



1112 Manatee Ave. West
Bradenton, FL 34205
purchasing@mymanatee.org

Solicitation Addendum

Addendum No.: 4
Solicitation No.: 20-TA003315BB
Solicitation Title: Flamingo Cay Water Main Replacement
Addendum Date: May 22, 2020
Procurement Contact: Brooke Baker

IFBC No. 20-TA003315BB 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-TA003315BB.

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 1:30 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 1:30 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/86558414337>

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, 1:30 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.

REPLACE:

BID ATTACHMENT 2, PLANS/DRAWINGS

Replace Bid Attachment 2, Plans/Drawings with the revised Bid Attachment 2, Plans/Drawings issued with this Addendum No. 4.

REPLACE:

BID ATTACHMENT 4, TECHNICAL SPECIFICATIONS

Replace Bid Attachment 4, Technical Specifications with the revised Bid Attachment 4, Technical Specifications issued with this Addendum No. 4.

ADD:

BID ATTACHMENT 8, UTILITY APPROVED PRODUCT LIST

Bid Attachment 8, Utility Approved Product List, issued with this Addendum No. 4, is hereby incorporated in and made a part of IFBC No. 20-TA003315BB.

QUESTIONS AND RESPONSES:

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

R1. The engineer's estimated opinion of cost is \$1,596,072.33

Q2. The pay item quantities provided for backflow prevention assemblies and meter boxes seem inconsistent with notes 3 & 4 on plan sheet 4. Please clarify.

R2. Note 3 and 4 on Sheet 4 have been revised.

Q3. We do not believe it is feasible to remove the inside weld bead of the 16" HDPE casing. Please clarify.

R3. Bidder shall refer to Bid Attachment 4, Technical Specifications.

Q4. Please clarify the specific work activities which are required to be performed by a licensed plumber.

R4. All work to be performed outside of the public right-of-way or existing utility easements on private property, i.e. Backflow prevention assemblies and/or meter box relocations.

Q5. For triple and quadruple meters, please provide a detail. Will underground vaults be required (Manatee County UW-18)?

R5. No underground vaults will be required. Detail UW-20 (from the 2020 Utility Standards updates) has been provided with these responses.

- Q6. Will HDPE be acceptable for long side service casings?**
R6. Casings are to be ASTM 2241, SDR 21 2" min. PVC or HDPE (color coded blue) and extend 2 ft past pavement edge and be within 2 ft of curb stop.
- Q7. Aside from Bid Item 12, are any other permits to be provided by the Contractor?**
R7. Yes, there is a County Right-of-Way Use Permit the Contractor must obtain, there is no fee for County CIP projects.
- Q8. Please confirm the existing pipe material for all tie-ins and grouting points. If asbestos, please consider adding line items for Hymax couplings.**
R8. Couplings have been added to the bid form.
- Q9. Please confirm the extents, if any, where the existing pipe needs to be restrained.**
R9. The existing main out on SR 64 where the cut-in tee is to be installed will need restraining, per detail UG-9 based off the proposed valve requirements.
- Q10. Please detail if the below conflicting items within the ROW will be required for replacement. If so, please consider adding pay items accordingly.**
R10. Bid Item 30 Miscellaneous Restoration has been added.
- a. Irrigation**
R: A bid item has been added.
 - b. Fencing**
R: A bid item has been added.
 - c. Landscaping**
R: Small landscaping and such are considered to be part of clearing and grubbing. If substantial landscaping is encountered, these shall be handled on a case by case basis.
 - d. Mature Trees**
R: Mature trees are usually avoided, and field adjustments are permitted upon approval.
 - e. Brick Pavers**
R: Brick paver driveways are generally avoided with HDD, but if necessary to be removed shall be replaced if necessary. All efforts shall be made to prevent heaving of the brick paver driveways, when directional drilling underneath. Brick paver driveways heaved by drilling shall be repaired at the contractor expense.
 - f. Low Voltage Lighting**
R: The Contractor shall give reasonable notification to each resident ahead of time of a possible conflict and advise the homeowner to remove the items from the work area prior to commencing work. If the homeowner has not complied, then Contractor shall respectfully remove and set the items to the side of the work area in the residence yard.
 - g. Shell**
R: A bid item has been added.
 - h. Stone**
R: A bid item has been added.
 - i. Rock**
R: A bid item has been added.

