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Purchasing Division
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Email

June 23, 2017

TO: All Interested Bidders

SUBJECT: Invitation for Bid (IFB) #17-0101DC
Village of Parrish Force Main and Master Pump Station

ADDENDUM 6

Bidders are hereby notified that this Addendum shall be acknowledged on the Bid Form and made a part of the above named bidding and contract documents.

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

1. Bid Opening is extended to **August 1, 2017 at 3:30 P.M.**, same location.
2. See attached information as prepared by Stantec Consulting Services, Inc., the project engineer.
3. Bid Form is revised as stated herein and replaced in its entirety with the attached.
4. Specifications are revised as stated herein and replaced in their entirety with the attached.
5. Plans are revised as stated herein and replaced in their entirety with the attached.

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

Bids will be received at Manatee County Procurement, 1112 Manatee Avenue West, Suite 803, Bradenton, Florida 34205 until **August 1, 2017 at 3:30 P.M.**

Sincerely,

Melissa M. Wendel, CPPO
Purchasing Official

**IFB 0101DC VILLAGE OF PARRISH FORCE MAIN & MASTER PUMP STATION
STANTEC CONSULTING SERVICES, INC. - RESPONSE TO QUESTIONS
ADDENDUM 6 ATTACHMENT**

1. The following revisions have been made to the **Technical Specifications** for Village of Parrish Master Pump Station and Village of Parrish Wastewater Force:

- I. Village of Parrish MPS

- A. *Section 01150, Measurement & Payment*

- i. Bid Item 2.0, Site Demolition and Clearing
 - a. Added language to specify removal of structures
- ii. Bid Item 3.0, Building Permit Fee Allowance
 - a. Item added (LS)
- iii. Bid Item 4.0, BMP's & Erosion Control Measures
 - a. Item added (LS)
- iv. Bid Item 8.0, Gate Valves
 - a. Added clarification language
 - b. Bid Item 8.2, 16" Gate Valve (EA), quantity change from 5 to 4
 - c. Bid Item 8.3, 18" Gate Valve (EA), quantity change from 2 to 1
 - d. Bid Item 8.4, 30" Gate Valve (EA), quantity change from 1 to 2
- v. Bid Item 9.0, Water Service Connection and Meter Box Assembly
 - a. Item partitioned
 - b. Bid Item 9.1, 1" WSC w/Meter Box, added (EA)
 - c. Bid Item 9.2, 2" WSC w/o Meter Box, added (EA)
- vi. Bid Item 10.0, Backflow Preventer Assembly (BFP)
 - a. Item partitioned
 - b. Bid Item 10.1, ¾" BFP (EA), added
 - c. Bid Item 10.2, 1" BFP w/Meter (EA), added
 - d. Bid Item 10.3, 2" BFP w/Meter (EA), added
- vii. Bid Item 17.0, Traffic Signs
 - a. Item added (EA)
- viii. Bid Item 18.0, Concrete Gravity Retaining Wall
 - a. Consolidated wall (18.1) and foundation (18.2) items into a single entry (CY)
- ix. Bid Item 19.0, Chain Link Fence and Gates
 - a. Partitioned chain link fence item
 - b. Included language to incorporate barb wire.
 - c. Bid Item 19.1, Chain Link Fence on Ground (LF), added
 - d. Bid Item 19.2, Chain Link Fence on Gravity Wall (LF), added
 - e. Bid Item 19.3, Cantilever Gates (EA), added
 - f. Bid Item for Roll Gates removed

- B. *Section 02575, Pavement Repair and Restoration*
 - i. Modify Part 2, 2.01 (B) to read, "...8" minimum compacted thickness."
- C. *Section 099600, High Performance Coatings*
 - i. Section added in entirety

II. Village of Parrish FM

- A. *Section 01150, Measurement & Payment*
 - i. Bid Item 4.0, Roadway Restoration
 - a. Changed language for added clarification
 - ii. Bid Item 5.0, FDOT Stormwater Culverts
 - a. Item added
 - b. Bid Item 5.1, Headwall & ERCP @ STA 20+30 (EA), added
 - c. Bid Item 5.2, Headwall & ERCP @ STA 36+15 (EA), added
 - iii. Bid Item 6.4, 24" AWWA C-905, DR-18 PVC Force Main
 - a. Item added (LF)
 - iv. Bid Item 10.2, 8" Gate Valve
 - a. Item added (EA)
 - v. Bid Item 14.2, 18" Force Main Connection
 - a. Corrected stationing from STA 206+25 to STA 206+37
- B. *Section 01153, Change Order Procedures*
 - a. Complete replacement of Part 1, 1.01
 - b. Complete replacement of Part 1, 1.09
- C. *Section 01580, Project Identification and Signs*
 - i. Modify Part 1, 1.02(A) to read, "Two (2) painted signs..."
- D. *Section 01590, County's Field Office*
 - i. Section deleted in entirety
- E. *Section 02064, Modifications to Existing Structures, Piping, and Equipment*
 - i. Complete replacement of Section
- F. *Section 02221, Trenching, Bedding, and Backfilling for Pipe*
 - i. Complete replacement of Part 2
 - ii. Complete replacement of Part 3
- G. *Section 02223, Excavation Below Grade and Crushed Stone or Shell Refill*
 - i. Complete replacement of Part 3, 3.02(A)
- H. *Section 02260, Finish Grading*
 - i. Complete replacement of Part 3, 3.01 (B)
- I. *Section 02513, Asphalt Concrete Paving*
 - i. Modify Part 3, 3.01 (B)5 to read, "...98% of maximum density: ASTM D 1557...."
- J. *Section 02575, Pavement Repair and Restoration*

- i. Modify Part 2, 2.01(B) to read, "...LBR of 140 compacted to 98% T-180 AASHTO density."
 - ii. Complete replacement of Part 3, 3.02(C)
 - K. *Section 02615, Ductile Iron Pipe and Fittings*
 - i. Complete replacement of Part 2
 - L. *Section 02617, Installation and Testing of Pressure Pipe*
 - i. Complete replacement of Section
 - M. *Section 02619, Horizontal Directional Drilling*
 - i. Complete replacement of Part 3, 3.08(M)
 - ii. Complete replacement of Part 3, 3.08(N)
 - iii. Complete replacement of Part 3, 3.09
 - N. *Section 02620, Polyethylene (PE) Pressure Pipe*
 - i. Complete replacement of Part 2, 2.01
 - ii. Complete replacement of Part 2, 2.02
 - iii. Complete replacement of Part 3, 3.02
 - O. *Section 02622, Polyvinyl Chloride (PVC) Pipe and Fitting (AWWA Specifications C900 & C905)*
 - i. Complete replacement of Part 1, 1.01
 - ii. Complete replacement of Part 2
 - iii. Complete replacement of Part 3
 - P. *Section 02640, Valves and Appurtenances*
 - i. Complete replacement of Section
 - Q. *Section 03410, Precast Concrete Structures*
 - i. Complete replacement of Part 2
 - ii. Complete replacement of Part 3, 3.01(C)
 - iii. Complete replacement of Part 3, 3.01(F)
 - iv. Complete replacement of Part 3, 3.01(K)
 - v. Complete replacement of Part 3, 3.04
 - R. *Section 09970, Surface Protection Spray System*
 - i. Modify Part 2, 2.02(A) by deleting the following:
 - a. 3. IET System 3
 - b. 4. Rubberseal
 - c. 8. Warren Environmental 301-18
 - ii. Modify Part 2, 2.02(A) by adding the following:
 - a. 6. Sauereisen 210 System: (210T & 210GL – Manatee County Light Brown Formula)
 - iii. Modify Part 3, 3.02(H)1 to read, "...accordance with the following table or manufacturer's recommendation, whichever is greater:"

2. The following revisions have been made to the **Plan Sheets** for Village of Parrish Master Pump Station and Village of Parrish Wastewater Force Main:

I. Village of Parrish MPS

- A. Cover Sheet
 - i. Updated revisions list
- B. Sheet 2 of 12, General Notes
 - i. Removed note 39
- C. Sheet 4 of 12, Paving, Grading & Drainage Plan
 - i. Added FDOT descriptors to stormwater structures
 - ii. Reposition 30" line
 - iii. Replace and reposition S-6 FDOT Type E Structure
 - iv. Added a 30" Gate Valve w/Actuator, pad, fence, & bollards
- D. Sheet 5 of 12, Yard Piping Plan
 - i. Changed 1" to 2" for sump discharge
 - ii. Adjusted water service/non-potable language to read clearly
 - iii. Reposition 30" line
 - iv. Replace and reposition S-6 FDOT Type E Structure
 - v. Added a 30" Gate Valve w/Actuator, pad, fence, & bollards
- E. Sheet 6 of 12, Plan and Profile
 - i. Reposition 30" line
 - ii. Replace and reposition S-6 FDOT Type E Structure
 - iii. Added a 30" Gate Valve w/Actuator, pad, fence, & bollards
 - iv. Changed out "plug" language for "cap"
- F. Sheet 10 of 12, Drainage and Miscellaneous Details
 - i. Double Swing Gate detail removed
 - ii. Barb Wire option added to fence detail
 - iii. Fence notes remove gate types except for Cantilever option
- G. Sheet 11 of 12, Drainage and Miscellaneous Details
 - i. Added depths to Sump Discharge detail
- H. Sheet L1 of 2, Landscape Plan
 - i. Reposition 30" line
 - ii. Added a 30" Gate Valve w/Actuator, pad, fence, & bollards
- I. Sheet L2 of 2, Landscape Details
 - i. Reposition 30" line
 - ii. Added a 30" Gate Valve w/Actuator, pad, fence, & bollards
- J. Sheet IR1 of 2, Irrigation System Plan
 - i. Reposition 30" line
 - ii. Added a 30" Gate Valve w/Actuator, pad, fence, & bollards
- K. Sheet A2, MPS Floor Plan
 - i. Remove details 3 and 4 for Influent Flow Meter Vault and 2" FM Line with sump pump

