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## Solicitation Addendum

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Addendum No.: 3  
Solicitation No.: 23-TA004807DJ  
Project No.: 6110580  
Solicitation Title: Force Main 32A Replacement  
Addendum Date: October 12, 2023  
Procurement Contact: Dave Janney, Procurement Agent III

**IFBC 23-TA004807DJ 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 23-TA004807DJ.**

The deadline to submit all inquiries concerning interpretation, clarification or additional information pertaining to this IFBC is ~~September 29, 2023~~ November 10, 2023.

### **REPLACE:**

#### **SECTION B, BID FORMS, APPENDIX K, BID SIGNATURE FORM**

**Replace Appendix K Bid Signature Form, with Appendix K Bid Signature Form (Revised) issued with Addendum 3, hereby incorporated into this IFBC.**

### **REPLACE:**

#### **SECTION B, BID FORMS, APPENDIX L, BID PRICING FORM**

**Replace Appendix L Bid Pricing Form, with Appendix L Bid Pricing Form (Revised) issued with Addendum 3, hereby incorporated into this IFBC.**

### **REPLACE:**

#### **BID ATTACHMENT 3 – PLANS**

**Replace Bid Attachment 3 - Plans, in its entirety with the attached Revised Bid Attachment 3 – Plans, issued with this Addendum 3 and available for download as a separate attachment.**

**REPLACE:**

**SECTION C, BID ATTACHMENTS, BID ATTACHMENT 2, TECHNICAL SPECIFICATIONS, SECTION 01150 MEASURE AND PAYMENT**

**Replace Bid Attachment 2, Technical Specifications, Section 01150, Measure and Payment, in its entirety with attached Revised Section 01150, Measure and Payment issued with Addendum No. 3, hereby incorporated into this IFBC.**

**CHANGE TO:**

**ADVERTISEMENT, DATE, TIME AND PLACE DUE:**

The Due Date and Time for submission of Bids in response to this Invitation for Bid Construction (IFBC) is ~~October 25, 2023~~ December 20, 2023, at 11:00 AM ET. Bids must be delivered to the following location: Manatee County Administration Building, 1112 Manatee Avenue West, Suite 803, Bradenton, FL 34205 prior to the Due Date and Time.

**CHANGE TO:**

**ADVERTISEMENT, DEADLINE FOR QUESTIONS AND CLARIFICATION REQUESTS:**

The deadline to submit all questions, inquiries, or requests concerning interpretation, clarification or additional information pertaining to this Invitation for Bid Construction to the Manatee County Procurement Division is ~~September 29, 2023~~ November 10. Questions and inquiries should be submitted via email to the Designated Procurement Contact shown below.

**CHANGE TO:**

**SECTION A, INFORMATION FOR BIDDERS, A.01 BID DUE DATE:**

The Due Date and Time for submission of Bids in response to this Invitation for Bid Construction (IFBC) is ~~October 25, 2023~~ December 20, 2023, at 11:00 AM ET. Bids must be delivered to the following location: Manatee County Administration Building, 1112 Manatee Avenue West, Suite 803, Bradenton, FL 34205 and time stamped by a Procurement representative prior to the Due Date and Time.

**CHANGE TO:**

**SECTION A, INFORMATION FOR BIDDERS, A.43 BASIS OF AWARD:**

~~Only one (1) completion schedule for 150 calendar days shall be submitted and considered.~~

Multiple schedules for completion of Work shall be considered. Two (2) bids shall be submitted and considered, Bid 'A' based on 150 calendar days completion time and Bid 'B' based on 240 calendar days completion time. County, at its sole discretion, shall select either Bid 'A' or Bid 'B', whichever is in the best interest of the County. Only one (1) award will be made.

**CHANGE TO:**

**SECTION A, INFORMATION FOR BIDDERS, A.45 COMPLETION OF WORK:**

The Work will be completed and ready for final inspection within the specified calendar days from the date the Contract Time commences to run. Substantial completion shall be based on Bid 'A' for 150 calendar days or Bid 'B' based on 240 calendar days time at the County's sole discretion.

**CHANGE TO:**

**SECTION A, INFORMATION FOR BIDDERS, A.51 SOLICITATION SCHEDULE:**

Scheduled Item	Scheduled Date
Mandatory site tour at Force Main 32A, 3011 Business 41, Bradenton, Florida 34205, East side of the Road, just south of 30th Ave. W.	August 30, 2023 @ 9:00 AM
Question and Clarification Deadline	<del>September 29, 2023</del> <u>November 10, 2023</u>
Bid Response Due Date and Time	<del>October 25, 2023, 11:00 AM ET</del> <u>December 20, 2023, 11:00 AM ET</u>
Projected Award	<del>December 2023</del> <u>January 2024</u>

**QUESTIONS AND RESPONSES:**

**Q1. Reference Plan Sheets C-1 - C-4, \*NOTES, third sentence, "CONTRACTOR SHALL INCLUDE IN THE UNIT COST OF THE SUBJECT FORCE MAIN CONSTRUCTION, THE COST OF UTILITY ADJUSTMENTS NECESSARY TO ATTAIN DESIGN MINIMUM SEPARATION FOR UTILITIES CONFLICTING WITH THE CONSTRUCTION OF THE PROPOSED FORCE MAIN." Until the Contractor can make their assessment of conflicts with existing utilities, the Contractor cannot include costs in the bid for what the third sentence is requiring, the scope of work cannot be quantified at this time. An Allowance Bid Item should be established with an allowance amount for this scope of work provided by the County.**

R1. On each of the profiles shown in the drawings, an asterisk is used to denote elevations of existing utilities that were based on record drawings or typical encountered depths of utilities. The note states that the contractor shall be responsible for field locations of all utilities crossing the proposed force main and shall include the cost of necessary utility adjustments in the cost of the subject force main construction. The scope of work in reference to this item is when existing utility elevations can be verified via open trench construction and in reasonable proximity of the jack & bore pits and horizontal directional drill pits. It is the contractor's responsibility to locate existing utilities in advance of open

cut construction and within reasonable distance of the bore pits or as called out on the contract documents. Specification Section 01030-1.04.F states that it is intended that wherever existing utilities must be crossed, deflection of the pipe within recommended limits and cover shall be used unless otherwise indicated in the drawings. When in the opinion of the County this procedure is not feasible, fittings may be used, and the additional fitting cost will come out of project contingency.

**Q2. Reference plan sheet C-4, the note that reads “EX. BT CABLES (3) TO BE RELOCATED AS NECESSARY TO COMPLETE JACK AND BORE”, relocating buried telephone cable is not something we can do and this work would have to be performed by a telephone contractor and we do not know what the costs for this work will be and or how long it will take, perhaps another Allowance Bid Item should be established for this work.**

R2. Per the note shown on the Sheets C-3 and C-4, it is expected that the contractor will be in conflict with the buried fiber cables through the force main construction (jack and bore box or direct conflict with the jack and bore). The contractor shall include in the cost of the subject force main jack and bore construction, the cost of the fiber conflict resolution (slack the fiber lines or relocate the fiber) necessary to construct the proposed force main. The contractor will be responsible for coordinating with Manatee County ATMS to accomplish this. See Bid Attachment 3 – Plans (Revised), issued with this Addendum 3 and available for download as a separate attachment.

**Q3. Reference plan sheets C-3 and C-4, Note numbers 5 – 10, these notes pertain to the existing Advanced Traffic Management System, (ATMS), but the plans do not show installing a new ATMS, how is the Contractor supposed to bid this scope of work?**

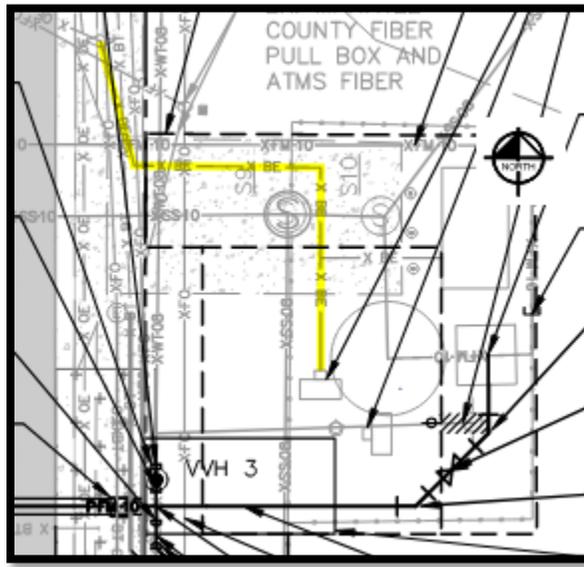
R3. See response to Question #2.