- Q11. Should any work on the headwalls and/or storm drain adjacent the canals (plan sheets 4-6) require work in correlation with the WM installation, will this be compensated with contingency funds?**
- R11. Any work necessary to complete the scope of work in a satisfactory manner that is not included in an established bid items, lump sum items, etc. by reference shall be reviewed by the County. If approved, payment may be made by the County with contingency funds.
- Q12. What type and size of backflow prevention assemblies will be required for the 2" services on plan sheets 5 & 6?**
- R12. 1-inch.
- Q13. Please clarify the concrete slab pay item quantity (SY vs CY).**
- R13. There is no concrete slab pay item, there is a Miscellaneous Concrete #27 Bid Item, to be used when concrete is placed on site not explicit to another bid items that includes concrete as its requirement, measured and paid for by the cubic yard. (excludes. sidewalk & driveways which have their own bid items).
- Q14. Under what circumstances, if any, will MJ fittings be permitted for installation directly onto HDPE pipe?**
- R14. None. HDPE MJ adapters fused to the ends of the HDPE pipe will be required with MJ fittings and valves along with appropriate hardware.
- Q15. Please provide a pay item for the 12" x 8" Cut-In Tee.**
- R15. A 12"x8" Cut-in Tee has been added to the Bid Form, #18.19.
- Q16. Please provide pay items for the 6" & 8" WM removal on plan sheet 6.**
- R16. The 6" and 8" water mains on Sheet 6 are no longer required to be removed, they shall be grout-filled and abandoned in-place.
- Q17. Please provide a pay item for the 12" thick SP 12.5 asphalt on plan sheet 6.**
- R17. 12" thick SP 12.5 has been added to the Bid Form, #3.04.
- Q18. This project may be a good candidate for Certa-lok due to the limited fusing areas. Will Certa-lok be an allowable alternative to HDPE for directional drilling applications.**
- R18. No, the County currently does not allow PVC to be directionally drilled.
- Q19. The bend radius at the cul-de-sacs are likely not achievable via directional drilling. Please confirm whether or not the Contractor will be able to bore beneath the driveways and open cut between the bores.**
- R19. The proposed method will be acceptable, as long as a HDD machine is used and the pipes are under cut and laid flat. No high spots in the mains that may trap air shall be created transitioning from HDD to direct bury and back again.
- Q20. Pay item #6 on the bid form has a quantity of 6861 sy. With seed & mulch and sod combined. Shouldn't these scopes of work be two separate pay items due to cost difference? Also, with the majority of the home owners having**

maintenance free yards (rock) it looks like this quantity is over inflated. Please clarify where all this sod is being placed at.

R20. There is no seed and mulch options. The Bid Form and Specification have been revised, along with sod, there are now bid items for rock, stone, etc.

Q21. On Sandpiper the plans call out to remove the existing fire hydrant. This hydrant is in paver bricks that will have to be removed. What is the intention in this location as far as restoration. Will this area be sodded? If the pavers are to be placed back there will be a void and the contractor might not be able to match the paver bricks. There is not a pay item for this scope of work. One needs to be added if the pavers need to be placed back.

R21. A brick paver bid item has been added. The Contractor shall coordinate with the County and HOA to see if the HOA wants the brick pavers reinstalled. The brick pavers may need to be installed in a similar pattern around the new fire hydrant location.

Q22. Will there be any night worked required for this project?

R22. FDOT has a provision in their permit (Special FDOT Instructions), "If lane closures for this permit are required, they will be restricted to night-time work during the hours of 9:00 PM to 5:00 AM, only. Failure to comply may result in delay to start work." All lane closures must be approved by the County and FDOT prior to implementation.