- L. Sheet P1, Plumbing Plan
 - i. Removed Influent Flow Meter Vault and 2" FM Line with sump pump
- M. Sheet E2 of 17, Electrical Site Plan
 - i. Reposition 30" line
 - ii. Added a 30" Gate Valve w/Actuator, pad, fence, & bollards
- II. Village of Parrish FM
 - A. Cover Sheet
 - i. Updated revisions list
 - B. Sheet 14, Erie Rd., STA 70+00 to 76+00
 - i. Replace and reposition background image of S-6 FDOT Type E Structure from MPS project
 - C. Sheet 15, 121st Ave E, STA 103+00 to 107+00
 - i. Replace and reposition background image of S-6 FDOT Type E Structure from MPS project
 - D. Sheet 25, Plan and Profile 77th St E, STA 304+00 to 308+00
 - i. Reduced 6" FM length approx. 20'
 - ii. Adjusted trajectory and increased length of Future 6" FM casing (by others)
 - E. Sheet 27, Plan and Profile 72nd St E, STA 404+00 to 408+00
 - i. Adjusted trajectory and increased length of Future 6" FM casing (by others)

GENERAL NOTES

1. Additional notes pertaining to surveyed record drawings:
 - I. The surveyed record drawings for this project are to be completed using the NAVD 1988 Datum. The design utilized the NGVD 1929 Datum. Plan and profile elevation related data will be updated and include the bench marks tied to the 1988 Datum.
2. The Erie Road Segment or a portion of that force main may be constructed by others to expedite during certification and placement into service. The Contractor shall hold the unit costs bid for the remaining force main should this occur.

E-mail dated 2/24/17 –

1. Regarding the building permit that we discussed yesterday, what pay item will the contractor use to pay the fee? Is it spelled out in the Specs?

- a. Bid item 3.0, "Building Permit Fee Allowance," in the amount of \$5,000.00 has been provided in technical specification Section 01150, Measurement & Payment, and on the updated bid form.
 - b. Technical specification Section 01030 paragraph 1.01 – Special Project Procedures (amongst others) provides guidance for permit requirements.
2. Since mobilization is restricted to 5%, please add a pay item for: "Miscellaneous Work & Cleanup". This is necessary to have a place to incorporate general conditions and incidentals not covered in the pay items.
- a. See technical specification Section 01150 paragraph 1.07, item 7, for Measurement and Payment, where this work is to be included in applicable pay items of work.
3. Per the discussion at the pre-bid, please find the performance data, technical data, and dimensional data for the pump we are submitting for approval as an alternate attached to this e-mail. Please let me know if anything else is required for consideration and please have any of your team members or consulting engineers give me a call any time if they have any questions or if there is anything else I can do to help.
- a. Being reviewed.

E-mail dated 2/28/17 –

4. Unable to locate Soil Report for the project is one available can one be provided.
- a. A soil report was previously produced for the MPS however none are available for the Force Main.
5. Reference drawing 3 of 12 Site and Demolition Plan. Understand contractor's responsibility to visit site is the house and pole barn still on site. If so is there a lead paint and asbestos survey.
- a. House and pole barn have been demolished and according to County records an asbestos abatement/wet demolition was performed.
6. The generator specification shows a 72-hr base tank but the plumbing drawings reflect a free-standing tank. Which is correct?
- a. This question has been answered in addendum 1, utilize the free-standing fuel tank.

E-mail dated 3/02/17 –

7. At the pre-bid meeting, the issue of water for testing the pumps at the new pump station was discussed and Mr. Branning indicated the County would determine a source for getting water to the site, please provide this source and method for connecting.
 - a. Reclaimed water will be available through the 18-inch Cone Ranch Force Main from the east.

8. Reference Sheet 4 of 12 of the Master Pump Station plans, there is a concrete gravity wall on the north and east perimeter. FDOT Index 6011 is for the gravity wall and gravity wall is poured in one pour as the cross sections on sheet 4 show. On the bid form, item 15.1 calls for retaining wall foundation and 15.2 calls for concrete retaining wall. IF you combine these quantities it is close to what the gravity wall quantity would be, but I am unsure why there are 2 line items. Please ask the EOR to clarify, typically gravity wall is bid as 'Concrete, NS Gravity Wall' by the CY.
 - a. Bid items 15.1 and 15.2 for gravity wall foundation and gravity wall have been consolidated and are now bid item 18.0 in technical specification Section 01150, Measurement & Payment, and on the updated bid form.

E-mail dated 3/03/17 –

9. Regarding the Force Main side of this job, are there any soil borings in the vicinity of the pipe line route, especially in the directional drilled areas? If so, please make them available for our evaluation.
 - a. No soils report available.

10. Reference Force Main plans, plan sheet 6, at station 24+85 the plan shows an 8-inch gate valve, there is no pay item for an 8-inch gate valve, please add bid item.
 - a. Bid item 10.2, "8" Gate Valve" has been added to technical specification Section 01150, Measurement & Payment, and on the updated bid form.

11. Reference Force Main plans, plan sheet 10, at station 46+06, the plan shows installing 24-inch gate valves, fittings and plugs but bid form does not have a 24-inch pipe pay item where we get compensated for these fittings in, please add a bid item for 24-inch pipe.
 - a. Bid item 6.4, "24" AWWA C-905, DR-18 PVC Force Main" has been added to technical specification Section 01150, Measurement & Payment, and on the updated bid form.

12. Reference Force Main plans, plan sheet 5, at station 20+30, there is a note to "REMOVE & REPLACE HEADWALL & ERCP PER FDOT INDEX 250 TO FACILITATE FORCE MAIN CONSTRUCTION" there is no bid item for this scope of work, how are we to be compensated? Please add a bid item.

- a. Bid item 5.1, for "Headwall & ERCP @ STA 20+30" has been added to technical specification Section 01150, Measurement & Payment, and on the updated bid form.

13. Reference Force Main plans, plan sheet 8, at station 36+15, there is a note to "REMOVE & REPLACE HEADWALL & ERCP PER FDOT INDEX 250 TO FACILITATE FORCE MAIN CONSTRUCTION, RESTORE SWALE WITH RIP-RAP" there is no bid item for this scope of work, how are we to be compensated? Please add a bid item.
 - a. Bid item 5.2, for "Headwall & ERCP @ STA 36+15" has been added to technical specification Section 01150, Measurement & Payment, and on the updated bid form.

14. Reference Force Main Plans, plan sheet 8, at station 39+30, there is a note to "REMOVE & REPLACE GUY WIRE & COORDINATE WITH POWER COMPANY TO HOLD POLE TO FACILITATE FORCE MAIN CONSTRUCTION: there is no bid item for this scope of work, how are we to be compensated? Please add a bid item.
 - a. Included in cost of pipe.

15. Reference Force Main plans, plan sheet 9, at station 41+40, there is a note to "REMOVE & REPLACE RCP TO FACILITATE FORCE MAIN CONSTRUCTION" there is no bid item for this scope of work, how are we to be compensated? Please add a bid item.
 - a. Included in cost of pipe.

16. Reference Force Main Plans, plan sheet 11, at station 52+60, there is a note to "REMOVE & REPLACE RCP TO FACILITATE FORCE MAIN CONSTRUCTION" there is no bid item for this scope of work, how are we to be compensated? Please add a bid item.
 - a. Included in cost of pipe.

17. Reference Force Main plans, plan sheet 21, at station 52+60, middle of the page on the right-hand side, there are two (2) notes, "1. CONTRACTOR SHALL COORDINATE WITH UTILITIES TO HOLD UTILITY POLE DURING CONSTRUCTION" and "2. CONTRACTOR SHALL REMOVE AND REINSTALL OR REPLACE FENCE WITH EQUAL MATERIAL" there is no bid item for this scope of work, how are we to be compensated? Please add a bid item.
 - a. Included in cost of pipe.

18. Reference Force Main plans, plan sheet 22, at station 202+00, it appears the fence to be removed and reinstalled or replaced with equal material is in the public Right-of-Way, why isn't the property owner responsible to remove their property from the public Right-of-Way?

- a. Contractor to remove and replace fence. Included in cost of pipe.
19. Reference Force Main plans, plan sheet 28, Detail UG-12, Note 5, there is no bid item to compensate the Contractor for this structural lift of asphalt, please provide bid item.
- a. Included in bid item 4.0 for "Roadway Restoration," in technical specification Section 01150, Measurement & Payment, and on the updated bid form.
20. Reference Force Main plans, plan sheet 28, Detail UG-12, Note 8, there is no bid item to compensate the Contractor for this 8-inch base, please provide a bid item.
- a. Included in bid item 4.0 for "Roadway Restoration," in technical specification Section 01150, Measurement & Payment, and on the updated bid form.
21. Reference Force Main plans and specifications, why are there no pay items for sod or seeding? Please provide these bid items.
- a. Included in cost of pipe.
22. Reference force main plans and specifications, why are there no pay items for asphalt driveway and concrete driveway restoration? Please provide these bid items.
- a. Included in cost of pipe.

