R53. The 6" HDD quantity will be reviewed. The quantities are provided for reference and are approximate, the Contractors shall confirm all plan quantities.
- Q54. Please review Sheet 22 for fitting and valve leaders and quantities.**
- R54. Leader lines and plan quantities remain unchanged.
- Q55. Is 326 47th St. W. available for use as a construction laydown yard?**
- R55. No.
- Q56. Please detail if the below privately-owned items within the ROW will be required for replacement. If so, please consider adding pay items accordingly.**
- a. Irrigation
 - b. Fencing
 - c. Specialty mailboxes
 - d. Landscaping
 - e. Trees
 - f. Brick paver driveways
 - g. Low voltage lighting
 - h. General power service
- R56. Any and all existing improvements within the ROW shall be replaced to existing or better condition.
- Q57. Are there any records available where the underground communication lines are within the project extents?**
- R57. All available utility records will be provided upon award.
- Q58. Please consider adding a pay item for shell driveway restoration.**
- R58. An additional Bid Item has not been added. Driveway replacement shall be included in Bid Item 55.
- Q59. Reference Plan Sheet 03, Traffic Notes & Special Conditions, Note 33, this note states that service connections installed by open cut will be restored per County Detail 403.3, there are going to be a lot of long side services and as a result a lot of open cut trenches and according to Detail 403.3 each will have to receive an asphalt overlay 25-feet in each direction of the open cut, how does the Contractor get paid for the asphalt overlay work as well as the asphalt patch, base and sub-base work over the pipe trench as County Detail 403.3 shows on plan sheet 119?**

- R59. It is recommended that the long-side services be installed by means of directional drill.
- Q60. Reference Plan Sheet 119, Road Connection Detail 403.3, what is the thickness of the asphalt overlay, the asphalt patch, the proposed base and proposed sub-base supposed to be?**
- R60. The roadway base shall be restored in accordance with detail UG-12, 403.3, and as described in Section 02575.
- Q61. Regarding the Specification for Hydraulic Cement appearing in Section 07100 “Waterproofing, Dampproofing & Caulking”, Page 319, Paragraph 2.03 A. It cannot be bid by a Contractor as it is written. The product as specified does not exist as it is are currently named and described. Waterplug was discontinued. Thoro System Products no longer exists. The acceptable equivalent and locally commercially available product for your specified need manufactured by UGL is “DRYLOK FastPlug Hydraulic Cement”. I have attached information on this product. Please consider accepting DRYLOK FastPlug Hydraulic Cement as an “or-equal” for this project to allow Contractors to bid a readily available equivalent. I respectfully request you consider DRYLOK FastPlug Hydraulic Cement as an equivalent and include in an upcoming Addendum.**
- R61. DRYLOK will be considered as an approved equal.
- Q62. The project specification book includes the Manatee County 2015 standards. Are we to include the 2020 APL Manatee County Standards? If so, please provide the APL we are to use. There are multiple versions in publication.**
- R62. The County’s Approved Product List is attached.
- Q63. Confirm the all of the ductile iron water mains under pavement do not require restraints. The restraint table provided will restrain most of it but not all of it.**
- R63. Joint restraints will not be required beyond the lengths stated in the restraint table. It is anticipated that all water mains under pavement will be restrained.
- Q64. The C900 shown in the profiles for sheets 10, 11, 14, and 50 will need di bends to accommodate the deflection.**
- R64. Deflections exceeding manufacturer recommendations shall utilize DI fittings.
- Q65. Is a jumper required for the 16x12 wet tap shown on sheet 38? If so, confirm size.**
- R65. No.
- Q66. Do we simply plug the back of the BFP device? Or do we leave a whip for future connection?**
- R66. Manatee County will furnish and install the Backflow Prevention Assemblies.
- Q67. On the General Notes, Sheet 2, Numbers 19 through 23 states that the Contractor is responsible for backflows and I am assuming the permits that go along with them including a licensed plumber. Also, they are called out**

throughout the plans. I do not see a pay item for this scope of work. I am requesting that one be added to the bid form.