Q23. With Covid 19 impacting everyone how will the County conduct the 5/1/2020 bid opening. Please advise.

R23. Refer to the "Change To" section of this Addendum No. 4 for Virtual Public Bid Opening instructions.

Q24. Will materials to be used for this project be required to come from the County's new Approved Products List? Please advise.

R24. Yes.

Q25. How many project signs will be required? Please clarify.

R25. Section 01580, 1.02 A states two project identification signs shall be included.

Q26. Referencing plan sheet 2 and the section covering TMC Fiber and Construction. Note 77 mentions:

TMC FIBER AND CONSTRUCTION

77. CONFLICTS BETWEEN EXISTING FIBER OPTIC CABLE (FOC) AND THE PROPOSED CONSTRUCTION SHALL BE RESOLVED BY THE CONTRACTOR AS FOLLOWS:
- PROPOSED RELOCATION WORK SHALL NOT INCLUDE ANY ADDITIONAL OR NEW SPLICES.
 - FOC SHALL BE REPLACED FROM EXISTING SPLICE POINT TO EXISTING SPLICE POINT (SPLICE POINT LOCATIONS MAY EXCEED THE LIMITS OF THE PROPOSED CONSTRUCTION).
 - ALL FOC ROUTE MARKERS SHALL BE RELOCATED AS NEEDED. THE CONTRACTOR SHALL PROVIDE A PLAN SHEET SHOWING PROPOSED / NEW FOC LOCATION FOR APPROVAL BY MANATEE COUNTY TRAFFIC ENGINEERING.
 - PLACE THE FOLLOWING NOTES ON THIS SHEET:
 - *INSTALL A FIBER OPTIC ROUTE MARKER AT THE PROPOSED PULL BOX AND RESTORE THE FIBER OPTIC LOCATION SYSTEM (I.E., ROUTE MARKERS AND TRUCKER WIRES).
 - *ALL MATERIAL REMOVED SHALL BE REPLACED WITH LIKE KIND TYPE AND SPECIFICATION.
 - *NEW ADVANCED TRAFFIC MANAGEMENT SYSTEM (ATMS) INFRASTRUCTURE SHOULD BE PLACED WHILE LEAVING EXISTING ATMS INFRASTRUCTURE IN PLACE AND INTACT AS LONG AS FEASIBLE TO LIMIT THE DURATION OF SYSTEM DOWN TIME.
 - *THE DEVELOPER WILL NEED TO HIRE A CERTIFIED CONTRACTOR THAT IS LICENSED TO PERFORM THIS WORK TO RELOCATE THE ATMS INFRASTRUCTURE AT THEIR COST.
 - *AT LEAST FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL CONTACT MUKUNDA GOPALAKRISHNA, P.E., FTDE OF THE MANATEE COUNTY TRAFFIC ENGINEERING DIVISION AT (941) 748-3500, EXT. 7813 TO INFORM HIM OF CONSTRUCTION OPERATIONS.
 - THE CONTRACTOR MUST PROVIDE A SPLICE DIAGRAM FOR THE PROPOSED SPLICE ENCLOSURE AT THIS TIME.
 - THE CONTRACTOR SHALL NOTIFY UTILITY OWNERS OF ANY EXCAVATION OR DEMOLITION ACTIVITY THROUGH SUNSHINE ONE CALL OF FLORIDA INC. (811) AND SHALL ALSO NOTIFY THOSE UTILITY OWNERS/AGENCIES LISTED WITHIN OR IMPACTED BY THESE PLANS, NOT LESS THAN TWO (2) FULL BUSINESS DAYS IN ADVANCE OF BEGINNING CONSTRUCTION ON THE JOB SITE.
 - THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING RIGHT-OF-WAY USE PERMITS WITH MATT MERUCCI, MANATEE COUNTY PUBLIC WORKS INFRASTRUCTURE INSPECTION OFFICER, AT (941) 708-7450, EXT. 7242.
 - THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING BOND REQUIREMENTS WITH MANATEE COUNTY PUBLIC WORKS SENIOR ADMINISTRATIVE SPECIALIST, AT (941) 708-7450, EXT. 7613.