E-mail dated 3/06/17 –

23. The plan sheet(A-6) and specifications (08 3323) request an overhead door to be aluminum. However, there is not a manufacturer that has a 10' x 10' Aluminum door that contains the current Florida Product of Approval for the indicated basis of design. The design requirements can be matched using either a Galvanized Steel or Stainless Steel door with a durable Powder Coated Finish. Please advise if either of the proposed options are acceptable or if there is another alternative to meeting the specifications that is preferred.
- a. Provide Stainless Steel Coiling Overhead Door System; McKeon Dynamic 110, or reviewed equal.

E-mail dated 3/07/17 –

24. Reference drawing sheet 5 of 12 Force Main By-Pass Detail shows 16" pipe as ductile iron. The pipe schedule on drawing 6 of 12 shows same pipe as PVC. Please clarify.
- a. Utilize DIP under pavement.

25. Reference Master Pump Station plans, plan sheet 10, Double Swing Gate Detail, this detail does not represent what the bid form and plans are calling out to be installed. The bid form and plan sheet 5 show roll gates, please provide a detail and specifications for the roll gates.
 - a. Do not use swing or roll gate options; use cantilevered gate. Bid item 19.3, "Cantilever Gates" has been added to technical specification Section 01150, Measurement & Payment, and on the updated bid form. See FDOT Design Standards Index No. 803 for Cantilevered detail.

26. Reference Master Pump Station plans, plan sheet 5, please provide a quantity of fence to be installed on top of the gravity wall and a quantity for fence to be installed at ground level.
 - a. Bid items regarding fence placement have been partitioned, see bid items 19.1 and 19.2 in technical specification Section 01150, Measurement & Payment, and on the updated bid form.

27. Reference Master Pump Station plans, plan sheet 10, SECURITY FENCING note number two. What color vinyl coating does the County want? Please clarify.
 - a. Green, the County will review options and make a final determination during shop drawing review.

28. Reference specifications Section 02444, FENCING, page 110/603, par. G. Barbed Wire Supporting Arms, sub-par 1. This paragraph speaks to barbed wire, the SECURITY FENCING detail on plan sheet 10 does not show barbed wire, are we to include barbed wire in our fence price?
 - a. As per the provided reference, fencing is to include barbed wire.

29. Reference Master Pump Station plans, plan sheet 4, the stop signs and end of road marker signs, please add a bid item for these.
 - a. Bid item 17.0, "Traffic Signs" has been added to technical specification Section 01150, Measurement & Payment, and on the updated bid form.

30. Reference Master Pump Station plans, plan sheet 4, this sheet does not show any, but will thermoplastic stop bars at each stop sign be required?
 - a. Thermoplastic stop bars are a redundancy to the stop signs and will not be needed.

31. Reference Master Pump Station plans, plan sheet 11, SUMP DISCHARGE, what is the depth of bury for this piece of 18" RCP, and how deep is the 57 stone to be installed?
 - a. 18" RCP total depth of bury is 4-ft.
 - b. 3-ft of total depth for gravel.

32. Reference Master Pump Station plans, plan sheet 6, on the INFLUENT FORCE MAIN, item no. 24, air release valve, what is the air release valve being attached to, a 30-inch flange by flange nipple piece of pipe? If so, will a tapping saddle be allowed for making the connection to the pipe?
 - a. Yes, a flanged nipple extrusion on pipe.
 - b. Yes, a saddle is allowed. See detail US-25 on MPS plan sheet 9.

33. Reference Master Pump Station plans, plan sheet 6, INFLUENT FORCE MAIN, where plugs are shown, shouldn't these be MJ caps with meg-a-lugs? In order to use a plug, a piece of pipe with a mechanical joint bell would have to be installed.
 - a. Correct, use an MJ cap as updated and called out for item 10.

34. Reference Master Pump Station plans, plan sheet 6, DISCHARGE FORCE MAIN, where plugs are shown, shouldn't these be MJ caps with meg-a-lugs? In order to use a plug, a piece of pipe with a mechanical joint bell would have to be installed.
 - a. Correct, use an MJ cap as updated and called out for items 50 and 62.

35. Reference Master Pump Station plans, plan sheet 6, INFLUENT FORCE MAIN, what is the design centerline elevation of the portion of this force main that is buried below grade?
 - a. Refer to updated section views of the Master Pump Station's Influent FM on plan sheet 6 for depths, elevations, and conflicts with clearances.

36. Reference Master Pump Station plans, plan sheet 6, DISCHARGE FORCE MAIN, what is the design centerline elevation of the portion of this force main that is buried below grade?
 - a. Refer to updated section views of the Master Pump Station's Discharge FM on plan sheet 6 for depths, elevations, and conflicts with clearances.

37. Reference Master Pump Station plans, plan sheet 3, Site and Demolition Plan, please confirm that the septic tank and drain field system have been removed.
 - a. No confirmation for removal of the septic tank and drainfield have been identified. Contractor should base their bid on the assumption that the septic system requires

removal as indicated on Master Pump Station plans, sheet 3 of 12, Site and Demolition Plan.

38. Reference Master Pump Station bid form, please add a bid item for Erosion Control.
 - a. Bid item 4.0, "BMP's and Erosion Control" has been added to technical specification Section 01150, Measurement & Payment, and on the updated bid form.

39. Reference Master Pump Station bid form, bid item 6.2 (16" gate valves), bid form quantity shows 5-each, plans show 4-each, please clarify.
 - a. There are 4 total 16-inch gate valves which are listed on plan sheet 6 of 12. Bid item 6.2 has been updated to bid item 8.2 in technical specification Section 01150, Measurement & Payment, and on the updated bid form. Plan locations for the 16" gate valves are as follows:
 - i. See Plan Sheet 6 of 12, Influent FM plan view, note #5
 - ii. See Plan Sheet 6 of 12, Influent FM plan view, note #20
 - iii. See Plan Sheet 6 of 12, Discharge FM plan view, note #58
 - iv. See Plan Sheet 6 of 12, Discharge FM plan view, note #58 (different valve; same number)

40. Reference Master Pump Station bid form, bid item 6.3 (18" gate valves), bid form quantity shows 2-each, plans show 1-each, please clarify.
 - a. There is 1 total 18-inch gate valve which is listed on sheet 6 of 12. Bid item 6.3 has been updated to bid item 8.3 in technical specification Section 01150, Measurement & Payment, and on the updated bid form. Plan location for the 18" gate valve is as follows:
 - b.
 - i. See Plan Sheet 6 of 12, Influent FM plan view, note #2.

41. Reference Master Pump Station bid form, bid item 7, is this bid item strictly for the irrigation service, or is it to include the 1-1/2" water service at the east side of the property as well?
 - a. Bid item 8.0 has been partitioned to show each backflow preventer assembly.

42. Reference Master Pump Station plans, plan sheet 5, please add a bid item for the 1-1/2" water service.
 - a. Bid item 8.0 has been partitioned to show each backflow preventer assembly.

43. Reference Master Pump Station plans, plan sheet 5, will a 1-1/2 inch meter be required for the water service at the east side of the property, plans do not show one?

- a. See plan sheet 5 of 12 downstream of that water service line there is a 1" backflow preventer (RPZ) & meter shown at approx. STA 73+70.
44. Reference Master Pump Station plans, plan sheet 5, the note to "CONNECT TO 3/2" NON-POTABLE LINE PER PLUMBING PLAN SHEET P-1" plan sheet P-1 shows the 2-inch force main pipe and the note on P-1 says to refer to Civil Plans for continuation, where on the Civil drawings is the continuation of this 2-inch pipe line?
- a. The flow meter pit with sump pump was deleted, see revised sheet P-1.
45. Reference Wastewater Force Main plans, plan sheet 28, Detail UG-12, note 8, this note conflicts with specification Section 02575, PAVEMENT REPAIR AND RESTORATION, page 116/211, par. 2.01, PAVEMENT SECTION, sub-par 'B' states the base is to be 10" minimum compacted thickness, what are we bidding on?
- a. Use the 8" minimum compacted thickness as per detail UG-12 on FM plan sheet 28.
46. Reference specifications Section 03410, PRECAST CONCRETE STRUCTURES, page 171/211, par. 3.04 TESTING, is Manatee County going back to this vacuum testing method?
- a. Respective testing for precast concrete structures will require vacuum testing as per technical specification Section 03410 paragraph 3.04.
47. Please provide a detail for the 4'-0" diameter storm manholes.
- a. See FDOT FY 2017-18 Design Standards Index No. 201.
48. Will a project sign be required for the force main work as well as the master pump station work?
- a. Yes.
49. Where is the specification for the 24" Magnetic Flow Meter?
- a. See Section 16012 for Electrical Instrumentation and Controls subparagraph 2.08 for Magnetic Flow Meters.

E-mail dated 3/15/17 –

50. In regards to Section 09900-Painting we would like to request clarification of the paint systems being used on this project. There are multiple paint systems listed for each area painting/coatings are being applied, specifically, epoxy floor coatings (finish schedule in plans calls for concrete sealer) and below grade exterior concrete damproofing/waterproofing. These systems are all applicable but vary in pricing and production rates. There are also systems listed in the specifications for substrates not a part of this project as well as outdated products. In order to bid accurately we request that the unused systems be deleted.