R67. Manatee County will furnish and install the Backflow Preventer Assemblies (BPAs).

Q68. Will the Contractor be able to set up detours for the road way crossings?

R68. Yes, detours will be considered; and detour plans shall be submitted for review and approval.

Q69. On the bid form pay item # 41 calls for a meter and box. Is the meter provided by the County or the Contractor? What size meter? Please clarify.

R69. The existing meters shall remain in-place and service re-established.

Q70. Do to the COVID-19 outbreak how does Manatee County plan on conducting this bid opening on 4/28/2020? Will it be postponed to a different bid due date? Is the County building open to the public? If the Contractor decides not to attend the bid opening can the County provide a call-in number so the Contractor can hear the results? Please clarify.

R70. Refer to the "Change To" section of this Addendum No. 4 for Virtual Public Bid Opening instructions.

Q71. Pay item 56 full concrete base 6200 sy. Please clarify what this item is for and where is it. I do not see a detail for this item.

R71. Pay item 56 is intended to accommodate the replacement of concrete base as required in lieu of flexible pavement.

Q72. Are there any limitations on how the project is to be built? Can the awarded Contractor mobilize multiple crews ie: pipe, grading, testing etc. to work on the overall site?

R72. Limitations on the number of crews has not been established.

Q73. How will the County acceptance /certification process work with respect to the new system being put into service and Contractor being able to start the grouting process for the existing main?

R73. It is the design intent for the new system, or segments thereof, to be fully operational prior to grouting of the existing pipeline. New pipelines will be accepted upon completion of the testing requirements.

Q74. Does the County anticipate the Contractor leaving for any period of time and then remobilizing to grout and do the mill and overlay, or will all work be continuous from start to finish?

R74. Contractors are encouraged to complete the project in a continuous manner.

Q75. The project specification book includes the Manatee County 2015 standards. Are we to include the 2020 APL Manatee County Standards? If so, please provide the APL we are to use. There are multiple versions in publication.

R75. The County's Approved Product List is attached.

- Q76. Confirm the all of the ductile iron water mains under pavement do not require restraints. The restraint table provided will restrain most of it but not all of it.**
R76. Joint restraints will not be required beyond the lengths stated in the restraint table. It is anticipated that all water mains under pavement will be restrained.
- Q77. The Certalok pvc HDD shown on Sheet 8 (stations 29-31) will not accommodate the deflection shown in the profile and leaks are probable. HDPE pipe possibly will be needed for this application. Please confirm if HDPE is an acceptable alternative.**
R77. CertaLok pipe is preferred and fittings will be utilized for deflections exceeding manufacturer recommendations.
- Q78. The C900 shown in the profiles for sheets 10, 11, 14, and 50 will need ductile iron bends to accommodate the deflection. Please advise.**
R78. DI bends are to be included at locations where deflections exceed manufacturer recommendations.
- Q79. Please provide a pay item for (1) 10x8 MJ reducer.**
R79. The 10" x 8" Reducer has been added to Bid Item 35 of which also includes the 8" x "6 Reducer.
- Q80. Please remove the 12x4 MJ reducer as we do not see one on the plans but do see (1) 12x6 MJ reducer. Please add if you agree.**
R80. The Bid Form has been updated.
- Q81. Please add pay items for single long, single short, double long and double short services. The average cost of the services is too wide for a blended average.**
R81. The Bid Form has been updated.
- Q82. Are standard Manatee County meter boxes acceptable for the triple and quad services, or will the County require a vault box as shown on page 118 detail UW-18?**
R82. The existing meters shall remain in-place.
- Q83. Please add a pay item for the multi services shown on sheets 24 & 38.**
R83. The Bid Form has been updated.
- Q84. Is a jumper required for the 16x12 wet tap shown on sheet 38? If so, confirm size.**
R84. No.
- Q85. Do all new water services get a BFP device? Some show it, and some do not. Please provide a pay item and quantity needed.**
R85. Manatee County will furnish and install the BFP.
- Q86. Do we simply plug the back of the BFP device, or do we leave a whip for future connection?**
R86. Manatee County will furnish and install the BFP.