This language leads one to believe that there are conflicts with the TMC and the proposed water main and that the contractor is to include the costs of

items a. thru. listed above in his proposal. How does one put a price on this note and qualifications a. thru h. being an unknown? The plans do not show any potential conflicts between the proposed water main and TMC. This note should be removed from the plans, as there is no information provided in the plan sheets that pertain to it. The issue of any conflict will not be known until construction commences and should be taken up at that time between the contractor and owner. Please advise.

R26. The County's TMC Fiber lines are in the SR 64 RW and are shown on the plans (linework "ATMS (B)") along with all the other existing utilities. This note was placed in the plans to allow for the Contractors to know what will be required if conflicts are encountered. As stated in your question, there are no conflicts anticipated, so the purpose of the note is more informational, until not.

Q27. Referencing the FDOT Utility Permit that is provided in the bid documents. In the Work Description of the permit it states, "Install approx. 85 LF 18" steel casing by jack & bore". The plans show and call out 140 LF of 16" HDPE casing to be installed via HDD at the same location. Which is correct, the permit or plans? Please clarify.

R27. The correct version is 140 LF of 16" HDPE casing via HDD. The original FDOT permit was revised from a jack and bore to directional drill and appears the project description was inadvertently not modified by FDOT.

Q28. Referencing the Contract Documents, Division 2 – Site Work, Part 3 – Execution, section 3.03 – Removal and Abandonment of Asbestos Cement Pipe and Appurtenances, paragraph A states, "All work associated with the removal or abandonment of existing asbestos cement pipe and appurtenances shall be performed by a licensed asbestos removal contractor registered in the State of Florida." When the removal of existing asbestos cement pipe and appurtenances is required, and the pipe and appurtenances are removed and not made friable, will a licensed asbestos removal contractor be required? Please advise.

R28. A licensed asbestos removal contractor will be required.

Q29. Plan sheet 6 shows an area on Manatee Ave. to be cut and patched and then Milled and Overlay. Is this cut and patch to facilitate the grouting of the existing pipe and casing at this location? I see no other proposed work in this area. Please clarify.

R29. That is the intent of the cut and patching (hatched areas). The casing and carrier pipe must be abandoned and completely grout filled under the roadway.

Q30. Pay item # 27 miscellaneous concrete has a large quantity of 72 cubic yards. Can the County identify where this is being placed at? I cannot find it on the plans.

R30. The quantity has been reduced to 20 CY and is meant for the concrete slabs on Sheets 4 and 5.

Q31. Pay item 5.01 has 143 sy of 6" minimum asphalt base. Is this at the existing 5 asphalt driveways on Waterbird Way at 120 sy?

R31. Yes.

Q32. The plans are calling out at all cul-de-sacs for the new water line to be installed by HDD. There is not a pay item for paver brick driveway removal and replacement or concrete driveway removal and replacement. Please clarify the intent without impacting driveways.

R32. The plans indicate to install the water mains in the cul-de-sacs by horizontal directional drilling (HDD). Without dictating means and methods, horizontal directional drilling could be done under the driveways with an HDD rig and open-cutting could be utilized in between the driveways to allow for curvature restrictions. The HDD portions shall be undercut and laid flat to coincide with the direct buried portion to remove any high spots that would trap air in the system.

Q33. Plan sheets 20, 21 and 22 all have the following note: Domestic Meters/BPAs & Irrigation Meters/BPAs, Shall be Grouped Separately, Relocate (Reuse) Ex. Meter Boxes. The notes call out 25 meters on sheet 20, 14 on sheet 21 and 5 on sheet 22 to be relocated. The location of the existing Reuse meter boxes are not shown, and neither is the location of where they are to be relocated to. How is the contractor to price what is needed to relocate 44 Reuse Meter Boxes with no information or details? More information needs to be provided to be able to adequately quote this work. What bid item does the cost for the relocation of the Reuse Meter Boxes get placed in? Please clarify.