**Q4. Reference plan sheets C-3 and C-4, SPECIAL NOTE \*\*CONTRACTOR TO VERIFY EXISTING UTILITY DEPTHS AND LOCATIONS PRIOR TO COMPLETING JACK AND BORE\*\*, can a Bid Item to compensate Contractor for this scope of work be added to the Bid Form?**

R4. Bid item #31 was added to the bid form and specification 01150 (Measurement and Payment) for verification of existing utility depths and locations prior to completing jack and bore (east and west side of 14th Street West). See Appendix L Bid Pricing Form (Revised) and Section 01150, Measure and Payment (Revised) issued with Addendum No. 3, hereby incorporated into this IFBC.

**Q5. Reference Bid Form, Bid Item 19, “6” AC Water Main Relocations”, plan sheets C-3 and C-4 show two (2) each asbestos cement water mains to be vertically deflected, an eight-inch main on the east side of 14th Street West and a six-inch main on the west side of 14th Street West, are both of these different sized asbestos cement water mains to be paid for in Bid Item 19? Perhaps a separate Bid Item should be established for each water main that is to be vertically deflected.**

- R5. Bid Item #19 name has been changed to AC water main relocations, is lump sum and the measurement and payment description has been revised to include both 8-inch and 6-inch AC watermain relocations. See Appendix L Bid Pricing Form (Revised) issued with Addendum 3, and Section 01150, Measure and Payment (Revised) issued with Addendum No. 3, herby incorporated into this IFBC.
- Q6. Reference Bid Form, Bid Item 21, “Manhole Rehabilitation”, 3-Each, plan sheet G-4 shows the location of these three (3) manholes and the SEWER STRUCTURES Table on plan sheet G-3 provides rim and invert elevation for manhole S-1, but the two manholes south of manhole S-1 are not numbered and as a result we are unable to identify these manholes from the SEWER STRUCTURES Table, please review and provide rim and invert information.**
- R6. Rim and invert elevations for the two referenced manholes, MH 13955 and MH 13417, have been added to Sheet G-4 based on Manatee County record drawings. See Bid Attachment 3 – Plans (Revised), issued with this Addendum 3 and available for download as a separate attachment.
- Q7. Reference Specifications, Section A, INFORMATION FOR BIDDERS, page 19, par. A.45, COMPLETION OF WORK, second sentence, “Substantial completion shall be based on 150 calendar days.”, this is not enough time. Substantial completion should be 240-calendar days with Final completion at 270-calendar days, please review and revise construction time.**
- R7. The bid form has been updated to include a bid A timeframe of 150-calander days and a bid B timeframe of 240-calendar days duration for the project, See Appendix K Bid Signature Form (Revised) and Appendix L Bid Pricing Form (Revised) issued with Addendum No. 3, herby incorporated into this IFBC.
- Q8. Reference plan sheet C-4, “LIFT STATION #32A PROPOSED CONNECTION DETAIL” what is the distance, center to center, between the two 4-inch discharge pipe? Please provide so the length of the two 4-inch spool pieces can be determined in order to get pricing from vendors for them.**
- R8. The center-to-center distances between the two 4-inch discharge pipes is approximately 29”. The contractor shall verify this distance prior to ordering the spool pieces required to complete the proposed connection.
- Q9. Please provide flow volumes for the pump station for a twenty-four hour period.**
- R9. See attached Flow Report - 32A.
- Q10. Where does the primary power feed come into the lift station site from? Please provide an updated plan sheet with the location of primary power.**
- R10. The primary feed power is shown based on the best available record information on Sheets C-3 and C-4 of the plans. See the image below with the approximate location of the primary feed power line highlighted:



**Q11. Reference Plan Sheet C-4, LIFT STATION #32A PROPOSED CONNECTION DETAIL, the Note that reads “CONTRACTOR TO REPAIR PIPE PENETRATION PER DETAIL ON SHEET D-3”, there is no sheet D-3, please provide the detail.**

R11. The notes to repair pipe penetration on sheet C-4 have been updated to reference Penetration Repair (Detail 1) on sheet D-2.

**Q12. Reference Plan Sheet C-4, SPECIAL NOTE that reads \*\*CONTRACTOR TO VERIFY EXISTING UTILITY DEPTHS AND LOCATIONS PRIOR TO COMPLETING JACK AND BORE\*\*, Bid Items, one for the east side investigation and one for the west side investigation, need to be added to the Bid Form for this scope of work, please add two (2) bid items to compensate Contractor for investigating location and depths of existing utilities one for each location.**

R12. See the response to Question #4.

**Q13. Reference Plan Sheet C-1, the profile view of the 10-inch force main at manhole S-1 does not show a “P-Trap”, is this what the County wants?**

R13. The “P-Trap” was omitted from the design per coordination and discussion with the County.

**Q14. Reference Plan Sheet D-2, “MANHOLE CONNECTION”, is the note in light print, that reads “\*\*\*CONTRACTOR SHALL REPLACE THE FRAME AND COVER WITH HEAVY DUTY COMPOSITE FRAME AND COVER, MIN. THREE (3) 316 SS LOCKING BOLTS” applicable to the manhole connection, is the Contractor to furnish a composite frame and cover?**

R14. Yes, the contractor is to furnish and replace the frame and cover per the note on Sheet D-2. All three manholes will require ring and cover replacement. Bid item #21 includes the ring and cover replacement. Bid item #23 has been updated to state the manhole rehabilitation cost is included in bid item #21.

**Q15. Please provide the Sign-In-Sheets for each of the Mandatory Site Visits held on September 6, 2023, and September 13, 2023.**

R15. See attached Mandatory Site Visit Sign In Sheets.

**Q16. Reference Plan Sheet C-3, can the 8-inch asbestos cement water main at the east side of 14th Street West that is shown to be vertically adjusted, be shut down and for how long?**

R16. The relocations for both the 6" AC water main and the 8" AC water main will need to be completed simultaneously on the same night. The water mains can be shut down for 6 to 8 hours. The relocations must also be completed at night.

**Q17. Reference Plan Sheet C-3, can the 6-inch asbestos cement water main at the west side of 14th Street West that is shown to be vertically adjusted, be shut down and for how long?**

R17. See response to Question #16.

**Q18. Reference Plan Sheet C-3, there are two (2) existing sanitary sewer manholes at the Lift Station site, please provide rim and invert elevations for each of these manholes.**

R18. On Sheets C-3 and C-4, the manholes are called out as "S-9" and "S-10". Please see the sewer structures table on Sheet G-3 for rim and invert elevations for each of these manholes.

**Q19. Reference Plan Sheet C-4, LIFT STATION 32-A PROPOSED CONNECTION DETAIL, has the County exercised the existing 4-inch gate valves in the valve vault lately to know that these valves can be shut down?**

R19. Yes, the County exercises the valves on a quarterly basis at each County lift station. In addition, the County will exercise the valves prior to the proposed connection.

**Q20. Reference Plan Sheet C-3, the installation of the proposed 10-inch PVC force main at the west side of 14th Street West will impact customers access to the two (2) commercial businesses that have parking and access for customers to their place of business, how will Manatee County compensate these merchants for lost revenue?**

R20. Manatee County will perform public outreach through the project manager and the County's community outreach specialist. All work will be performed in the right-of-way.

**Q21. Reference Plan Sheet C-4, the Note that reads "GROUT FILL AND PLACE OUT OF SERVICE EX. 10" CIP FORCE MAIN. CONTRACTOR TO VERIFY EX. PIPE LOCATION, EX. CASING SIZE, MATERIAL, LOCATION, AND UPDATE**

**RECORD DRAWING EX. PIPE AND CASING ELEVATIONS PRIOR TO FDOT PERMIT CLOSEOUT”, please add bid items, one for the east side and one for the west side of the existing casing, to compensate Contractor for this work.**

R21. Bid Item #32 has been added to include the cost for SUE services for verifying existing force main/casing location on both sides of 14th Street West. See Appendix L Bid Pricing Form (Revised) and Section 01150, Measure and Payment (Revised) issued with Addendum No. 3, hereby incorporated into this IFBC.

**Q22. The existing traffic signals at 30th Avenue West appear to have “video detection”, if this is the case, will modifications to that system be all that is required to maintain detection during lane closures or traffic switches?**

R22. No work is anticipated in the roadway, thus lane closures or traffic switches are not anticipated. However, 14th St W and 30th Ave W has video detection system in place. In case if any lane closures or change in traffic operations are needed, then the video detection can be programmed by the contractor accordingly to support the change.