- Q87. Can Fiber Mesh be used in lieu of wire mesh for the driveways?**
R87. Upon award, Fiber Mesh may be considered.
- Q88. Some driveways impacted may have been painted or are brick pavers. Bid item 56 call for concrete. Will the homeowner be responsible to re-paint & or have their pavers removed and replaced at their own expense?**
R88. It is the design intent to abate any and all action from the residents.
- Q89. The plan shows a detail for above and below ground ARV's. The plan sheets do not specify above or below ground. Please advise.**
R89. Above ground ARVs are proposed.
- Q90. Will the homeowners be responsible for connections to the new water services?**
R90. No.
- Q91. Summary of work item 43 water services: Description speaks of mandrel or TV for the PE service pipe. Is this a typo or are we misunderstanding the specifications? If not please advise as to how this service is to be accomplished.**
R91. TVing and/or mandrels will not be required for service connections.
- Q92. Some existing streets do not have stop bars, but only have a stop sign. Will the County require new stop bars at all intersections impacted by the WM installation?**
R92. All pavement markings shall adhere to the current standard.
- Q93. Bid Item 42 hydrant assembly: Are the hydrant 6" tee's and 6" valve accounted for in their respective bid items, or are we to include them as part of the Hydrant Assembly pricing?**
R93. Yes; all accouterments within the Hydrant Assembly detail shall be included in Bid Item 42.
- Q94. Will a mandrel be required to pull through any of the C-900 main line or any of the PVC Certalok boring pipe?**
R94. C-900 pipelines shall be pigged.
- Q95. Bid forms # 15 and specifications speak to the need for a full time Boring specialist. Can the specialist be the owner or employee of the boring installation company?**
R95. Owners and/or employees are not precluded from the specialist classification.
- Q96. Does the County foresee any possible issues with any home owners, should the boring machine need to be placed beyond the right of way to properly install the water service casing pipe crossing the roadway?**
R96. The Contractors shall consider the impact to the residence and minimize disruption to the most extent possible. All construction activities shall be maintained within the ROW unless otherwise directed.
- Q97. Does the asphalt tonnage quantity in line item 55 account for the temporary patch work for the main line road crossings?**

- R97. No.
- Q98. Reference Plan Sheet 15, Plan View, upper left corner, shouldn't the F&I 43LF OF 6" DIP WM that is coming off of a 6"x4" tee, be 4-inch ductile pipe?**
- R98. Yes.
- Q99. Reference Plan Sheet 15, at Sta. 34+86.5, 27.71' LT, shouldn't there be two (2) 4-inch 45-degree bends instead of one (1)?**
- R99. Yes.
- Q100. Reference Plan Sheet 38, at Sta. 109+66.1, 12.43' LT, shouldn't these two (2) 4-inch 45-degree bends be two (2) 6-inch 45-degree bends?**
- R100. Yes.
- Q101 Reference Bid Form, Bid Item 19, 4" 90 Degree Elbow, bid quantity shows 4- each plans show 0-each, where are these?**
- R101. The Bid Form has been updated.
- Q102. Reference Plan Sheet 22, at approximately station 52+80 there are 4-each fittings that are not identified and then are not included in the bid quantity for the type of fitting they are, please review.**
- R102. The Bid Form has been updated.
- Q103. Reference Bid Form, Bid Item 12, 6-Inch Ductile Iron Pipe, bid quantity shows 2,610LF, plans show 2,929LF, please review.**
- R103. The Bid Form has been updated.
- Q104. Reference Bid Form, Bid Item 23, 6-inch 90-degree elbow, bid quantity shows 6-each, plans show 10-each, please review.**
- R104. The Bid Form has been updated.
- Q105. Reference Plan Sheet 29 at station 93+31, the call out for a 6"x6" tee, now look at Plan Sheet 33, shouldn't the tee on Sheet 29 be called out as a 6"x4" tee? Please clarify.**
- R105. The Bid Form has been updated.
- Q106. Reference Bid Form, Bid Item 26, 6"x4" Tee, bid quantity shows 6-each, plans show 8-each, please review.**
- R106. The Bid Form has been updated.
- Q107. Reference Plan Sheet 115, Detail UW-5, Notes, Note 11, is this referring to the valve on the hydrant lead pipe or is there supposed to be a valve at each side of the tee on the run side of the tee? Please clarify, as the drawings do not show valves at either side of the hydrant tees.**
- R107. Please refer to the Plan Sheets for valve locations; valves may have been omitted for cost savings.
- Q108. Reference Bid Form, Bid Item 8, 8-inch PVC pipe, bid quantity shows 207LF, plans show 260LF, please review.**