R33. There are no Reuse (Reclaim) meter boxes. The note is saying to reuse the existing potable water or irrigation meter boxes when the new services are installed, if they are cast iron Rome 1910. As illustrated, there are over-lapping symbols, most of the existing meter box symbols are located under the proposed meter box symbols, with the exception of the existing meter boxes on Sheet 20 around Sta. 149+60, 4'R; they are not under the proposed symbols and can be seen just to the lower left 5 feet or so.

The proposed meter boxes on Sheets 20, 21, and 22 will be placed in the general proximity of the existing meter boxes. As far as the wording, "shall be grouped separately", each location of grouped meter boxes shall have all irrigation meters installed next to each other and the potable water meters installed next to each other. Successful Bidder shall coordinate with County inspector for assistance on placement.

Q34. Referencing Bid Attachment 7, Cross-Connection Parcels Requiring BPA Installed. On the third page of the attachment at the lower left corner of the page, it states that there is a Total of 237 BPAS Required. The Bid Pricing Form, items 11 thru 11.01.4 relate to BPA installation. None of these items account for the 237 BPA's as called out in Attachment 7. Are there 237 BPA's to be installed? If there is what bid item covers this work? Please clarify.

R34. No, not all 237 BPA are to be installed with this project; only the ones indicated on the plans will be installed with this awarded bid. Bid items 11.01 cover the installation of the new BPAs.

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-TA003315BB
 FLAMINGO CAY WATER MAIN REPLACEMENT
 BID 'A' - BASED ON A COMPLETION TIME OF 240 CALENDAR DAYS

ITEM NO.	DESCRIPTION	U/M	QTY	UNIT PRICE	EXTENDED PRICE (UNIT PRICE X QTY)
1	Mobilization	LS	1		
2	Curb Replacement	LF	278		
3	Asphalt Pavement Restoration				
3.01	Base & 1 1/2" S-III, (8" min. thick. base)	SY	1,058		
3.02	Mill & Resurface, 1 1/2" S-III	SY	1,548		
3.03	Mill & Resurface, FC12.5, 1.5" Thick	SY	100		
3.04	SP12.5 Asphalt, 12" Thick	SY	13		
4	Sidewalk Restoration, concrete, 4" Thick	SY	92		
5	Driveway Restoration				
5.01	Asphalt (6" min. thick. base)	SY	143		
5.02	Concrete (6" min. thick.)	SY	99		
5.03	Brick Paver	SY	100		
6	Sod	SY	2,423		
7	Grout Fill Abandoned Pipe	CY	22		
8	Blow-off Assembly, End of Line, 2"	EA	7		
9	Above-ground Backflow Prevention Assembly, 4"	EA	1		
10	Above-ground Meter/Backflow Prevention Assembly, 3"	EA	1		
11	Backflow Prevention Assembly /w Pressure Relief Valve				
11.01	Install New Backflow Prevention Assembly				
11.01.1	3/4" reduced pressure (RPZ)	EA	17		
11.01.2	3/4" double check (DC)	EA	2		
11.01.3	1" reduced pressure (RPZ)	EA	41		
11.01.4	Vacuum Breaker, brass	EA	120		
11.02	Relocate-Existing Backflow Prevention Assembly	EA	4		
12	Permit Fee - New Water Service-Building Department	EA	9		
13	Remove Existing Items				
13.01	Valves	EA	15		
13.02	Fire Hydrants	EA	3		
13.03	Ex. Non-Standard Meter Boxes	EA	22		
13.04	Ex. Non-Standard BPA	EA	0		
14	Pipe				
14.01	2" HDPE SDR9 C901, water, (Directional bore)	LF	1,560		
14.02	4" HDPE DR-11 C906, water (Directional bore)	LF	1,425		
14.03	4" DIP CL350, water, (Direct bury)	LF	735		
14.04	4" DIP CL350, RJ, water, (Directional bore)	LF	0		
14.05	6" DIP CL350, RJ, water, (Direct bury)	LF	25		
14.06	8" HDPE DR-11 C906, water (Directional bore)	LF	4,135		
14.07	8" DIP CL350, RJ, water, (Direct bury)	LF	1,280		
14.08	8" PVC DR18, RJ, water, (Direct bury)	LF	285		
14.09	8" HDPE DR-11 C906, CASING (Directional bore)	LF	105		
14.10	12" PVC DR-18, RJ, water, (Direct bury)	LF	90		
14.11	16" HDPE DR-11 C906, CASING (Directional bore)	LF	140		
15	Water Service				
15.01	1" Water Services (Single, long)	EA	9		
15.02	1" Water Services (Single, short)	EA	32		
15.03	1" Water Services (Double, long)	EA	28		
15.04	1" Water Services (Double, Short)	EA	39		
15.05	2" Water Services (Single, Long)	EA	3		
15.06	2" Water Services (Triple, Short)	EA	1		
15.07	2" Water Services (Triple, Long)	EA	1		
15.08	2" Water Services (Quadruple, Short)	EA	6		
15.09	Add-on for Water Service Installed by Trenching (Long)	LF	46		
16	New Standard Meter Box	EA	20		
17	Relocate Ex.Standard Meter Box	EA	69		
18	Ductile Iron Fittings				
18.01	2" Cap	EA	23		
18.02	4" Cap	EA	5		
18.03	4" 45 Degree or Less Bend	EA	11		
18.04	4" 90 Degree Bend	EA	2		
18.05	4" Sleeve	EA	1		
18.06	4" RJ DI Plug or Cap x 2" MIP	EA	7		
18.07	6" Cap	EA	6		