**Q23. The County is requiring any signal timing modifications to be provided by the Contractor, in order to do this the Contractor will have to sub-contract these services to a registered engineer and the sub-contracted engineer would need to know traffic counts, please provide traffic count data for the intersection at 14th Street West and 30th Avenue West.**

R23. See response to Question #22.

**Q24. With regard to the Automated Traffic Management System, ATMS, the County is requiring the Contractor to provide a splice diagram for any required splicing, does this mean the County will allow a new splice vault to be installed and that new fiber and conduit from the new splice vault to the existing splice vault at 30th Avenue West and 14th Street West is to be installed?**

R24. A short section of the existing ATMS fiber infrastructure appears to be in conflict with the construction based on the record drawings. Please see attached ATMS Fiber Record Drawing with this affected section of fiber marked in green. At a minimum this whole section may need replacement or relocation (includes empty conduit if any). There is a multi-conductor cable running from the Microwave Detection System (VDS 79-1 - See Bid Attachment 3 – Plans (Revised), issued with this Addendum 3 and available for download as a separate attachment.) to the traffic signal cabinet in the SW corner of 14th ST W @ 30th Ave W, in the same conduit as the fiber. This needs to be replaced as well. Also find related splicing diagrams from our as-builts.

**Q25. Reference specifications Section 01150, MEASUREMENT AND PAYMENT, page 38 of 334. BID ITEM NO. 12-20” STEEL CASING WITH 10” CARRIER PIPE (JACK AND BORE), first paragraph, second sentence with language that reads “relocating existing utilities in conflict”, the Contractor cannot commit to include pricing for this work, this language needs to be removed. Please remove.**

R25. See the response to Question #2.

**Q26. During a site visit this date, September 19, 2023, Manatee County has a contractor installing an irrigation main in the 14th Street West right-of-way starting at the southwest corner of 30th Avenue West and proceeding south on 14th Street West, this work is not shown on the bid plans for the 32A Force Main Replacement project, should this new work be on the bid plans?**

R26. The design drawings have been revised to limit impacts to the new landscape and irrigation installed on the west side of 14th Street West. A majority of the open cut force main installation will now be installed via horizontal directional drill. Please see the attached revised plan sheets C-2 and C-3. See below for list of quantities that have been updated due to this change in the Bid Form:

- Bid Item #10 12" HDPE DR11 Pipe (HDD) quantity has been revised from 450 LF to 1,110 LF.
- Bid Item #11 10" PVC C900 Pipe (Open-Cut) quantity has been revised from 920 LF to 280 LF.
- Bid Item #25 has been revised from "Sidewalk Repair" to "Sidewalk Restoration" and the quantity has been revised from 70 SY to 45 SY.
- Bid Item #26 Asphalt Driveway Repair quantity has been revised from 325 SY to 180 SY.
- Bid Item #27 Sodding quantity has been revised from 1,650 SY to 750 SY.
- Bid Item #29 Remove and Replace Curb quantity has been revised from 80 LF to 60 LF.

**Q27. Reference plan sheet C-2, at approximately station 1516+30, the water meter assembly to be temporarily relocated happens to be a 6-inch double detector check backflow assembly for a fire main that is currently serving the automobile dealer complex. Manatee County needs to prepare a design for relocating this backflow device in order to minimize downtime for fire protection. Please review.**

R27. The revised horizontal directional drill force main installation on sheets C-2 and C-3 will not affect this backflow device.

**Q28. Will Manatee County consider additional directional drilled pipe in front of the apartment complex and the automobile dealership facility?**

R28. Yes, this design change has been accommodated in the updated design plans C-2 and C-3.

**Q29. In order to complete the work on the east side of 14<sup>th</sup> Street West at the existing site of Lift Station 32A, the County will need a temporary construction easement on the adjacent property at the south and east sides of the current lift station site. *There is not enough room to excavate for the proposed design changes without impacting the adjacent property. The County needs to have a temporary easement in place.***

R29. The jack and bore alignment has been revised to allow 5' from the edge of the existing easement for the jack and bore pit to the centerline of the pipe. Additionally, chain link site

fence removal/replacement has been added to the notes in the plans. See the revised plan sheets C-3 and C-4. Bid item #33 has been added for site fence restoration. Fencing and brick and concrete fence pillars have been removed from bid item #28 and are included in the bid item #33 measurement and payment section and lump sum bid price. See Appendix L Bid Pricing Form (Revised) and Section 01150, Measure and Payment (Revised) issued with Addendum No. 3, hereby incorporated into this IFBC.

**Q30. Reference specifications Section 01590, COUNTY'S FIELD OFFICE, there is no room for a field office on this job site and this requirement is a waste of taxpayers' money. Please delete this section from the specifications.**

R30. No field office is required for this project.

**Q31. Reference plan sheet C-4, the SECOND SENTENCE in the note just below the profile view of the Jack and Bore that reads "CONTRACTOR TO VERIFY EX. PIPE LOCATION, EX. CASING SIZE, MATERIAL, LOCATION, AND UPDATE RECORD DRAWING EX. PIPE AND CASING ELEVATIONS PRIOR TO FDOT PERMIT CLOSEOUT", this work will impact existing surface conditions and there are no bid items to compensate the Contractor for restoring the affected surface areas. Please add bid items for surface restoration at these areas.**

R31. See response to Question #21.

**Q32. I have previously asked the County to obtain temporary construction easements at the east and south sides of the existing lift station site and want to make sure the temporary easements will be large enough to allow us to construct the work at the lift station site. Please allow for additional room to work.**

R32. See response to Question #29.

**NOTE:**

Deleted items will be ~~struck through~~, added or modified items will be underlined. All other terms and conditions remain as stated in the IFBC.

**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.

**END OF ADDENDUM**

AUTHORIZED FOR RELEASE

**APPENDIX K, BID SIGNATURE FORM REVISED**

IFBC No.23-TA004807DJ, Force Main 32A Replacement

Total Bid Price/Offer for Bid A: \$ \_\_\_\_\_ Complete. Base on a completion time of 150 calendar days.

Total Bid Price/Offer for Bid B: \$ \_\_\_\_\_ Complete. Base on a completion time of 240 calendar days.

As Bidder, we understand that any Bid Pricing Form containing imbedded mathematical formulas provided with this IFBC are provided solely for the convenience of the Bidder. As such, we understand that to be considered responsive, it is our sole responsibility to provide unit prices for each line item on the subsequent pages of Appendix L, Bid Pricing Form and regardless of whether the Bid Pricing Form contains imbedded mathematical formulas the Bidder shall assume the responsibility and accuracy of the information input in the Bid Pricing Form. Additionally, Bidder understands that all Bids will be reviewed for Mathematical Errors in accordance with Article A.35 of the IFBC documents.

We, the undersigned, hereby declare that we have carefully reviewed the IFBC Documents and subsequent addendums in their entirety and with full knowledge and understanding of the Bid information and all its requirements, submit this Bid, which is complete in meeting each specification, term, and condition contained therein.

As Bidder, we understand that the IFBC documents, including but not limited to, all specifications, terms, and conditions shall be made a part of any resulting Agreement between County and the successful Bidder. Failure by successful Bidder to comply with such specifications, terms and conditions shall result in Agreement default, whereupon, the defaulting successful Bidder shall be required to pay for all re-procurement costs, damages, and attorney fees as incurred by County, and agrees to forfeit its bid bond.