- R108. The Bid Form has been updated.
- Q109. Reference Bid Form, Bid Item 11, 4-inch ductile iron pipe, bid quantity shows 121LF, plans show 164, please review.**
- R109. The Bid Form has been updated.
- Q110. Reference Bid Form, Bid Item 12, 6-inch ductile iron pipe, bid quantity shows 2,610LF, plans show 2,929LF, please review,**
- R110. The Bid Form has been updated.
- Q111. Reference Plan Sheet 25, Station 73+34, the 10"x8" reducer, there is no bid item for this fitting, please add bid item.**
- R111. The Bid Form has been updated.
- Q112. Reference Bid Form, Bid Item 36, F&I 12"x4" reducer, cannot find this size, but did find a 12"x6" reducer on plan sheet 38, but there is no pay item for size reducer, please review.**
- R112. The Bid Form has been updated.
- Q113. Reference Plan Sheet 8, at station 27+35, there is no call out for the 6-inch valve, please review.**
- R113. A 6" valve is to be included at Sta 27+35, RT.
- Q114. Reference Plan Sheet 38, the two short side multiple meter services, now reference Plan Sheet 118, Detail UW-18, what size is the service pipe from the main to the gate valve supposed to be?**
- R114. The existing meters will remain in-place.
- Q115. Reference Plan Sheet 118, Detail UW-18, please provide a specification for the multiple meter box.**
- R115. The existing meters will remain in-place.
- Q116. Reference Bid Form, Bid Item 43, Short Water Service Connection, bid quantity shows 135-each, plans show 148-each, please review.**
- R116. The Bid Form has been updated.
- Q117. Reference Bid Form, Bid Item 44, Long Water Service Connection, bid quantity shows 151-each, plans show 137-each, please review.**
- R117. The Bid Form has been updated.
- Q118. Reference Bid Form, Bid Item 45, Air Release Valve Assembly, bid quantity shows 9-each, plans show 10-each, please review.**
- R118. The Bid Form has been updated.
- Q119. Reference Plan Sheet 24, the long side service at approximately station 68+35, this appears to be a triple service, what size service pipe from the main to the meter bank are we bidding on?**
- R119. Existing meters shall remain in-place and new service connections shall be replaced with the same size. It is understood that one-inch pipe serves the existing meters.

Q120. Reference Bid Form, Bid Item 58, this is an unfair way to treat the Contractor, bid items for Bahia sod, St Augustine sod, concrete headwalls at driveway culverts, driveway culvert pipe, storm drainage pipe, mailboxes and ornamental landscape items should be added to the bid form. Having conducted a site visit and looking at existing conditions it is clear that Bid Item 58 was designed as an easy way out and pricing for this item from perspective bidders is going to be all over the place. The County will not be getting an apples-to-apples bid for this item. It will be impossible to install the new water main pipe immediately adjacent to and at a lower elevation than the driveway culvert pipe and drainage collection pipe and not have to remove and reinstall these pipes. The majority these pipes are old and in bad shape, bid items to furnish and install the above-mentioned items need to be added to the bid form.

R120. The Bid Form has been updated.

Q121. It was also noticed that Verizon and Frontier communications cable boxes were present and occupying the same alignment as the proposed water main on some of the streets we looked at and these boxes are not shown on the plans, the design of the location for the new water main at these areas needs to be revisited.