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 FLAMINGO CAY WATER MAIN REPLACEMENT
 BID 'A' - BASED ON A COMPLETION TIME OF 240 CALENDAR DAYS

ITEM NO.	DESCRIPTION	U/M	QTY	UNIT PRICE	EXTENDED PRICE (UNIT PRICE X QTY)
18.08	6" Wye	EA	1		
18.09	6" 45 Degree or Less Bend	EA	3		
18.10	6" 90 Degree Bend	EA	2		
18.11	6"x4" Reducer	EA	2		
18.12	8"x4" Reducer	EA	7		
18.13	8"x8" Tee	EA	6		
18.14	8" 45 Degree or Less Bend	EA	24		
18.15	8" Sleeve	EA	15		
18.16	12" 45 Degree or Less Bend	EA	2		
18.17	12" Sleeve	EA	2		
18.18	12" Cap	EA	1		
18.19	12" x8" Tee, Cut-In	EA	1		
18.20	Coupling, 4"	EA	13		
18.21	Coupling, 6"	EA	4		
18.22	Coupling, 8"	EA	4		
18.23	Coupling, 12"	EA	12		
19	Pipe Joint Restraints				
19.01	4" Pipe Joint Restraints	EA	25		
19.02	8" Pipe Joint Restraints	EA	101		
19.03	12" Pipe Joint Restraints	EA	5		
20	Pipe Adapters				
20.01	4" HDPE to MJ Adapter	EA	6		
20.02	8" HDPE to MJ Adapter	EA	13		
21	Valves, MJ				
21.01	4" Gate Valve	EA	11		
21.02	8" Gate Valve	EA	15		
21.03	12" Gate Valve	EA	1		
22	Air Release Valve, 1"	EA	3		
23	ARV Cabinet, fiberglass	EA	3		
24	Fire Hydrant Assembly	EA	10		
25	Erosion Control	LS	1		
26	Traffic Control Plan	LS	1		
27	Miscellaneous Concrete, 3,000 psi	CY	20		
28	Detectable Warnings, black, per FDOT 527-2	SF	50		
29	Bollards, yellow PVC covering, red reflector	EA	6		
30	Miscellaneous Restoration				
30.1	Irrigation				
30.11	Sprinkler Head	EA	109		
30.12	sch 40 pvc, all diameter	LF	2,174		
30.2	Fencing	LS	1		
30.3	Landscaping Stone, large pieces, small retaining walls, planter edging, etc	LF	250		
30.4	Landscaping Rock, decorative ground cover	SY	491		
30.5	Shell, excluding driveways	SF	216		
31	Record Drawings	LS	1		
Total Base Bid 'A'					
32	Contract Contingency (10% of Total Base Bid)				
Total Bid 'A' with Contract Contingency (Total Base Bid + Contract Contingency)					