**Authorized Signature(s):** \_\_\_\_\_

**Name and Title of Above  
Signer(s):**  
\_\_\_\_\_

**Date:** \_\_\_\_\_

APPENDIX L BID PRICING FORM <b>REVISED</b> 23-TA004807DJ FORCE MAIN 32A FORCE MAIN REPLACEMENT PROJECT #6110580							
Bidders must provide prices for each available line item on each tab for their bid to be considered responsive.							
*To be considered responsive, it is the sole responsibility of the bidder to correctly calculate and manually enter all sub-total, contingency, and total bid price fields.							
ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE <b>BID A</b> <b>150 CALENDAR DAYS</b>	AMOUNT <b>BID A</b> <b>150 CALENDAR DAY</b>	UNIT PRICE <b>BID B</b> <b>240 CALENDAR DAYS</b>	AMOUNT <b>BID B</b> <b>240 CALENDAR DAY</b>
<b>I. MISCELLANEOUS</b>							
1	Mobilization (10%)	1	LS				
2	Maintenance of Traffic	1	LS				
3	Preconstruction Video	1	LS				
4	Erosion and Sediment Control	1	LS				
5	Clearing and Grubbing	1	LS				
6	Project Signs	1	LS				
7	Bypass Pumping	1	LS				
8	Record Drawings	1	LS				
9	Pipeline Testing	1	LS				
<b>SUBTOTAL</b>							
<b>II. PROPOSED UTILITY RELOCATIONS</b>							
10	12" HDPE DR11 Pipe (HDD)	450 1110	LF				
11	10" PVC C900 Pipe (Open-Cut)	920 280	LF				
12	20" Steel Casing with 10" Carrier Pipe (Jack and Bore)	90	LF				
13	12" DI Fitting- 11.25 deg	2	EA				
14	12"x10" DI Fitting- Reducer	2	EA				
15	10" DI Fitting - 45 deg	5	EA				
16	10"x4" DI Fitting - Reducer	1	EA				
17	4" DI Fitting - Tee	2	EA				
18	10" DI Plug Valve	1	EA				
19	6" AC Water Main Relocations	1	LS				
20	2" Above Ground Air Release Valve	1	EA				
21	Manhole Rehabilitation	3	EA				
22	Lift Station 32A Force Main Connection	1	LS				
23	MH-S1 Force Main Connection	1	LS				
24	Lift Station Water Service Modifications	1	LS				
25	Sidewalk Restoration <del>Repair</del>	70 45	SY				
26	Asphalt Driveway Repair	325 180	SY				
27	Sodding	4650 750	SY				
28	Landscaping/Irrigation Restoration	1	LS				
29	Remove and Replace Curb	80 60	LF				
30	Grout Fill and Abandon Existing Pipelines	30	CY				
31	Jack and Bore Utility Depth and Location Verification	1	LS				
32	SUE Locates for the Existing Force Main	1	LS				
33	Site Fence Restoration	1	LS				
<b>SUBTOTAL</b>							
<b>TOTAL SECTIONS I AND II</b>							
34 34	Contingency (10%)	10%	LS				
<b>GRAND TOTAL</b>							

Update Quantity  
Update Quantity  
Update Description  
Update Quantity & Description  
Update Quantity  
Update Quantity  
Update Quantity  
Added New Item  
Added New Item  
Added New Item  
Updated Line Item

BIDDER NAME \_\_\_\_\_

BIDDER SIGNATURE \_\_\_\_\_

Bidders must provide prices for each available line item on each tab for their bid to be considered responsive.

\*To be considered responsive, it is the sole responsibility of the bidder to correctly calculate and manually enter all sub-total, contingency and total bid price fields.

## SECTION 01150 MEASUREMENT AND PAYMENT

### PART 1 GENERAL

#### 1.01 SCOPE

- A. The scope of this section of the Contract Documents is to further define the items included in each Bid Item in the Bid Form section of the Contract Documents. Payment will be made based on the specified items included in the description in this section for each bid item.
- B. All contract prices included in the Bid Form section will be full compensation for all shop drawings, working drawings, labor, materials, tools, equipment and incidentals necessary to complete the construction as shown on the Drawings and/or as specified in the Contract Documents to be performed under this Contract. Actual quantities of each item bid on a unit price basis will be determined upon completion of the construction in the manner set up for each item in this section of the Specifications. Payment for all items listed in the Bid Form will constitute full compensation for all work shown and/or specified to be performed under this Contract.

#### 1.02 ESTIMATED QUANTITIES

The quantities shown are approximate and are given only as a basis of calculation upon which the award of the Contract is to be made. The County does not assume any responsibility for the final quantities, nor shall the Contractor claim misunderstanding because of such estimate of quantities. Final payment will be made only for satisfactorily completed quantity of each item.

#### 1.03 WORK OUTSIDE AUTHORIZED LIMITS

No payment will be made for work constructed outside the authorized limits of work.

#### 1.04 MEASUREMENT STANDARDS

Unless otherwise specified for the particular items involved, all measurements of distance shall be taken horizontally or vertically.

#### 1.05 AREA MEASUREMENTS

In the measurement of items to be paid for on the basis of area of finished work, the lengths and/or widths to be used in the calculations shall be the final dimensions measured along the surface of the completed work within the neat lines shown or designated.

#### 1.06 LUMP SUM ITEMS

Where payment for items is shown to be paid for on a lump sum basis, no separate payment will be made for any item of work required to complete the lump sum items. Lump sum contracts shall be complete, tested and fully operable prior to request for final payment. Contractor may be required to provide a break-down of the lump sum

totals.

## 1.07

### UNIT PRICE ITEM

Separate payment will be made for the items of work described herein and listed on the Bid Form. Any related work not specifically listed, but required for satisfactory completion of the work shall be considered to be included in the scope of the appropriate listed work items.

No separate payment will be made for the following items and the cost of such work shall be included in the applicable pay items of work. Final payments shall not be requested by the Contractor or made by the County until as-built (record) drawings have been submitted and approved by the County.

1. Project signs and photographs.
2. Removal, repair, replacement or relocation of all signs, walls, private irrigation systems and related items.
3. Rubbish and spoil removal.
4. Shop Drawings, Working Drawings.
5. Clearing, grubbing and grading except as hereinafter specified.
6. Trench excavation, including necessary pavement removal and rock removal, except as otherwise specified.
7. Dewatering and disposal of surplus water.
8. Structural fill, backfill, and grading.
9. Replacement of unpaved roadways, and shrubbery plots.
10. Cleanup & miscellaneous work.
11. Foundation and borrow materials, except as hereinafter specified.
12. Testing and placing system in operation.
13. Any material and equipment required to be installed and utilized for the tests.
14. Pipe, structures, pavement replacement, asphalt and shell driveways and/or appurtenances included within the limits of lump sum work, unless otherwise shown.
15. Maintaining the existing quality of service during construction.
16. Appurtenant work as required for a complete and operable system.
17. Seeding and hydromulching.

**BID ITEM NO. 1 - MOBILIZATION**

Measurement and payment for this Bid Item shall include full compensation for the required 100 percent (100%) Performance Bond, 100 Percent (100%) Payment Bond, all required insurance for the project and the Contractor's mobilization and demobilization costs as shown in the Bid Form. Mobilization includes, but it not limited to: preparation and movement of personnel, equipment, supplies and incidentals such as safety and sanitary supplies/ facilities.

Payment for mobilization shall not exceed 10 percent (10%) of the total Contract cost unless the Contractor can prove to the County that his actual mobilization cost exceeds 10 percent (10%).

Partial payments for this Bid Item will be made in accordance with the following schedule:

Percent of Original Contract Amount:	Percent Allowable Payment of Mobilization/Demobilization Bid Item Price:
5	25
10	35
25	45
50	50
75	75
100	100

These payments will be subject to the standard retainage provided in the Contract. Payment of the retainage will be made after completion of the work and demobilization.

**BID ITEM NO. 2 - MAINTENANCE OF TRAFFIC**

Payment for all work included, but is not limited to, under this Bid Item shall represent full compensation in accordance with the lump sum price bid for all maintenance of traffic including all local agencies and municipalities, and all equipment and manpower necessary to comply with the FDOT Design Standards 102 - 600 Series.

Measurement for periodic payments of this lump sum bid item will be in accordance with the approved Schedule of Values, to be supplied by the Contractor in accordance with the Contract Documents.

**BID ITEM NO. 3 - PRECONSTRUCTION VIDEO**

Payment for all work included in this Bid Item will be made at the applicable Contract lump sum bid for the preconstruction video of the existing site conditions. 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.

Measurement for periodic payments of this lump sum bid item will be in accordance with the approved Schedule of Values, to be supplied by the Contractor In accordance

with the Contract Documents.

#### **BID ITEM NO. 4 - EROSION AND SEDIMENT CONTROL**

Payment for all work included, but is not limited to, under this Bid Item shall represent full compensation in accordance with the lump sum price bid for erosion and sediment control, including inlet protection, silt fence, permitting if required, coordination with federal, state and local agencies and all equipment and manpower necessary to comply with necessary agencies.

Measurement for periodic payments of this lump sum bid item will be in accordance with the approved Schedule of Values, to be supplied by the Contractor in accordance with the Contract Documents.

#### **BID ITEM NO. 5 - CLEARING AND GRUBBING**

Payment for all work included under this Bid Item shall be quantified by the Contractor as a lump sum amount for all of the areas that will require clearing and grubbing for the pipe installation and in accordance with the plans and specifications. Clearing and grubbing shall include the removal and disposal of vegetation, trees, tree roots, rock, abandoned pipe and other features not part of the proposed improvements. The Contractor shall include the cost of any and all permitting required for the burning or disposal of removed trees and vegetation.