R121. Existing infrastructure not identified within the drawings will be assessed.

Q122. Will there be a GEO report provided for this project?

R122. A Geotechnical Report is attached.

Q123. Will the County identify which properties require backflow preventer assembly and if multiple are needed?

R123. The County will furnish and install the backflow preventers.

Q124. Are there any restrictions as to where dewatering may be discharged?

R124. The Contractor shall adhere to dewatering restrictions set forth in the NPDES permit.

Q125. Reference Plan Sheets 116 and 117, each of these sheets has a detail for an air release, which one of these details are we bidding on? Please clarify.

R125. The above ground ARV is proposed.

NOTE: Items that are ~~struck through~~ are deleted. Items that are underlined have been added or changed. All other terms and conditions remain as stated in the IFBC.

END OF ADDENDUM

INSTRUCTIONS:

Receipt of this addendum must be acknowledged as instructed in the solicitation document. Failure to acknowledge receipt of this Addendum may result in the response being deemed non-responsive.

AUTHORIZED FOR RELEASE

APPENDIX J, BID PRICING FORM

APPENDIX J, BID PRICING FORM - REVISED ADDENDUM NO. 4
 IFBC NO. 20-TA003307BB
 PALMETTO POINT WATER MAIN REPLACEMENT
 BASED ON A COMPLETION TIME OF 548 CALENDAR DAYS

ITEM NO.	DESCRIPTION	QTY	U/M	UNIT PRICE	EXTENDED PRICE (UNIT PRICE X QTY)
1	MOBILIZATION, DEMOBILIZATION, BONDS, AND PERMITS	1	LS		
2	MAINTENANCE OF TRAFFIC AND PEDESTRIAN SAFETY	1	LS		
3	EROSION AND SEDIMENTATION CONTROL	1	LS		
4	UTILITY PIPE, PLUG & PLACE OUT OF SERVICE	25,678	LF		
5	UTILITY PIPE- POLY VINYL CHLORIDE (HDD), FURNISH & INSTALL, WATER, 6"	290	LF		
6	UTILITY PIPE- POLY VINYL CHLORIDE, FURNISH & INSTALL, WATER, 4"	3,063	LF		
7	UTILITY PIPE- POLY VINYL CHLORIDE, FURNISH & INSTALL, WATER, 6"	18,924	LF		
8	UTILITY PIPE- POLY VINYL CHLORIDE, FURNISH & INSTALL, WATER, 8"	207	LF		
9	UTILITY PIPE- POLY VINYL CHLORIDE, FURNISH & INSTALL, WATER, 10"	235	LF		
10	UTILITY PIPE- POLY VINYL CHLORIDE, FURNISH & INSTALL, WATER, 12"	297	LF		
11	UTILITY PIPE- DUCTILE IRON/CAST IRON, FURNISH & INSTALL, WATER, 4"	164	LF		
12	UTILITY PIPE- DUCTILE IRON/CAST IRON, FURNISH & INSTALL, WATER, 6"	2,980	LF		
13	UTILITY PIPE- DUCTILE IRON/CAST IRON, FURNISH & INSTALL, WATER, 8"	26	LF		
14	UTILITY PIPE- DUCTILE IRON/CAST IRON, FURNISH & INSTALL, WATER, 10"	37	LF		
15	UTILITY PIPE- DUCTILE IRON/CAST IRON, FURNISH & INSTALL, WATER, 12"	58	LF		
16	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL 11¼° ELBOW, 4"	1	EA		
17	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL 22½° ELBOW, 4"	3	EA		
18	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL 45° ELBOW, 4"	9	EA		
19	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL 90° ELBOW, 4"	4	EA		
20	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL 11¼° ELBOW, 6"	13	EA		
21	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL 22½° ELBOW, 6"	9	EA		
22	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL 45° ELBOW, 6"	158	EA		
23	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL 90° ELBOW, 6"	6	EA		
24	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL 45° ELBOW, 8"	4	EA		
25	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL 11¼° ELBOW, 12"	2	EA		
26	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL TEE, 6"x4"	6	EA		
27	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL TEE, 6"x6"	74	EA		
28	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL TEE, 8"x6"	1	EA		
29	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL TEE, 10"x6"	1	EA		
30	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL TEE, 12"x6"	1	EA		
31	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL TEE, 12"x10"	1	EA		
32	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL TAPPING SLEEVE AND VALVE, 16"x12"	1	EA		
33	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL REDUCER, 4"x2"	1	EA		
34	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL REDUCER, 6"x4"	2	EA		
35	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL REDUCER, 8"x6" and 10" x 8"	2	EA		
36	UTILITY FITTINGS, DUCTILE IRON/CAST IRON, FURNISH & INSTALL REDUCER, 12"x4" and 12" x 6"	2	EA		
37	UTILITY FIXTURE, GATE VALVE ASSEMBLY, FURNISH & INSTALL, 4"	8	EA		
38	UTILITY FIXTURE, GATE VALVE ASSEMBLY, FURNISH & INSTALL, 6"	94	EA		
39	UTILITY FIXTURE, GATE VALVE ASSEMBLY, FURNISH & INSTALL, 10"	1	EA		
40	UTILITY FIXTURE, GATE VALVE ASSEMBLY, FURNISH & INSTALL, 12"	1	EA		
41	WATER SERVICE/METER RECONNECTION	354	EA		
42	UTILITY FIXTURE, HYDRANT ASSEMBLY, FURNISH & INSTALL	31	EA		
43	SHORT WATER SERVICE CONNECTION, POLYETHYLENE, FURNISH & INSTALL, 1"	135	EA		
44	LONG WATER SERVICE CONNECTION, POLYETHYLENE, FURNISH & INSTALL, 1"	151	EA		
45	UTILITY FIXTURE, AIR RELEASE VALVE ASSEMBLY, FURNISH & INSTALL	9	EA		
46	UTILITY FIXTURE, DUCTILE IRON/CAST IRON, FURNISH & INSTALL, UNION, 2"	1	EA		
47	UTILITY FIXTURE, DUCTILE IRON/CAST IRON, FURNISH & INSTALL, UNION, 6"	26	EA		
48	UTILITY FIXTURE, DUCTILE IRON/CAST IRON, FURNISH & INSTALL, UNION, 8"	1	EA		
49	UTILITY FIXTURE, DUCTILE IRON/CAST IRON, FURNISH & INSTALL, CAP/PLUG, 2"	1	EA		