- a. Technical specification Section 09900 for Painting should be used for civil/mechanical guidance and is not intended for use of architectural applications. *Use architectural technical specifications for building related guidance.*
- b. Technical specification Section 099600, High Performance Coatings (see attached), has been added and should only be used for guidance on architectural related construction.

51. Request clarification of Page A-4 Detail 3, Masonry Control Joint. Painted stucco finish over metal lath over Dampproofing over CMU. What is to be used for the Dampproofing? Is it to be included under the 09900 specifications scope of work?

- a. Polymer Modified Cement Waterproofing & DRYLOK:
 - i. Rough Opening Waterproofing:
 - 1. BASF MASTERSEAL 581 (THOROSEAL) – 2 coats
 - 2. BASF ACRYL 60 (bonding and modifying admixture)
 - b. Interior Side of Exterior Masonry & Concrete Walls Masonry Waterproofer:
 - i. UGL DRLOK Masonry Waterproofer – 2 coats

E-mail dated 3/16/17 –

52. Can you provide the bid form in EXCEL format?

- a. Will provide.

53. Can you provide a detail for the above ground Air Release Valve assembly?

- a. See new detail on sheet 9 of 12 in MPS plans.

54. On plan sheet 20 there is a large area of asphalt roadway removal and replacement. Please provide a road section detail for the northbound lane which will be open cut for the force main. Will the southbound lane need to be milled and resurfaced? Please provide clarification for the southbound lane which will not be disturbed. Can you add bid items for these items of work?
- a. Match existing grades for the northbound lane.
 - b. The southbound lane shall be milled and resurfaced as necessary to achieve the required minimum course thickness tolerances and smoothness, as per Section 02513, 1.03, and detail UG-12.
 - c. The southbound lane shall be milled and resurfaced as necessary to achieve the required minimum course thickness tolerances and smoothness, as per Section 02513, 1.03, and detail UG-12.
 - d. Bid item 4.0 for Roadway Restoration added with corresponding update to technical specification section 01150 for bid item 4.0 – Roadway Restoration.

E-mail dated 3/17/17 –

55. Drawing S4.00 Section 8 references waterproofing under the foundation, slab on grade and exterior of the pipe trench wall. Waterproofing note states See Architectural. Please clarify what type of waterproofing is required for this detail.

Vapor barrier must have all of the following qualities:

1. Permeance of less than 0.01 Perms [grains/(ft² · hr · inHg)] as tested in accordance with ASTM E 1745 Section 7.
2. Other performance criteria:
 - a. Strength: ASTM E 1745 Class A.
 - b. Thickness: 15 mils minimum

Acceptable products:

1. Stego Wrap Vapor Barrier (15-mil) by Stego Industries LLC
2. Viper VaporCheck (16 mil) by Insulation Solutions, Inc.
3. Raven Vaporblock 15 by Raven Industries, Inc.

E-mail dated 3/21/17 –

56. Master Pump Station sheet 2 of 12 note 39 references By-Pass Pumping per section 02720. Unable to locate this section.

- a. Note 39 removed, see revised plan sheet.
57. Master Pump Station sheet E2 of 17 note 7 states contractor to pay FPL hookup fees for permanent power with contact person Larry Russo. The contact number provided does not connect with Larry. Can the Owner/Engineer establish an allowance or set amount for the fees so all contractors are bidding same number and have same FPL information.
- a. The new FPL contact is Lenoardo Rojas, Associated Engineer, Power Systems, and can be contacted at leonardo.rojas@FPL.com and (941)723-4421.
 - b. There will be no FPL charges for the transformer install and overhead upgrade to the site. The contractor shall be responsible to install FPL provided conduits and transformer pad. The contractor shall set up the FPL account and pay the bills until the station is turned over.
58. Are coil coatings required for the AC equipment?
- a. Coil coatings are not required.

E-mail dated 3/24/17 –

59. Architectural Drawings shows painted stucco over the CMU wall whereas notes on structural drawing S2 and section 1 & 2 on S5 shows 12" split face. Please confirm which type of wall to be used?
- a. Provide as shown on Architectural Drawings on plan sheets A3, A4, and A6. Notes referring to 12" Split Face shall be 12" CMU Wall.
60. Architectural drawing A-2 shows the section for Meter Vault –Discharge header but it does not show the location for this meter vault anywhere on the plans. Please confirm the location.
- a. Removed plan details 3 and 4 on sheet A-2. There is no Meter Vault in Project.
61. Structural drawing S5 shows section 8/S5.0 with beam size of W10x39 but drawing S3 shows the beam size W10x45. Please confirm.
- a. The correct beam size is W10x45 and can be found on plan sheet S3.
62. Under 09-9000 painting specification, every material has almost three to four options for the painting. All these options have variation in the cost. Please confirm which option to be used for all the substrate.
- a. Technical specification Section 09900 for Painting should be used for civil/mechanical guidance and is not intended for use of architectural applications. *Use architectural technical specifications for building related guidance.*

- b. Technical specification Section 099600, High Performance Coatings has been added and should only be used for guidance on architectural related construction.
63. Will standard glass block installation be acceptable per Florida building code?
- a. Glass Block shall meet the Florida Product Approval and/or Miami Dade NOA requirements.

E-mail dated 3/27/17 –

64. The PVC pipe spec reads 14" & > to be SDR21 C900 and the plans state DR18 C900 – please confirm which pipe is required?
- a. For sewer force mains use DR18 C905 for 14"-36" PVC pipe.
65. Confirm low alloy steel bolts are approved for the buried rods, bolts & nuts for the restraint products and mechanical joints?
- a. Confirmed, as outlined in the Force Main technical specs, Section 02640, 1.01(K), 2.14(B) and 3.01(E) for guidance on restrain joints and mechanical joints.
66. Confirm American Flow Control (AFC) gate valves are approved per Manatee County standards?
- a. Refer to the Force Main technical specs, Section 02640, 1.01(B) for requirements and compliance standards for valves and appurtenances.
67. Please provide a pay item for the 24" material (pipe & ftgs) – see sheet 10 sta's 46-52
- a. Bid item 6.4, "24" AWWA C-905, DR-18 PVC Force Main" has been added.
68. Do the check valves require a limit switch?
- a. Yes, limit switches will be added to monitor the check valves.
69. Confirm fusion bond epoxy is approved on the mj fittings per the specification – page 136
- a. Confirmed, as outlined in the MPS technical specs, Section 02615, 2.01(E), regarding ductile iron force mains, fittings, and their coatings.
70. Please provide a specification for the Pro Co 251 expansion joints as shown on sheet 7 – ie – what type of rubber is desired (epdm or nitril) , what type of flange plate is desired (ss or carbon), are control rods required (ss316 ? / carbon ?)
- a. Refer to manufacturers recommendations for installation.
 - b. Wire reinforced chlorobutyl elastomer bonded to PTFE or FEP liner.

- c. Flange plate desired is not metal and is a polyester composite.
 - d. Utilize SS316 control rods.
71. What type of wall sleeve is desired? plastic, ss316, ductile, etc. – specification was not provided
- a. Steel or cast iron pipe in walls, as per MPS technical specification, Section 05500 paragraph 2.03(A).
72. Confirm the HDD receives (1) 10 ga. tracer wire per the stated specification – county standard is normally (2)
- a. Two (2) locator wires shall be pulled with each directional drill as defined in technical specification 02619, Horizontal Directional Drilling, paragraph 3.08.M.1. Any reference to one (1) wire being pulled is incorrect. Two locations where this occurs are technical specification section 02620, Polyethylene (PE) Pressure Pipe, paragraph 2.03.B. and section 02617, Installation and Testing of Pressure Pipe, paragraph 1.04.B.
73. Confirm the bolts on the flexible coupling may be hot dipped galvanized per the stated specification.
- a. Confirmed, as outlined in the MPS technical specification, Section 02640 paragraph 2.11(2) & (4).

E-mail dated 3/30/17 –

74. At the pump station, what is the thickness of the shell next to the concrete generator pad and along the retaining wall?
- a. Use a minimum of an 8-inch shell base compacted layer of washed shell or crushed stone.
 - b. Use a minimum of an 8-inch shell base compacted layer of washed shell or crushed stone.
75. At the pump station, the plans call for crushed concrete as the road base. Is this crushed concrete required to be FDOT "Certified"?
- a. No, for additional guidance on road base requirements refer to MPS technical specification, Section 02575, 2.01 and detail UG-12.
76. At the pump station, Bid Item #7 Water Service Connection & Meter Box Assembly. Please clarify exactly what is included in this bid item.

- a. Bid item #7 is now bid item #9, Water Service Connection and Meter Box Assembly, and has been partitioned to bid item 9.1, a 1" water service connection with meter box assembly, and bid item 9.2, a 2" water service connection without meter box assembly.
77. At the pump station, Bid Item #8 Backflow Preventer Assembly. The bid quantity is 2 each, but I count 3. There is a 1-1/2" and 3/4" on the watermain and a 2" on the irrigation. Please adjust bid quantity.
- a. See bid item #10 for an updated accounting of backflow preventers needed. MPS plan sheet 5 of 12 illustrates that the 1 1/2" line splits into 2 separate 3/4" lines that each require backflow prevention. There is also a 1" water line with backflow preventer upstream of the 1 1/2" line at approx. STA 73+70 and a 2" irrigation line at approx. STA 72+70.
78. At the pump station, plan sheet 5 calls for 1" polytube for the sump discharge. On plan sheet P-1, the sump discharge is 2". Please clarify which is correct.
- a. Use 2" polytube for sump discharge. MPS plan sheet 5 of 12 updated to reflect changes.