Unless otherwise indicated herein these documents or in the construction plans, clearing and grubbing includes a ten (10) foot strip along the pipeline route. The contractor will be responsible for making their own determination as to the acreage and quantity of clearing and grubbing.

Measurement for periodic payments of this lump sum bid item will be in accordance with the approved Schedule of Values, to be supplied by the Contractor In accordance with the Contract Documents.

#### **BID ITEM NO. 6 - PROJECT SIGNS**

Payment for all work included in this Bid Item will be made at the applicable Contract lump sum bid for the necessary signage required during construction. At least two (2) project signs should be used per project. 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.

Measurement for periodic payments of this lump sum bid item will be in accordance with the approved Schedule of Values, to be supplied by the Contractor In accordance with the Contract Documents.

#### **BID ITEM NO. 7 - BYPASS PUMPING**

Payment for all work included, but is not limited to, under this Bid Item shall represent full compensation in accordance with the lump sum price bid for any bypassing required to make connections to existing force mains, proposed force mains, manhole rehabilitation, existing manholes, and/or lift stations. Payment for all work included, but is not limited to, under this Bid Item shall also represent full compensation in

accordance with the lump sum price bid for all labor, fittings and appurtenances, excavation, dewatering, bedding, backfill, compaction, testing, equipment, line stops, necessary septage trucks, and the bypassing of the existing lift stations and manholes in order to complete the proposed improvements. Information on lift station 32A connected to the existing 10-inch force main are shown below for informational purpose only:

Lift Station #32A - RTU #303 - 3011 14ST.W. - 525 GPM at 31-ft TDH

Coordinate with Erik Gibson (Lift Station Superintendent) with Manatee County for shutdown of Lift Stations. At least five days' notice needs to be provided to Erik to coordinate shutdown. Phone Number: 941-792-8811 EXT 5377. Connection must also be made outside of peak hours between 9PM and 5AM. Contractor shall make provisions to have an adequate number of septage trucks available to bypass Lift Station 32A.

Measurement for periodic payments of this lump sum bid item will be in accordance with the approved Schedule of Values, to be supplied by the Contractor in accordance with the Contract Documents.

#### **BID ITEM NO. 8 - RECORD DRAWINGS**

Payment for all work included, but is not limited to, under this Bid Item shall represent full compensation in accordance with the lump sum price bid for as-built record drawings per specification section 01720 and the latest edition of the Manatee County Public Works Standards Manual. Also included is any other record drawing requirements for certifications to put proposed project into service. All items are subject to approval by the Engineer and the County.

Measurement for periodic payments of this lump sum bid item will be in accordance with the approved Schedule of Values, to be supplied by the Contractor In accordance with the Contract Documents..

#### **BID ITEM NO. 9 - PIPELINE TESTING**

Payment for all work included in this Bid Item will be made at the applicable Contract lump sum bid for test pigging, pressure testing, Bacteriological sampling, chlorination, and testing the proposed water main and force main, and coordination with the Engineer/FDEP for pipeline clearances per specification section 02617 and the latest edition of the Manatee County Public Works Standards Manual. Payment shall represent full compensation for all labor, chlorination and Bacteriological sampling ports, fittings, blow off assemblies, materials, chemicals, pumps, necessary equipment, and incidentals necessary to complete the work, ready for approval and acceptance by the County. No additional payment will be made for additional testing due to faulty work by the Contractor.

Measurement for periodic payments of this lump sum bid item will be in accordance with the approved Schedule of Values, to be supplied by the Contractor In accordance with the Contract Documents.

#### **BID ITEM NO. 10 - 12" HDPE DR11 PIPE (HDD)**

Payment for all work included in this Bid Item shall be made at the applicable Contract unit price bid per linear foot for furnishing and installing the 12" diameter HDPE DR 11 pipe by directional drill and associated connection pipe sections as shown on the Contract Drawings and listed on the Bid Form. As part of the testing methods for the HDPE pipe installation, the Contractor shall televise or pull a mandrel through the installed HDPE pipe to verify sound installation based on the County inspectors direction.

Measurement and Payment shall be made for the actual length of the 12" diameter pipe directional drilled and installed, and will represent full compensation for all labor, materials, excavation, including rock, dewatering, bedding, backfill, compaction, testing, pipe restraints (including MJ adapter with ductile iron gland and blue fluoropolymer coated high-strength low alloy steel conforming to AWWA C111 or 316 stainless steel hardware), dual tracer wires, mud trailer, removal of drilling mud, and equipment required to complete this Bid Item. Payment shall also include locating of existing utilities and restoration in the project area. Included in these bid items are the removal and replacement of existing roadway signs, traffic signalization loops, and irrigation systems required to construct the pipeline. Payment shall also include removal of existing abandoned pipelines and protecting and supporting power/light poles that may be in conflict with the pipeline construction. No additional compensation shall be made for excavation below the bottom of the pipe, for rock removal or bedding and backfill material, or for repair of any trench settlement.

#### **BID ITEM NO. 11 - 10" PVC C900 DR 18 PIPE (OPEN-CUT)**

Payment for all work included in this Bid Item shall be made at the applicable Contract unit price bid per linear foot for furnishing and installing the 10-inch diameter PVC force main (AWWA C900-16 DR 18) pipe as shown on the Contract Drawings and listed on the Bid Form. Measurement and Payment shall be made for the actual length of the listed diameter pipe and installed and will represent full compensation for all labor, materials including pipe bell joint restraints, blue fluoropolymer coated high-strength low alloy steel or 316 stainless steel hardware, tracer wire, marking tape, excavation, including rock, dewatering, bedding, backfill, compaction, and equipment required to complete these Bid Items, including removal of existing abandoned pipelines as necessary and protecting and supporting power/light poles that may be in conflict with the pipeline construction. Payment shall also include locating of existing utilities in the project area. Included in these bid items are the removal and replacement of existing roadway signs, traffic signalization loops, and irrigation systems required to construct the pipeline. No additional compensation shall be made for excavation below the bottom of the pipe, for rock removal or bedding and backfill material, or for repair of any trench settlement.

#### **BID ITEM NO. 12 - 20" STEEL CASING WITH 10" CARRIER PIPE (JACK AND BORE)**

Payment for all work included, but is not limited to, under this Bid Item shall represent full compensation in accordance with the unit price bid per linear foot of jack and boring including furnishing and installing 0.250-inch thick steel casing, 10-inch PVC C900 DR18 carrier pipe, pipe joint bell restraints, centered and restrained casing spacers, end seals with 316 stainless steel clamps, and 316 stainless steel hardware

furnished, installed as shown in the Contract Drawings, and accepted by the County. Pay Item also represent full compensation for all labor, materials, end seals, casing spacers, tracer wire, grout, excavation, including rock, dewatering, bedding, backfill, shoring, compaction, locating existing utilities, relocating existing utilities in conflict, testing and equipment required to complete these Bid Items. No additional compensation shall be made for excavation below the bottom of the casing pipe, for rock removal or bedding and backfill material, or for repair of any trench settlement. Payment shall represent full compensation for all labor, materials, equipment, restoration and incidental items necessary to complete.

Measurement for the steel casing and carrier pipe shall be per length foot as shown on the Plans. Excavation, including rock as necessary, bedding, backfill, dewatering, sheeting, testing and any and all other items necessary for a completed system in accordance with the Plans shall be included. Payment shall represent full compensation for all labor, materials, equipment, restoration, and incidental items necessary to complete.

**BID ITEM - DUCTILE IRON FITTINGS**

Payment for all work included in these Bid Items will be made at the applicable Contract unit price bid for furnishing and installing each listed ductile iron fitting (Holiday-Free Permox CTF or Tnemec Series 431 Perma-Shield PL epoxy lined) as shown on the Contract Drawings and listed on the Bid Form. Payment will be made for each fitting installed and will represent full compensation for all labor, material, excavation, blue fluoropolymer coated high-strength low alloy steel or uncoated 316 stainless steel hardware, mechanical joint restraint, including rock, bedding, backfill, compaction, polyethylene wrapping, testing and equipment required to complete these Bid Items.