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ITEM NO.	DESCRIPTION	QTY	U/M	UNIT PRICE	EXTENDED PRICE (UNIT PRICE X QTY)
50	UTILITY FIXTURE, DUCTILE IRON/CAST IRON, FURNISH & INSTALL, CAP/PLUG, 4"	1	EA		
51	UTILITY FIXTURE, DUCTILE IRON/CAST IRON, FURNISH & INSTALL, CAP/PLUG, 6"	26	EA		
52	UTILITY FIXTURE, DUCTILE IRON/CAST IRON, FURNISH & INSTALL, CAP/PLUG, 8"	1	EA		
53	MILL AND RESURFACE EXISTING ASPHALT PAVEMENT	22,636	SY		
54	F&I ASPHALTIC CONCRETE ROADWAY STRUCTURE	2,246	TN		
55	DRIVEWAY RESTORATION/REPLACEMENT	2,255	SY		
56	SODDING	29,500	SY		
57	MISCELLANEOUS CLEAN-UP AND RESTORATION	1	LS		
Total Base Bid					
Contract Contingency (10% of Total Base Bid)					
Total Bid with Contract Contingency (Total Base Bid + Contract Contingency)					

BID ATTACHMENT 5, REPORT OF GEOTECHNICAL EXPLORATION

Note: Separate Attachment

**BID ATTACHMENT 6, CONTRACT DOCUMENTS FOR PALMETTO POINT WATER
MAIN REPLACEMENT**

Note: Separate Attachment

BID ATTACHMENT 7, UTILITY APPROVED PRODUCT LIST

Note: Separate Attachment