END OF STANTEC RESPONSES.

**IFB 0101DC VILLAGE OF PARRISH FORCE MAIN & MASTER PUMP STATION
STANTEC CONSULTING SERVICES, INC. - RESPONSE TO QUESTIONS
ADDENDUM 6 ATTACHMENT**

1. The following revisions have been made to the **Technical Specifications** for Village of Parrish Master Pump Station and Village of Parrish Wastewater Force:

- I. Village of Parrish MPS

- A. *Section 01150, Measurement & Payment*

- i. Bid Item 2.0, Site Demolition and Clearing
 - a. Added language to specify removal of structures
- ii. Bid Item 3.0, Building Permit Fee Allowance
 - a. Item added (LS)
- iii. Bid Item 4.0, BMP's & Erosion Control Measures
 - a. Item added (LS)
- iv. Bid Item 8.0, Gate Valves
 - a. Added clarification language
 - b. Bid Item 8.2, 16" Gate Valve (EA), quantity change from 5 to 4
 - c. Bid Item 8.3, 18" Gate Valve (EA), quantity change from 2 to 1
 - d. Bid Item 8.4, 30" Gate Valve (EA), quantity change from 1 to 2
- v. Bid Item 9.0, Water Service Connection and Meter Box Assembly
 - a. Item partitioned
 - b. Bid Item 9.1, 1" WSC w/Meter Box, added (EA)
 - c. Bid Item 9.2, 2" WSC w/o Meter Box, added (EA)
- vi. Bid Item 10.0, Backflow Preventer Assembly (BFP)
 - a. Item partitioned
 - b. Bid Item 10.1, ¾" BFP (EA), added
 - c. Bid Item 10.2, 1" BFP w/Meter (EA), added
 - d. Bid Item 10.3, 2" BFP w/Meter (EA), added
- vii. Bid Item 17.0, Traffic Signs
 - a. Item added (EA)
- viii. Bid Item 18.0, Concrete Gravity Retaining Wall
 - a. Consolidated wall (18.1) and foundation (18.2) items into a single entry (CY)
- ix. Bid Item 19.0, Chain Link Fence and Gates
 - a. Partitioned chain link fence item
 - b. Included language to incorporate barb wire.
 - c. Bid Item 19.1, Chain Link Fence on Ground (LF), added
 - d. Bid Item 19.2, Chain Link Fence on Gravity Wall (LF), added
 - e. Bid Item 19.3, Cantilever Gates (EA), added
 - f. Bid Item for Roll Gates removed

- B. *Section 02575, Pavement Repair and Restoration*
 - i. Modify Part 2, 2.01 (B) to read, "...8" minimum compacted thickness."
- C. *Section 099600, High Performance Coatings*
 - i. Section added in entirety

II. Village of Parrish FM

- A. *Section 01150, Measurement & Payment*
 - i. Bid Item 4.0, Roadway Restoration
 - a. Changed language for added clarification
 - ii. Bid Item 5.0, FDOT Stormwater Culverts
 - a. Item added
 - b. Bid Item 5.1, Headwall & ERCP @ STA 20+30 (EA), added
 - c. Bid Item 5.2, Headwall & ERCP @ STA 36+15 (EA), added
 - iii. Bid Item 6.4, 24" AWWA C-905, DR-18 PVC Force Main
 - a. Item added (LF)
 - iv. Bid Item 10.2, 8" Gate Valve
 - a. Item added (EA)
 - v. Bid Item 14.2, 18" Force Main Connection
 - a. Corrected stationing from STA 206+25 to STA 206+37
- B. *Section 01153, Change Order Procedures*
 - a. Complete replacement of Part 1, 1.01
 - b. Complete replacement of Part 1, 1.09
- C. *Section 01580, Project Identification and Signs*
 - i. Modify Part 1, 1.02(A) to read, "Two (2) painted signs..."
- D. *Section 01590, County's Field Office*
 - i. Section deleted in entirety
- E. *Section 02064, Modifications to Existing Structures, Piping, and Equipment*
 - i. Complete replacement of Section
- F. *Section 02221, Trenching, Bedding, and Backfilling for Pipe*
 - i. Complete replacement of Part 2
 - ii. Complete replacement of Part 3
- G. *Section 02223, Excavation Below Grade and Crushed Stone or Shell Refill*
 - i. Complete replacement of Part 3, 3.02(A)
- H. *Section 02260, Finish Grading*
 - i. Complete replacement of Part 3, 3.01 (B)
- I. *Section 02513, Asphalt Concrete Paving*
 - i. Modify Part 3, 3.01 (B)5 to read, "...98% of maximum density: ASTM D 1557...."
- J. *Section 02575, Pavement Repair and Restoration*

- i. Modify Part 2, 2.01(B) to read, "...LBR of 140 compacted to 98% T-180 AASHTO density."
 - ii. Complete replacement of Part 3, 3.02(C)
- K. *Section 02615, Ductile Iron Pipe and Fittings*
 - i. Complete replacement of Part 2
- L. *Section 02617, Installation and Testing of Pressure Pipe*
 - i. Complete replacement of Section
- M. *Section 02619, Horizontal Directional Drilling*
 - i. Complete replacement of Part 3, 3.08(M)
 - ii. Complete replacement of Part 3, 3.08(N)
 - iii. Complete replacement of Part 3, 3.09
- N. *Section 02620, Polyethylene (PE) Pressure Pipe*
 - i. Complete replacement of Part 2, 2.01
 - ii. Complete replacement of Part 2, 2.02
 - iii. Complete replacement of Part 3, 3.02
- O. *Section 02622, Polyvinyl Chloride (PVC) Pipe and Fitting (AWWA Specifications C900 & C905)*
 - i. Complete replacement of Part 1, 1.01
 - ii. Complete replacement of Part 2
 - iii. Complete replacement of Part 3
- P. *Section 02640, Valves and Appurtenances*
 - i. Complete replacement of Section
- Q. *Section 03410, Precast Concrete Structures*
 - i. Complete replacement of Part 2
 - ii. Complete replacement of Part 3, 3.01(C)
 - iii. Complete replacement of Part 3, 3.01(F)
 - iv. Complete replacement of Part 3, 3.01(K)
 - v. Complete replacement of Part 3, 3.04
- R. *Section 09970, Surface Protection Spray System*
 - i. Modify Part 2, 2.02(A) by deleting the following:
 - a. 3. IET System 3
 - b. 4. Rubberseal
 - c. 8. Warren Environmental 301-18
 - ii. Modify Part 2, 2.02(A) by adding the following:
 - a. 6. Sauereisen 210 System: (210T & 210GL – Manatee County Light Brown Formula)
 - iii. Modify Part 3, 3.02(H)1 to read, "...accordance with the following table or manufacturer's recommendation, whichever is greater:"

2. The following revisions have been made to the **Plan Sheets** for Village of Parrish Master Pump Station and Village of Parrish Wastewater Force Main:

- I. Village of Parrish MPS

- A. Cover Sheet
 - i. Updated revisions list
- B. Sheet 2 of 12, General Notes
 - i. Removed note 39
- C. Sheet 4 of 12, Paving, Grading & Drainage Plan
 - i. Added FDOT descriptors to stormwater structures
 - ii. Reposition 30" line
 - iii. Replace and reposition S-6 FDOT Type E Structure
 - iv. Added a 30" Gate Valve w/Actuator, pad, fence, & bollards
- D. Sheet 5 of 12, Yard Piping Plan
 - i. Changed 1" to 2" for sump discharge
 - ii. Adjusted water service/non-potable language to read clearly
 - iii. Reposition 30" line
 - iv. Replace and reposition S-6 FDOT Type E Structure
 - v. Added a 30" Gate Valve w/Actuator, pad, fence, & bollards
- E. Sheet 6 of 12, Plan and Profile
 - i. Reposition 30" line
 - ii. Replace and reposition S-6 FDOT Type E Structure
 - iii. Added a 30" Gate Valve w/Actuator, pad, fence, & bollards
 - iv. Changed out "plug" language for "cap"
- F. Sheet 10 of 12, Drainage and Miscellaneous Details
 - i. Double Swing Gate detail removed
 - ii. Barb Wire option added to fence detail
 - iii. Fence notes remove gate types except for Cantilever option
- G. Sheet 11 of 12, Drainage and Miscellaneous Details
 - i. Added depths to Sump Discharge detail
- H. Sheet L1 of 2, Landscape Plan
 - i. Reposition 30" line
 - ii. Added a 30" Gate Valve w/Actuator, pad, fence, & bollards
- I. Sheet L2 of 2, Landscape Details
 - i. Reposition 30" line
 - ii. Added a 30" Gate Valve w/Actuator, pad, fence, & bollards
- J. Sheet IR1 of 2, Irrigation System Plan
 - i. Reposition 30" line
 - ii. Added a 30" Gate Valve w/Actuator, pad, fence, & bollards
- K. Sheet A2, MPS Floor Plan
 - i. Remove details 3 and 4 for Influent Flow Meter Vault and 2" FM Line with sump pump