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 IFBC NO. 20-TA003315BB
 FLAMINGO CAY WATER MAIN REPLACEMENT
 BID 'B' - BASED ON A COMPLETION TIME OF 300 CALENDAR DAYS

ITEM NO.	DESCRIPTION	U/M	QTY	UNIT PRICE	EXTENDED PRICE (UNIT PRICE X QTY)
1	Mobilization	LS	1		
2	Curb Replacement	LF	278		
3	Asphalt Pavement Restoration				
3.01	Base & 1 1/2" S-III, (8" min. thick. base)	SY	1,058		
3.02	Mill & Resurface, 1 1/2" S-III	SY	1,548		
3.03	Mill & Resurface, FC12.5, 1.5" Thick	SY	100		
3.04	SP12.5 Asphalt, 12" Thick	SY	13		
4	Sidewalk Restoration, concrete, 4" Thick	SY	92		
5	Driveway Restoration				
5.01	Asphalt (6" min. thick. base)	SY	143		
5.02	Concrete (6" min. thick.)	SY	99		
5.03	Brick Paver	SY	100		
6	Sod	SY	2,423		
7	Grout Fill Abandoned Pipe	CY	22		
8	Blow-off Assembly, End of Line, 2"	EA	7		
9	Above-ground Backflow Prevention Assembly, 4"	EA	1		
10	Above-ground Meter/Backflow Prevention Assembly, 3"	EA	1		
11	Backflow Prevention Assembly /w Pressure Relief Valve				
11.01	Install New Backflow Prevention Assembly				
11.01.1	3/4" reduced pressure (RPZ)	EA	17		
11.01.2	3/4" double check (DC)	EA	2		
11.01.3	1" reduced pressure (RPZ)	EA	41		
11.01.4	Vacuum Breaker, brass	EA	120		
11.02	Relocate-Existing Backflow Prevention Assembly	EA	4		
12	Permit Fee - New Water Service-Building Department	EA	9		
13	Remove Existing Items				
13.01	Valves	EA	15		
13.02	Fire Hydrants	EA	3		
13.03	Ex. Non-Standard Meter Boxes	EA	22		
13.04	Ex. Non-Standard BPA	EA	0		
14	Pipe				
14.01	2" HDPE SDR9 C901, water, (Directional bore)	LF	1,560		
14.02	4" HDPE DR-11 C906, water (Directional bore)	LF	1,425		
14.03	4" DIP CL350, water, (Direct bury)	LF	735		
14.04	4" DIP CL350, RJ, water, (Directional bore)	LF	0		
14.05	6" DIP CL350, RJ, water, (Direct bury)	LF	25		
14.06	8" HDPE DR-11 C906, water (Directional bore)	LF	4,135		
14.07	8" DIP CL350, RJ, water, (Direct bury)	LF	1,280		
14.08	8" PVC DR18, RJ, water, (Direct bury)	LF	285		
14.09	8" HDPE DR-11 C906, CASING (Directional bore)	LF	105		
14.10	12" PVC DR-18, RJ, water, (Direct bury)	LF	90		
14.11	16" HDPE DR-11 C906, CASING (Directional bore)	LF	140		
15	Water Service				
15.01	1" Water Services (Single, long)	EA	9		
15.02	1" Water Services (Single, short)	EA	32		
15.03	1" Water Services (Double, long)	EA	28		
15.04	1" Water Services (Double, Short)	EA	39		
15.05	2" Water Services (Single, Long)	EA	3		
15.06	2" Water Services (Triple, Short)	EA	1		
15.07	2" Water Services (Triple, Long)	EA	1		
15.08	2" Water Services (Quadruple, Short)	EA	6		
15.09	Add-on for Water Service Installed by Trenching (Long)	LF	46		
16	New Standard Meter Box	EA	20		
17	Relocate Ex.Standard Meter Box	EA	69		
18	Ductile Iron Fittings				
18.01	2" Cap	EA	23		
18.02	4" Cap	EA	5		
18.03	4" 45 Degree or Less Bend	EA	11		
18.04	4" 90 Degree Bend	EA	2		
18.05	4" Sleeve	EA	1		
18.06	4" RJ DI Plug or Cap x 2" MIP	EA	7		
18.07	6" Cap	EA	6		