BID ITEM	DESCRIPTION	UNITS
13	12" DI Fitting - 11.25 Degree Bend	EA
14	12" x 10" DI Fitting - Reducer	EA
15	10" DI Fitting - 45 Degree Bend	EA
16	10" x 4" DI Fitting - Reducer	EA
17	4" DI Fitting - Tee	EA

**BID ITEM NO. 18 - 10" D.I. PLUG VALVE**

Payment for all work included in this Bid Item shall be made at the applicable Contract unit price bid per each valve for furnishing and installing each plug valve, box, cover, concrete pad, and tracer wire test station box, as shown on the Contract Drawings and listed on the Bid Form. Payment shall represent full compensation for all labor, material, excavation, including rock as necessary, bedding, backfill, compaction, polyethylene wrapping all valves, testing, and equipment required to complete these Bid Items. All materials shall conform to the most updated version of the Manatee County Approved Product List and the latest edition of the Manatee County Public Works Standards Manual.

**BID ITEM NO. 19 - AC WATER MAIN RELOCATIONS**

Payment for all work included in these Pay Item shall be made at the applicable Contract lump sum bid for relocating and replacing existing asbestos concrete water mains with ductile iron class 350 pipe and ductile iron fittings to maintain existing utility service connections in areas of work. [This includes, but is not limited to, procurement, modification, and installation of all 6" and 8" water main pipe, 6" and 8" fittings, tracer wire, reconnection to existing water mains, and all other associated appurtenances needed to maintain the existing water main connection.](#) Pay Items also represent full compensation for all labor, materials, excavation, including dewatering, bedding, backfill, compaction, testing, disinfection, and equipment required to complete these Pay Items. All materials shall conform to the most updated version of the Manatee County Approved Product List. Payment shall include cutting and disposal of asbestos concrete pipe which must be performed by a Florida-licensed Asbestos Abatement Contractor. Contractor must furnish all permits, labor, material, services, insurance, tools, equipment, and notifications in accordance with EPA, OSHA, State, and all other applicable agencies to handle and remove asbestos material. Specifically, refer to EPA 40 CFR Part 61. No additional compensation shall be made for excavation below the bottom of the pipe, for rock removal or bedding and backfill material, or for repair of any trench settlement. No additional compensation shall be made for extensive dewatering or any water treatment services or equipment that may be required for contaminated groundwater.

[Measurement for periodic payments of this lump sum bid item will be in accordance with the approved Schedule of Values, to be supplied by the Contractor In accordance with the Contract Documents.](#)

#### **BID ITEM NO. 20 - 2" ABOVE GROUND AIR RELEASE VALVE**

Payment for all work included in this Bid Item shall be at the applicable Contract unit price bid per each air release valve for furnishing and installing the listed diameter air release valve, 316 stainless steel backflush attachments, bollards, piping, fittings, box, cover, enclosure, and concrete pad as shown on the details in the Contract Drawings and listed on the Bid Form. Payment shall represent full compensation for all labor, material, excavation, including rock as necessary, bedding, backfill, compaction testing, and equipment required to complete these Bid Items.

#### **BID ITEM NO. 21 - MANHOLE REHABILITATION**

Payment for work under this Bid Item shall be made at the Contract unit price bid for each manhole rehabilitation including removing the existing liner if applicable, pressure washing, injection grouting to stop any infiltration, concrete restoration to ensure a smooth surface for coating, applying a primer and protective liner per specification section 02064 and as shown on the Contract Drawings, repairing dilapidated bench work and inverts, installing a rainwater dish, and replacing manhole frame and cover with County approved products as shown on the Contract Drawings. The proposed manhole frame and cover shall be made of heavy duty composite materials with min. three (3) 316 stainless steel bolts and associated hardware. Payment shall represent full compensation for all labor, materials, fittings, necessary equipment, and incidental items necessary to complete each manhole rehabilitation, ready for approval and service by the County.

This pay item shall also include any restoration associated with the manhole rehabilitation, including but not limited to sidewalk, grass, and miscellaneous

concrete, in accordance with the Contract Documents shall be included. No additional compensation will be made by the County for any damage to manhole structures due to liner installation. It shall be the responsibility of the Contractor to repair the manhole structure. Repair work shall ensure manhole structure is structurally rigid and leakproof. Sealants used shall be flexible and withstand horizontal and vertical movement due to traffic loading and shall be approved by the County.

#### **BID ITEM NO. 22 - LIFT STATION 32A FORCE MAIN CONNECTION**

Payment for all work included, but is not limited to, under these Bid Items shall be made at the applicable Contract lump sum bid for force main connection. Payment for all work included, but is not limited to, under this Bid Item shall represent full compensation in accordance with unit price bid for all labor, 4" ductile iron class 350 spool pieces, additional necessary fittings not shown on the Contract Drawings (Holiday-Free Permax CTF or Tnemec Series 431 Perma-Shield PL epoxy lined), polyethylene wrapped fittings and restraints, grout, excavation, dewatering, bedding, backfill, compaction, testing, equipment, and thrust blocks for the force main connection. Contractor shall make provisions to have an adequate number of septage trucks available to make the necessary force main connections.

Coordinate with Erik Gibson (Lift Station Superintendent) with Manatee County for shutdown of Lift Stations. At least five days' notice needs to be provided to Erik to coordinate shutdown. Phone Number: 941-792-8811 EXT 5377. Connection must also be made outside of peak hours between 9PM and 5AM.

[Measurement for periodic payments of this lump sum bid item will be in accordance with the approved Schedule of Values, to be supplied by the Contractor In accordance with the Contract Documents.](#)

#### **BID ITEM NO. 23 - MH-S1 FORCE MAIN CONNECTION**

Payment for all work included, but is not limited to, under these Bid Items shall be made at the applicable Contract lump sum bid for force main connection. Payment for all work included, but is not limited to, under this Bid Item shall represent full compensation in accordance with unit price bid for all labor, removal and disconnection of the existing force main from MH-S1 and all required labor and materials necessary, installation and connection of the proposed force main to MH-S1, cast-in resilient boot or seal connectors in accordance with ATM C923, 316 stainless steel hardware and connector bands, polyethylene wrapped fittings and restraints, removal of any additional pipe necessary, repairing manhole internal coating, [replacing the manhole bench](#), grouting, excavation, dewatering, bedding, backfill, compaction, testing, equipment, and thrust blocks for the force main connection to MH-S1. [Cost for manhole rehabilitation is included in bid item #21.](#) Contractor shall make provisions to have an adequate number of septage trucks available to make the necessary force main connections.

[Measurement for periodic payments of this lump sum bid item will be in accordance with the approved Schedule of Values, to be supplied by the Contractor In accordance with the Contract Documents.](#)

#### **BID ITEM NO. 24 - LIFT STATION WATER SERVICE MODIFICATION**

Payment for all work included in this Bid Item will be made at the applicable Contract lump sum bid for upgrading the existing water service to a 2-inch water service at Lift Station #32A. Included in this bid item is all work required for removing the existing service saddle and replacing with a new saddle and threaded plug, furnishing a new service saddle, 2" polyethylene tubing, removing and replacing the existing backflow prevention assembly and concrete pad with a 2" backflow prevention & meter assembly per detail US-15A, and furnishing and installing the hose bib & camlock connection assembly, as shown on the plans. Payment shall represent full compensation for all labor, materials, fittings, appurtenances, piping, concrete, necessary equipment, restoration, and incidentals necessary to complete the work, ready for approval and acceptance by the County.

Measurement for periodic payments of this lump sum bid item will be in accordance with the approved Schedule of Values, to be supplied by the Contractor In accordance with the Contract Documents.

#### **BID ITEM NO. 25 - SIDEWALK RESTORATION**

Payment for all work included under this Bid Item will be made at the Contract unit price bid per square yard of concrete sidewalk installed as shown in the Contract Drawings and as listed on the Bid Form. Measurement will be based on the actual number of square yards of concrete sidewalk installed, tested, completed and approved. No payment for restoration of a private driveway within or outside the right-of-way shall be made under this Bid Item. Sidewalks shall meet the requirements of the Manatee County Transportation Design Standards if in Manatee County right-of-way or FDOT sidewalk standards if in FDOT right-of-way and the Specifications herein.

#### **BID ITEM NO. 26 - ASPHALT DRIVEWAY RESTORATION**

Payment for all work included in this Bid Item will be made at the applicable Contract unit price bid per square yard of asphalt driveway restoration as listed on the Bid Form. Measurement of asphalt driveway restoration will be per the actual number of square yards of asphalt driveway repaired. Payment shall represent full compensation for all labor, materials and equipment for cutting the edges of existing driveways, compacting subgrade, furnishing and installing the asphalt, including all incidentals necessary to complete the driveway restoration as shown on the Contract Drawings and included in the Specifications, all ready for approval and acceptance by the County. Driveways shall be repaired to match existing thicknesses or thicknesses specified in the Contract documents, whichever is greater.