- L. Sheet P1, Plumbing Plan
 - i. Removed Influent Flow Meter Vault and 2" FM Line with sump pump
- M. Sheet E2 of 17, Electrical Site Plan
 - i. Reposition 30" line
 - ii. Added a 30" Gate Valve w/Actuator, pad, fence, & bollards
- II. Village of Parrish FM
 - A. Cover Sheet
 - i. Updated revisions list
 - B. Sheet 14, Erie Rd., STA 70+00 to 76+00
 - i. Replace and reposition background image of S-6 FDOT Type E Structure from MPS project
 - C. Sheet 15, 121st Ave E, STA 103+00 to 107+00
 - i. Replace and reposition background image of S-6 FDOT Type E Structure from MPS project
 - D. Sheet 25, Plan and Profile 77th St E, STA 304+00 to 308+00
 - i. Reduced 6" FM length approx. 20'
 - ii. Adjusted trajectory and increased length of Future 6" FM casing (by others)
 - E. Sheet 27, Plan and Profile 72nd St E, STA 404+00 to 408+00
 - i. Adjusted trajectory and increased length of Future 6" FM casing (by others)

GENERAL NOTES

1. Additional notes pertaining to surveyed record drawings:
 - I. The surveyed record drawings for this project are to be completed using the NAVD 1988 Datum. The design utilized the NGVD 1929 Datum. Plan and profile elevation related data will be updated and include the bench marks tied to the 1988 Datum.
2. The Erie Road Segment or a portion of that force main may be constructed by others to expedite during certification and placement into service. The Contractor shall hold the unit costs bid for the remaining force main should this occur.

E-mail dated 2/24/17 –

1. Regarding the building permit that we discussed yesterday, what pay item will the contractor use to pay the fee? Is it spelled out in the Specs?

- a. Bid item 3.0, "Building Permit Fee Allowance," in the amount of \$5,000.00 has been provided in technical specification Section 01150, Measurement & Payment, and on the updated bid form.
 - b. Technical specification Section 01030 paragraph 1.01 – Special Project Procedures (amongst others) provides guidance for permit requirements.
2. Since mobilization is restricted to 5%, please add a pay item for: "Miscellaneous Work & Cleanup". This is necessary to have a place to incorporate general conditions and incidentals not covered in the pay items.
- a. See technical specification Section 01150 paragraph 1.07, item 7, for Measurement and Payment, where this work is to be included in applicable pay items of work.
3. Per the discussion at the pre-bid, please find the performance data, technical data, and dimensional data for the pump we are submitting for approval as an alternate attached to this e-mail. Please let me know if anything else is required for consideration and please have any of your team members or consulting engineers give me a call any time if they have any questions or if there is anything else I can do to help.
- a. Being reviewed.

E-mail dated 2/28/17 –

4. Unable to locate Soil Report for the project is one available can one be provided.
- a. A soil report was previously produced for the MPS however none are available for the Force Main.
5. Reference drawing 3 of 12 Site and Demolition Plan. Understand contractor's responsibility to visit site is the house and pole barn still on site. If so is there a lead paint and asbestos survey.
- a. House and pole barn have been demolished and according to County records an asbestos abatement/wet demolition was performed.
6. The generator specification shows a 72-hr base tank but the plumbing drawings reflect a free-standing tank. Which is correct?
- a. This question has been answered in addendum 1, utilize the free-standing fuel tank.

E-mail dated 3/02/17 –

7. At the pre-bid meeting, the issue of water for testing the pumps at the new pump station was discussed and Mr. Branning indicated the County would determine a source for getting water to the site, please provide this source and method for connecting.
 - a. Reclaimed water will be available through the 18-inch Cone Ranch Force Main from the east.

8. Reference Sheet 4 of 12 of the Master Pump Station plans, there is a concrete gravity wall on the north and east perimeter. FDOT Index 6011 is for the gravity wall and gravity wall is poured in one pour as the cross sections on sheet 4 show. On the bid form, item 15.1 calls for retaining wall foundation and 15.2 calls for concrete retaining wall. IF you combine these quantities it is close to what the gravity wall quantity would be, but I am unsure why there are 2 line items. Please ask the EOR to clarify, typically gravity wall is bid as 'Concrete, NS Gravity Wall' by the CY.
 - a. Bid items 15.1 and 15.2 for gravity wall foundation and gravity wall have been consolidated and are now bid item 18.0 in technical specification Section 01150, Measurement & Payment, and on the updated bid form.

E-mail dated 3/03/17 –

9. Regarding the Force Main side of this job, are there any soil borings in the vicinity of the pipe line route, especially in the directional drilled areas? If so, please make them available for our evaluation.
 - a. No soils report available.

10. Reference Force Main plans, plan sheet 6, at station 24+85 the plan shows an 8-inch gate valve, there is no pay item for an 8-inch gate valve, please add bid item.
 - a. Bid item 10.2, "8" Gate Valve" has been added to technical specification Section 01150, Measurement & Payment, and on the updated bid form.

11. Reference Force Main plans, plan sheet 10, at station 46+06, the plan shows installing 24-inch gate valves, fittings and plugs but bid form does not have a 24-inch pipe pay item where we get compensated for these fittings in, please add a bid item for 24-inch pipe.
 - a. Bid item 6.4, "24" AWWA C-905, DR-18 PVC Force Main" has been added to technical specification Section 01150, Measurement & Payment, and on the updated bid form.

12. Reference Force Main plans, plan sheet 5, at station 20+30, there is a note to "REMOVE & REPLACE HEADWALL & ERCP PER FDOT INDEX 250 TO FACILITATE FORCE MAIN CONSTRUCTION" there is no bid item for this scope of work, how are we to be compensated? Please add a bid item.

- a. Bid item 5.1, for "Headwall & ERCP @ STA 20+30" has been added to technical specification Section 01150, Measurement & Payment, and on the updated bid form.

13. Reference Force Main plans, plan sheet 8, at station 36+15, there is a note to "REMOVE & REPLACE HEADWALL & ERCP PER FDOT INDEX 250 TO FACILITATE FORCE MAIN CONSTRUCTION, RESTORE SWALE WITH RIP-RAP" there is no bid item for this scope of work, how are we to be compensated? Please add a bid item.
 - a. Bid item 5.2, for "Headwall & ERCP @ STA 36+15" has been added to technical specification Section 01150, Measurement & Payment, and on the updated bid form.

14. Reference Force Main Plans, plan sheet 8, at station 39+30, there is a note to "REMOVE & REPLACE GUY WIRE & COORDINATE WITH POWER COMPANY TO HOLD POLE TO FACILITATE FORCE MAIN CONSTRUCTION: there is no bid item for this scope of work, how are we to be compensated? Please add a bid item.
 - a. Included in cost of pipe.

15. Reference Force Main plans, plan sheet 9, at station 41+40, there is a note to "REMOVE & REPLACE RCP TO FACILITATE FORCE MAIN CONSTRUCTION" there is no bid item for this scope of work, how are we to be compensated? Please add a bid item.
 - a. Included in cost of pipe.

16. Reference Force Main Plans, plan sheet 11, at station 52+60, there is a note to "REMOVE & REPLACE RCP TO FACILITATE FORCE MAIN CONSTRUCTION" there is no bid item for this scope of work, how are we to be compensated? Please add a bid item.
 - a. Included in cost of pipe.

17. Reference Force Main plans, plan sheet 21, at station 52+60, middle of the page on the right-hand side, there are two (2) notes, "1. CONTRACTOR SHALL COORDINATE WITH UTILITIES TO HOLD UTILITY POLE DURING CONSTRUCTION" and "2. CONTRACTOR SHALL REMOVE AND REINSTALL OR REPLACE FENCE WITH EQUAL MATERIAL" there is no bid item for this scope of work, how are we to be compensated? Please add a bid item.
 - a. Included in cost of pipe.

18. Reference Force Main plans, plan sheet 22, at station 202+00, it appears the fence to be removed and reinstalled or replaced with equal material is in the public Right-of-Way, why isn't the property owner responsible to remove their property from the public Right-of-Way?

- a. Contractor to remove and replace fence. Included in cost of pipe.
19. Reference Force Main plans, plan sheet 28, Detail UG-12, Note 5, there is no bid item to compensate the Contractor for this structural lift of asphalt, please provide bid item.
- a. Included in bid item 4.0 for "Roadway Restoration," in technical specification Section 01150, Measurement & Payment, and on the updated bid form.
20. Reference Force Main plans, plan sheet 28, Detail UG-12, Note 8, there is no bid item to compensate the Contractor for this 8-inch base, please provide a bid item.
- a. Included in bid item 4.0 for "Roadway Restoration," in technical specification Section 01150, Measurement & Payment, and on the updated bid form.
21. Reference Force Main plans and specifications, why are there no pay items for sod or seeding? Please provide these bid items.
- a. Included in cost of pipe.
22. Reference force main plans and specifications, why are there no pay items for asphalt driveway and concrete driveway restoration? Please provide these bid items.
- a. Included in cost of pipe.