APPENDIX J, BID PRICING FORM - REVISED ADDENDUM NO. 4
 IFBC NO. 20-TA003315BB
 FLAMINGO CAY WATER MAIN REPLACEMENT
 BID 'B' - BASED ON A COMPLETION TIME OF 300 CALENDAR DAYS

ITEM NO.	DESCRIPTION	U/M	QTY	UNIT PRICE	EXTENDED PRICE (UNIT PRICE X QTY)
18.08	6" Wye	EA	1		
18.09	6" 45 Degree or Less Bend	EA	3		
18.10	6" 90 Degree Bend	EA	2		
18.11	6"x4" Reducer	EA	2		
18.12	8"x4" Reducer	EA	7		
18.13	8"x8" Tee	EA	6		
18.14	8" 45 Degree or Less Bend	EA	24		
18.15	8" Sleeve	EA	15		
18.16	12" 45 Degree or Less Bend	EA	2		
18.17	12" Sleeve	EA	2		
18.18	12" Cap	EA	1		
18.19	12" x8" Tee, Cut-In	EA	1		
18.20	Coupling, 4"	EA	13		
18.21	Coupling, 6"	EA	4		
18.22	Coupling, 8"	EA	4		
18.23	Coupling, 12"	EA	12		
19	Pipe Joint Restraints				
19.01	4" Pipe Joint Restraints	EA	25		
19.02	8" Pipe Joint Restraints	EA	101		
19.03	12" Pipe Joint Restraints	EA	5		
20	Pipe Adapters				
20.01	4" HDPE to MJ Adapter	EA	6		
20.02	8" HDPE to MJ Adapter	EA	13		
21	Valves, MJ				
21.01	4" Gate Valve	EA	11		
21.02	8" Gate Valve	EA	15		
21.03	12" Gate Valve	EA	1		
22	Air Release Valve, 1"	EA	3		
23	ARV Cabinet, fiberglass	EA	3		
24	Fire Hydrant Assembly	EA	10		
25	Erosion Control	LS	1		
26	Traffic Control Plan	LS	1		
27	Miscellaneous Concrete, 3,000 psi	CY	20		
28	Detectable Warnings, black, per FDOT 527-2	SF	50		
29	Bollards, yellow PVC covering, red reflector	EA	6		
30	Miscellaneous Restoration				
30.1	Irrigation				
30.11	Sprinkler Head	EA	109		
30.12	sch 40 pvc, all diameter	LF	2,174		
30.2	Fencing	LS	1		
30.3	Landscaping Stone, large pieces, small retaining walls, planter edging, etc	LF	250		
30.4	Landscaping Rock, decorative ground cover	SY	491		
30.5	Shell, excluding driveways	SF	216		
31	Record Drawings	LS	1		
Total Base Bid 'B'					
32	Contract Contingency (10% of Total Base Bid)				
Total Bid 'B' with Contract Contingency (Total Base Bid + Contract Contingency)					

BID ATTACHMENT 2, PLANS/DRAWINGS

Note: Separate Attachment

BID ATTACHMENT 4, TECHNICAL SPECIFICATIONS

Note: Separate Attachment

BID ATTACHMENT 8, UTILITY APPROVED PRODUCT LIST

Note: Separate Attachment