#### **BID ITEM NO. 27 - SODDING**

Payment for all work included in this Bid Item will be made at the applicable Contract unit price bid per square yard for furnishing and installing sodding to restore areas to preconstruction conditions, as 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.

#### **BID ITEM NO. 28 - LANDSCAPING/IRRIGATION RESTORATION**

Payment for all work included in this Bid Item will be made at the applicable Contract lump sum price for furnishing and installing all landscape disturbed during construction including all plants, trees, piping, valves, ~~fencing, brick and concrete fence pillars~~, irrigation, and all associated equipment and materials as shown on the Contract Drawings. 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.

Measurement for periodic payments of this lump sum bid item will be in accordance with the approved Schedule of Values, to be supplied by the Contractor In accordance with the Contract Documents.

#### **BID ITEM NO. 29 - REMOVE AND REPLACE CURB**

Payment for all work included in this Bid Item will be made at the applicable Contract unit price bid per linear foot for removal of existing curbing and for furnishing and placing the same type of curb with expansion joints. Measurement will be per actual number of linear feet of curbing installed. Payment shall represent full compensation for removal of existing curb and all labor, material and equipment for compacting subgrade, forming, furnishing, placing the concrete, installing expansion joints, saw cutting, and finishing as specified and all incidentals necessary for completion of this Bid Item, ready for approval and acceptance by the County.

#### **BID ITEM NO. 30 - GROUT FILL & ABANDON EXISTING PIPELINES**

Payment for all work included, but is not limited to, under this Bid Item shall represent full compensation in accordance with the unit price bid per cubic yard of grout fill that is required to abandon all of the existing pipelines to be deactivated; wasted/spilled grout will not be paid for, only the required amount of grout in the abandoned pipe. Payment will include all equipment, labor, fittings including plugs and caps whether shown on the plans or not, decommissioning valves, removal of valve boxes, restraints, concrete blocks, temporary connections, flushing of existing pipelines, and appurtenances required to abandon the existing mains in accordance with County standards.

The existing pipelines that are being grouted and abandoned must be cut and capped at a maximum distance of 2,000 linear foot segments. The caps must have offset grout port on the top side of the cap. The County preferred grout mix in the contract specifications must be used.

#### **BID ITEM NO. 31 - JACK AND BORE EXISTING UTILITY DEPTH AND LOCATION VERIFICATION**

Payment for all work included in this Bid Item will be made at the applicable Contract lump sum price for existing utility elevation and location verification at the jack and bore location (east and west side of 14<sup>th</sup> Street West). Payment shall represent full compensation for all labor, materials and equipment for cutting edges of existing curb/sidewalk, curb/sidewalk restoration, sod restoration, excavating and dewatering to locate the existing utilities within the specified area on the Contract Drawings and included in the Specifications, all ready for approval and acceptance by the County.

Measurement for periodic payments of this lump sum bid item will be in accordance

with the approved Schedule of Values, to be supplied by the Contractor In accordance with the Contract Documents.

**BID ITEM NO. 32 - SUE LOCATES FOR THE EXISTING FORCE MAIN**

Payment for all work included in this Bid Item will be made at the applicable Contract lump sum price for the subsurface utility exploration (SUE) and restoration to verify the existing depth and elevation of the existing force main/casing on both sides of 14th Street West and update the record drawings with this information. Payment shall represent full compensation for all labor, materials and equipment for SUE exploration, restoration, excavating and dewatering to locate the existing force main within the specified area on the Contract Drawings and included in the Specifications, all ready for approval and acceptance by the County.

Measurement for periodic payments of this lump sum bid item will be in accordance with the approved Schedule of Values, to be supplied by the Contractor In accordance with the Contract Documents.

**BID ITEM NO. 33 - SITE FENCE RESTORATION**

Payment for all work included in this Bid Item will be made at the applicable Contract lump sum price for the removal and replacement of the site fence as necessary to complete the proposed directional drill and jack and bore construction. Payment shall represent full compensation for all labor, materials, to replace the concrete fencing and lift station site fence, brick and concrete fence pillars, chain link fence, and all associated equipment and materials as shown on the Contract Drawings. 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.

Measurement for periodic payments of this lump sum bid item will be in accordance with the approved Schedule of Values, to be supplied by the Contractor In accordance with the Contract Documents.

**BID ITEM NO. 34 - CONTRACT CONTINGENCY**

Payment for all work under this Bid Item shall be made only at the County's discretion. This Bid Item shall not exceed 10% of the Bidders Total Base Bid. The Bidder shall calculate and enter a dollar amount for this Bid Item.

**PART 2      PRODUCTS (NOT USED)**

**PART 3      EXECUTION (NOT USED)**

**END OF SECTION**



Flow Report					
DFLOW Report with Station Filter 2153					
From 00:00 09/12/23	To 24:00 09/12/23	Time Filter 00:00 - 24:00			
12-Sep-23					
Station Name	Station Number	Cycles	Avg Inflow GPM	Avg Pump Rate GPM	Total Gallons
32A 303SC	2153	72	41.28	92.5	58596
End of Report					

**ATTENDANCE RECORD**  
**MANDATORY SITE TOUR**

**Title:** IFBC No. 23-TA004807DJ, Force Main 32A Replacement.

**Location:** Force Main 32A Replacement  
3011 Business 41  
Bradenton, FL 34205  
East side of the road, just South of 30<sup>th</sup> Ave W.

**Date / Time:** September 6, 2023, at 9:00 am

Attendee Name	Company	Phone and Email Address
Dave Janney	MCG Procurement	941-749-3056, Dave.Janney@MyManatee.org
Diego Nunez	Metro Equipment Services	954-214-7619, jfonte@mesinc.us
Larry Roof	ADS - Accurate Drill	521-748-0130 Larry@ADSPipeDrilling.com
Chuck Emering	"	" Emering@accuratedrilling.com
Jeff Harbort	Harrold McBurney	813 621 7171
Dennis Holt	Woodruff & Sons, Inc.	941-756-1891 dennis@woodruffandsons.com
Albert Rosenstein	MCDW	941-708-7450 albert.rosenstein@mymanatee.org
Michael DeCarolis	MCSB	941-928-3267 michael@mcscservicesllc.com
CRAIG WINDGARD	HMCB	937-951-6593 clindora@hmcbs.com
Emme Waterman	Benchmark Construction	863-585-3440 emmew@bmk8.com

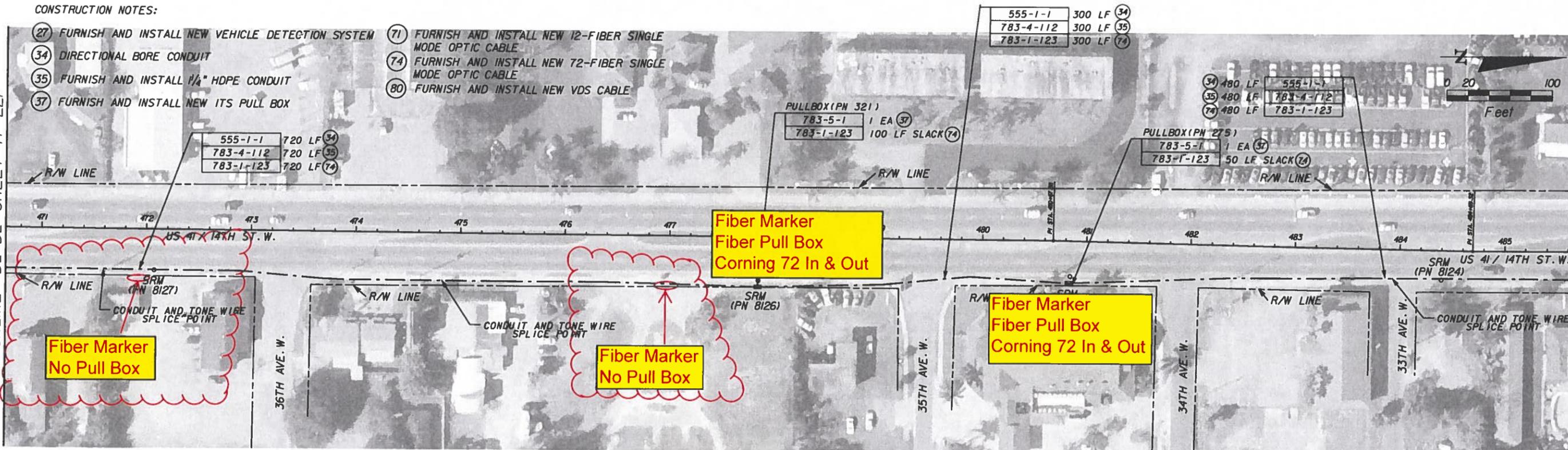


CONSTRUCTION NOTES:

- (27) FURNISH AND INSTALL NEW VEHICLE DETECTION SYSTEM
- (34) DIRECTIONAL BORE CONDUIT
- (35) FURNISH AND INSTALL 1/4" HDPE CONDUIT
- (37) FURNISH AND INSTALL NEW ITS PULL BOX
- (71) FURNISH AND INSTALL NEW 12-FIBER SINGLE MODE OPTIC CABLE
- (74) FURNISH AND INSTALL NEW 72-FIBER SINGLE MODE OPTIC CABLE
- (80) FURNISH AND INSTALL NEW VDS CABLE

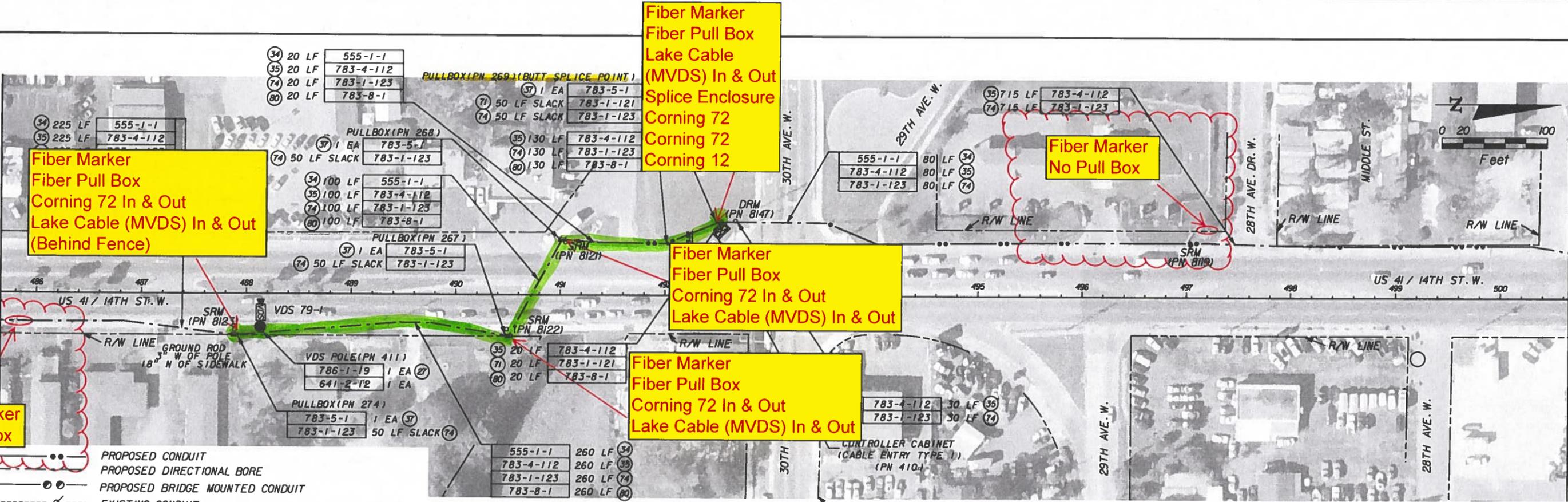
MATCHLINE "DL-DL" SHEET IT-221

MATCHLINE "DM-DM" SHEET IT-222



MATCHLINE "DM-DM" SHEET IT-222

MATCHLINE "DN-DN" SHEET IT-223



- PROPOSED CONDUIT
- PROPOSED DIRECTIONAL BORE
- PROPOSED BRIDGE MOUNTED CONDUIT
- EXISTING CONDUIT
- (PN XXXX) = GPS POINT NUMBER
- SRM = STANDARD ROUTE MARKER
- DRM = DESIGNATING ROUTE MARKER

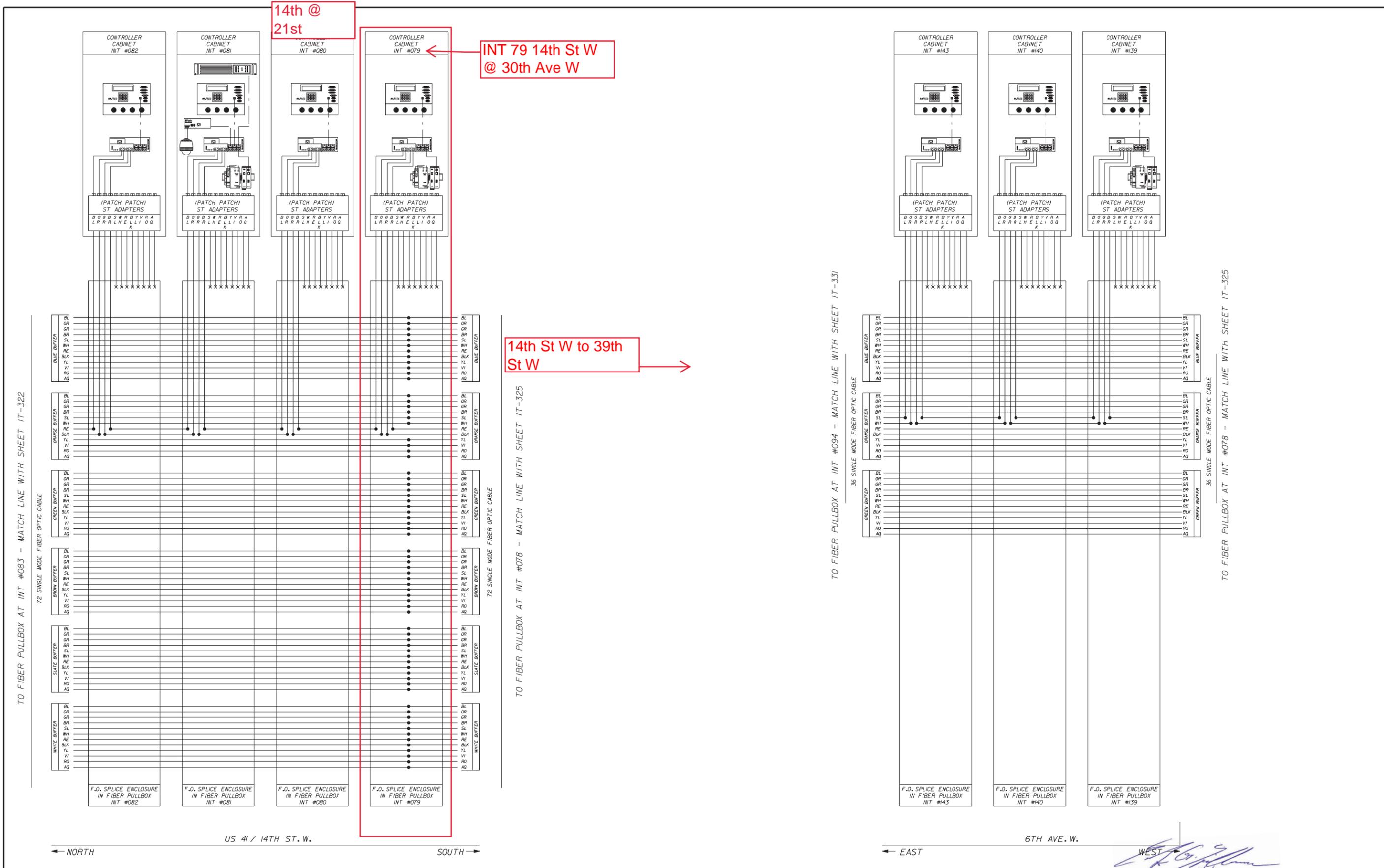
REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

F.R. Aleman & Associates Inc.  
 10305 N.W. 41 STREET  
 Suite 200  
 MIAMI FL 33178  
 Tel: (305) 591-8777  
 C.A. No. EB 4658  
 Erik Spillmann, P.E. No. 58771

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
	MANATEE	416119-1-52-01

**INTERCONNECT PLANS**  
**US 41 / 14TH ST. W.**

SHEET NO.  
IT-222



REVISIONS					
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

**F.R. ALEMAN & Associates, Inc.**  
 10305 N.W. 41 STREET  
 Suite 200  
 MIAMI FL 33178  
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 C.A. No. EB 4658  
 Erik Spillmann, P.E. No. 58771

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
	MANATEE	416119-1-52-01

  
 5/14/19

FIBER OPTIC SCHEMATICS

SHEET NO.  
IT-334