E-mail dated 3/06/17 –

23. The plan sheet(A-6) and specifications (08 3323) request an overhead door to be aluminum. However, there is not a manufacturer that has a 10' x 10' Aluminum door that contains the current Florida Product of Approval for the indicated basis of design. The design requirements can be matched using either a Galvanized Steel or Stainless Steel door with a durable Powder Coated Finish. Please advise if either of the proposed options are acceptable or if there is another alternative to meeting the specifications that is preferred.
- a. Provide Stainless Steel Coiling Overhead Door System; McKeon Dynamic 110, or reviewed equal.

E-mail dated 3/07/17 –

24. Reference drawing sheet 5 of 12 Force Main By-Pass Detail shows 16" pipe as ductile iron. The pipe schedule on drawing 6 of 12 shows same pipe as PVC. Please clarify.
- a. Utilize DIP under pavement.

25. Reference Master Pump Station plans, plan sheet 10, Double Swing Gate Detail, this detail does not represent what the bid form and plans are calling out to be installed. The bid form and plan sheet 5 show roll gates, please provide a detail and specifications for the roll gates.
 - a. Do not use swing or roll gate options; use cantilevered gate. Bid item 19.3, "Cantilever Gates" has been added to technical specification Section 01150, Measurement & Payment, and on the updated bid form. See FDOT Design Standards Index No. 803 for Cantilevered detail.
26. Reference Master Pump Station plans, plan sheet 5, please provide a quantity of fence to be installed on top of the gravity wall and a quantity for fence to be installed at ground level.
 - a. Bid items regarding fence placement have been partitioned, see bid items 19.1 and 19.2 in technical specification Section 01150, Measurement & Payment, and on the updated bid form.
27. Reference Master Pump Station plans, plan sheet 10, SECURITY FENCING note number two. What color vinyl coating does the County want? Please clarify.
 - a. Green, the County will review options and make a final determination during shop drawing review.
28. Reference specifications Section 02444, FENCING, page 110/603, par. G. Barbed Wire Supporting Arms, sub-par 1. This paragraph speaks to barbed wire, the SECURITY FENCING detail on plan sheet 10 does not show barbed wire, are we to include barbed wire in our fence price?
 - a. As per the provided reference, fencing is to include barbed wire.
29. Reference Master Pump Station plans, plan sheet 4, the stop signs and end of road marker signs, please add a bid item for these.
 - a. Bid item 17.0, "Traffic Signs" has been added to technical specification Section 01150, Measurement & Payment, and on the updated bid form.
30. Reference Master Pump Station plans, plan sheet 4, this sheet does not show any, but will thermoplastic stop bars at each stop sign be required?
 - a. Thermoplastic stop bars are a redundancy to the stop signs and will not be needed.

31. Reference Master Pump Station plans, plan sheet 11, SUMP DISCHARGE, what is the depth of bury for this piece of 18" RCP, and how deep is the 57 stone to be installed?
 - a. 18" RCP total depth of bury is 4-ft.
 - b. 3-ft of total depth for gravel.

32. Reference Master Pump Station plans, plan sheet 6, on the INFLUENT FORCE MAIN, item no. 24, air release valve, what is the air release valve being attached to, a 30-inch flange by flange nipple piece of pipe? If so, will a tapping saddle be allowed for making the connection to the pipe?
 - a. Yes, a flanged nipple extrusion on pipe.
 - b. Yes, a saddle is allowed. See detail US-25 on MPS plan sheet 9.

33. Reference Master Pump Station plans, plan sheet 6, INFLUENT FORCE MAIN, where plugs are shown, shouldn't these be MJ caps with meg-a-lugs? In order to use a plug, a piece of pipe with a mechanical joint bell would have to be installed.
 - a. Correct, use an MJ cap as updated and called out for item 10.

34. Reference Master Pump Station plans, plan sheet 6, DISCHARGE FORCE MAIN, where plugs are shown, shouldn't these be MJ caps with meg-a-lugs? In order to use a plug, a piece of pipe with a mechanical joint bell would have to be installed.
 - a. Correct, use an MJ cap as updated and called out for items 50 and 62.

35. Reference Master Pump Station plans, plan sheet 6, INFLUENT FORCE MAIN, what is the design centerline elevation of the portion of this force main that is buried below grade?
 - a. Refer to updated section views of the Master Pump Station's Influent FM on plan sheet 6 for depths, elevations, and conflicts with clearances.

36. Reference Master Pump Station plans, plan sheet 6, DISCHARGE FORCE MAIN, what is the design centerline elevation of the portion of this force main that is buried below grade?
 - a. Refer to updated section views of the Master Pump Station's Discharge FM on plan sheet 6 for depths, elevations, and conflicts with clearances.

37. Reference Master Pump Station plans, plan sheet 3, Site and Demolition Plan, please confirm that the septic tank and drain field system have been removed.
 - a. No confirmation for removal of the septic tank and drainfield have been identified. Contractor should base their bid on the assumption that the septic system requires

removal as indicated on Master Pump Station plans, sheet 3 of 12, Site and Demolition Plan.

38. Reference Master Pump Station bid form, please add a bid item for Erosion Control.
 - a. Bid item 4.0, "BMP's and Erosion Control" has been added to technical specification Section 01150, Measurement & Payment, and on the updated bid form.

39. Reference Master Pump Station bid form, bid item 6.2 (16" gate valves), bid form quantity shows 5-each, plans show 4-each, please clarify.
 - a. There are 4 total 16-inch gate valves which are listed on plan sheet 6 of 12. Bid item 6.2 has been updated to bid item 8.2 in technical specification Section 01150, Measurement & Payment, and on the updated bid form. Plan locations for the 16" gate valves are as follows:
 - i. See Plan Sheet 6 of 12, Influent FM plan view, note #5
 - ii. See Plan Sheet 6 of 12, Influent FM plan view, note #20
 - iii. See Plan Sheet 6 of 12, Discharge FM plan view, note #58
 - iv. See Plan Sheet 6 of 12, Discharge FM plan view, note #58 (different valve; same number)

40. Reference Master Pump Station bid form, bid item 6.3 (18" gate valves), bid form quantity shows 2-each, plans show 1-each, please clarify.
 - a. There is 1 total 18-inch gate valve which is listed on sheet 6 of 12. Bid item 6.3 has been updated to bid item 8.3 in technical specification Section 01150, Measurement & Payment, and on the updated bid form. Plan location for the 18" gate valve is as follows:
 - b.
 - i. See Plan Sheet 6 of 12, Influent FM plan view, note #2.

41. Reference Master Pump Station bid form, bid item 7, is this bid item strictly for the irrigation service, or is it to include the 1-1/2" water service at the east side of the property as well?
 - a. Bid item 8.0 has been partitioned to show each backflow preventer assembly.

42. Reference Master Pump Station plans, plan sheet 5, please add a bid item for the 1-1/2" water service.
 - a. Bid item 8.0 has been partitioned to show each backflow preventer assembly.

43. Reference Master Pump Station plans, plan sheet 5, will a 1-1/2 inch meter be required for the water service at the east side of the property, plans do not show one?

- a. See plan sheet 5 of 12 downstream of that water service line there is a 1" backflow preventer (RPZ) & meter shown at approx. STA 73+70.
44. Reference Master Pump Station plans, plan sheet 5, the note to "CONNECT TO 3/2" NON-POTABLE LINE PER PLUMBING PLAN SHEET P-1" plan sheet P-1 shows the 2-inch force main pipe and the note on P-1 says to refer to Civil Plans for continuation, where on the Civil drawings is the continuation of this 2-inch pipe line?
- a. The flow meter pit with sump pump was deleted, see revised sheet P-1.
45. Reference Wastewater Force Main plans, plan sheet 28, Detail UG-12, note 8, this note conflicts with specification Section 02575, PAVEMENT REPAIR AND RESTORATION, page 116/211, par. 2.01, PAVEMENT SECTION, sub-par 'B' states the base is to be 10" minimum compacted thickness, what are we bidding on?
- a. Use the 8" minimum compacted thickness as per detail UG-12 on FM plan sheet 28.
46. Reference specifications Section 03410, PRECAST CONCRETE STRUCTURES, page 171/211, par. 3.04 TESTING, is Manatee County going back to this vacuum testing method?
- a. Respective testing for precast concrete structures will require vacuum testing as per technical specification Section 03410 paragraph 3.04.
47. Please provide a detail for the 4'-0" diameter storm manholes.
- a. See FDOT FY 2017-18 Design Standards Index No. 201.
48. Will a project sign be required for the force main work as well as the master pump station work?
- a. Yes.
49. Where is the specification for the 24" Magnetic Flow Meter?
- a. See Section 16012 for Electrical Instrumentation and Controls subparagraph 2.08 for Magnetic Flow Meters.

E-mail dated 3/15/17 –

50. In regards to Section 09900-Painting we would like to request clarification of the paint systems being used on this project. There are multiple paint systems listed for each area painting/coatings are being applied, specifically, epoxy floor coatings (finish schedule in plans calls for concrete sealer) and below grade exterior concrete damproofing/waterproofing. These systems are all applicable but vary in pricing and production rates. There are also systems listed in the specifications for substrates not a part of this project as well as outdated products. In order to bid accurately we request that the unused systems be deleted.

- a. Technical specification Section 09900 for Painting should be used for civil/mechanical guidance and is not intended for use of architectural applications. *Use architectural technical specifications for building related guidance.*
- b. Technical specification Section 099600, High Performance Coatings (see attached), has been added and should only be used for guidance on architectural related construction.

51. Request clarification of Page A-4 Detail 3, Masonry Control Joint. Painted stucco finish over metal lath over Dampproofing over CMU. What is to be used for the Dampproofing? Is it to be included under the 09900 specifications scope of work?

- a. Polymer Modified Cement Waterproofing & DRYLOK:
 - i. Rough Opening Waterproofing:
 1. BASF MASTERSEAL 581 (THOROSEAL) – 2 coats
 2. BASF ACRYL 60 (bonding and modifying admixture)
- b. Interior Side of Exterior Masonry & Concrete Walls Masonry Waterproofer:
 - i. UGL DRLOK Masonry Waterproofer – 2 coats

E-mail dated 3/16/17 –

52. Can you provide the bid form in EXCEL format?

- a. Will provide.

53. Can you provide a detail for the above ground Air Release Valve assembly?

- a. See new detail on sheet 9 of 12 in MPS plans.

54. On plan sheet 20 there is a large area of asphalt roadway removal and replacement. Please provide a road section detail for the northbound lane which will be open cut for the force main. Will the southbound lane need to be milled and resurfaced? Please provide clarification for the southbound lane which will not be disturbed. Can you add bid items for these items of work?
- a. Match existing grades for the northbound lane.
 - b. The southbound lane shall be milled and resurfaced as necessary to achieve the required minimum course thickness tolerances and smoothness, as per Section 02513, 1.03, and detail UG-12.
 - c. The southbound lane shall be milled and resurfaced as necessary to achieve the required minimum course thickness tolerances and smoothness, as per Section 02513, 1.03, and detail UG-12.
 - d. Bid item 4.0 for Roadway Restoration added with corresponding update to technical specification section 01150 for bid item 4.0 – Roadway Restoration.

E-mail dated 3/17/17 –

55. Drawing S4.00 Section 8 references waterproofing under the foundation, slab on grade and exterior of the pipe trench wall. Waterproofing note states See Architectural. Please clarify what type of waterproofing is required for this detail.

Vapor barrier must have all of the following qualities:

1. Permeance of less than 0.01 Perms [grains/(ft² · hr · inHg)] as tested in accordance with ASTM E 1745 Section 7.
2. Other performance criteria:
 - a. Strength: ASTM E 1745 Class A.
 - b. Thickness: 15 mils minimum

Acceptable products:

1. Stego Wrap Vapor Barrier (15-mil) by Stego Industries LLC
2. Viper VaporCheck (16 mil) by Insulation Solutions, Inc.
3. Raven Vaporblock 15 by Raven Industries, Inc.

E-mail dated 3/21/17 –

56. Master Pump Station sheet 2 of 12 note 39 references By-Pass Pumping per section 02720. Unable to locate this section.

- a. Note 39 removed, see revised plan sheet.
57. Master Pump Station sheet E2 of 17 note 7 states contractor to pay FPL hookup fees for permanent power with contact person Larry Russo. The contact number provided does not connect with Larry. Can the Owner/Engineer establish an allowance or set amount for the fees so all contractors are bidding same number and have same FPL information.
- a. The new FPL contact is Lenoardo Rojas, Associated Engineer, Power Systems, and can be contacted at leonardo.rojas@FPL.com and (941)723-4421.
 - b. There will be no FPL charges for the transformer install and overhead upgrade to the site. The contractor shall be responsible to install FPL provided conduits and transformer pad. The contractor shall set up the FPL account and pay the bills until the station is turned over.
58. Are coil coatings required for the AC equipment?
- a. Coil coatings are not required.

E-mail dated 3/24/17 –

59. Architectural Drawings shows painted stucco over the CMU wall whereas notes on structural drawing S2 and section 1 & 2 on S5 shows 12" split face. Please confirm which type of wall to be used?
- a. Provide as shown on Architectural Drawings on plan sheets A3, A4, and A6. Notes referring to 12" Split Face shall be 12" CMU Wall.
60. Architectural drawing A-2 shows the section for Meter Vault –Discharge header but it does not show the location for this meter vault anywhere on the plans. Please confirm the location.
- a. Removed plan details 3 and 4 on sheet A-2. There is no Meter Vault in Project.
61. Structural drawing S5 shows section 8/S5.0 with beam size of W10x39 but drawing S3 shows the beam size W10x45. Please confirm.
- a. The correct beam size is W10x45 and can be found on plan sheet S3.
62. Under 09-9000 painting specification, every material has almost three to four options for the painting. All these options have variation in the cost. Please confirm which option to be used for all the substrate.
- a. Technical specification Section 09900 for Painting should be used for civil/mechanical guidance and is not intended for use of architectural applications. *Use architectural technical specifications for building related guidance.*

- b. Technical specification Section 099600, High Performance Coatings has been added and should only be used for guidance on architectural related construction.
63. Will standard glass block installation be acceptable per Florida building code?
- a. Glass Block shall meet the Florida Product Approval and/or Miami Dade NOA requirements.

E-mail dated 3/27/17 –

64. The PVC pipe spec reads 14" & > to be SDR21 C900 and the plans state DR18 C900 – please confirm which pipe is required?
- a. For sewer force mains use DR18 C905 for 14"-36" PVC pipe.
65. Confirm low alloy steel bolts are approved for the buried rods, bolts & nuts for the restraint products and mechanical joints?
- a. Confirmed, as outlined in the Force Main technical specs, Section 02640, 1.01(K), 2.14(B) and 3.01(E) for guidance on restrain joints and mechanical joints.
66. Confirm American Flow Control (AFC) gate valves are approved per Manatee County standards?
- a. Refer to the Force Main technical specs, Section 02640, 1.01(B) for requirements and compliance standards for valves and appurtenances.
67. Please provide a pay item for the 24" material (pipe & ftgs) – see sheet 10 sta's 46-52
- a. Bid item 6.4, "24" AWWA C-905, DR-18 PVC Force Main" has been added.
68. Do the check valves require a limit switch?
- a. Yes, limit switches will be added to monitor the check valves.
69. Confirm fusion bond epoxy is approved on the mj fittings per the specification – page 136
- a. Confirmed, as outlined in the MPS technical specs, Section 02615, 2.01(E), regarding ductile iron force mains, fittings, and their coatings.
70. Please provide a specification for the Pro Co 251 expansion joints as shown on sheet 7 – ie – what type of rubber is desired (epdm or nitril) , what type of flange plate is desired (ss or carbon), are control rods required (ss316 ? / carbon ?)
- a. Refer to manufacturers recommendations for installation.
 - b. Wire reinforced chlorobutyl elastomer bonded to PTFE or FEP liner.

- c. Flange plate desired is not metal and is a polyester composite.
 - d. Utilize SS316 control rods.
71. What type of wall sleeve is desired? plastic, ss316, ductile, etc. – specification was not provided
- a. Steel or cast iron pipe in walls, as per MPS technical specification, Section 05500 paragraph 2.03(A).
72. Confirm the HDD receives (1) 10 ga. tracer wire per the stated specification – county standard is normally (2)
- a. Two (2) locator wires shall be pulled with each directional drill as defined in technical specification 02619, Horizontal Directional Drilling, paragraph 3.08.M.1. Any reference to one (1) wire being pulled is incorrect. Two locations where this occurs are technical specification section 02620, Polyethylene (PE) Pressure Pipe, paragraph 2.03.B. and section 02617, Installation and Testing of Pressure Pipe, paragraph 1.04.B.
73. Confirm the bolts on the flexible coupling may be hot dipped galvanized per the stated specification.
- a. Confirmed, as outlined in the MPS technical specification, Section 02640 paragraph 2.11(2) & (4).

E-mail dated 3/30/17 –

74. At the pump station, what is the thickness of the shell next to the concrete generator pad and along the retaining wall?
- a. Use a minimum of an 8-inch shell base compacted layer of washed shell or crushed stone.
 - b. Use a minimum of an 8-inch shell base compacted layer of washed shell or crushed stone.
75. At the pump station, the plans call for crushed concrete as the road base. Is this crushed concrete required to be FDOT "Certified"?
- a. No, for additional guidance on road base requirements refer to MPS technical specification, Section 02575, 2.01 and detail UG-12.
76. At the pump station, Bid Item #7 Water Service Connection & Meter Box Assembly. Please clarify exactly what is included in this bid item.

- a. Bid item #7 is now bid item #9, Water Service Connection and Meter Box Assembly, and has been partitioned to bid item 9.1, a 1" water service connection with meter box assembly, and bid item 9.2, a 2" water service connection without meter box assembly.
77. At the pump station, Bid Item #8 Backflow Preventer Assembly. The bid quantity is 2 each, but I count 3. There is a 1-1/2" and 3/4" on the watermain and a 2" on the irrigation. Please adjust bid quantity.
- a. See bid item #10 for an updated accounting of backflow preventers needed. MPS plan sheet 5 of 12 illustrates that the 1 1/2" line splits into 2 separate 3/4" lines that each require backflow prevention. There is also a 1" water line with backflow preventer upstream of the 1 1/2" line at approx. STA 73+70 and a 2" irrigation line at approx. STA 72+70.
78. At the pump station, plan sheet 5 calls for 1" polytube for the sump discharge. On plan sheet P-1, the sump discharge is 2". Please clarify which is correct.
- a. Use 2" polytube for sump discharge. MPS plan sheet 5 of 12 updated to reflect changes.

END OF STANTEC RESPONSES.