



PURCHASING DEPARTMENT
DIVISION OF BUDGET & FINANCE

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**PUR-1330
ADDENDUM NO. 4
INVITATION TO BID**

CAPACITY MANAGEMENT PROJECT – SHOWALTER ROAD

DATE: Friday, February 3, 2017

BIDS DUE: Wednesday, February 15, 2017
(Revised Date via Addendum No. 3) 2:00 P.M.

To Bidders:

This Addendum is hereby made a part of the Contract Documents on which all bids will be based and is issued to correct and clarify the original documents.

Please acknowledge receipt of this Addendum at the appropriate space on the Proposal Form. This Addendum consists of twenty-four (24) pages and one attachment.

NOTE: All Bidders must enter the County Administration Building through either the front entrance at 100 West Washington Street or through the rear entrance (w/blue canopy roof) which is handicap accessible. Bidders must also use the elevator to access the Purchasing Department for submitting their bid. Alternate routes are controlled by a door access system.

ITEM NO. 1: *Inquiry:* What are the approximate lengths of the pipes to be installed on the project?

Response: Approximately 5,305 feet of 3” pipe and 2,767 feet of 8” pipe.

ITEM NO. 2: *Inquiry:* Are there any portions of the project that will need to be Bored?

Response: Yes, there will be areas that will need to be directional bored on this project.

ITEM NO. 3: *Inquiry:* Are the crossings to be Jack & Bored or Directionally Bored?

Response: The crossing will be Directionally Bored.

ITEM NO. 4: *Inquiry:* What are the approximate lengths and diameters of the portions to be bored?

Response: 240’ of 8” DR 11 HDPE and 200’ of 12” DR 11 HDPE.

(NOTE: The wording of all “Inquiries” submitted are displayed exactly as received.)

- ITEM NO. 5:** *Inquiry:* How much is the required bid bond for the project?
Response: Refer to the bid document, Page 4, Information to Bidders, Item No.12.
- ITEM NO. 6:** *Inquiry:* How much is the cost estimate of the project?
Response: Refer to the bid document, Page 6, *Revised* Information to Bidders, Item No. 29.
- ITEM NO. 7:** *Inquiry:* Do you have any further details you wish to provide?
Response: No, the County does not have any additional details.
- ITEM NO. 8:** *Inquiry:* Please provide the Engineer’s Estimate for the project.
Response: Refer to the bid document, Page 6, *Revised* Information to Bidders, Item No. 29.
- ITEM NO. 9:** *Inquiry:* Will the County provide the Excel worksheet (digital file) of the **Bid Form / Schedule of Prices** to the bidding Contractors?
Response: No, the County will not be providing an Excel worksheet (digital file).
- ITEM NO. 10:** *Inquiry:* Since the bid form includes contingent pay items in addition to the base bid, please confirm the basis of award for the project.
Response: Award for this project will be the Total Sum Bid of Base Bid Items and Contingent Items.
- ITEM NO. 11:** *Inquiry:* Please confirm the project does not require an Engineer – Inspector Office Trailer.
Response: Refer to the bid document, Page 6, *Revised* Information to Bidders, Item No. 30.
- ITEM NO. 12:** *Inquiry:* **General Condition.6.04 – Samples, Tests, Cited Specifications** – paragraph (b) states “Acceptance testing by the County as described here and elsewhere is not to be considered as a replacement for quality control testing conducted by the Contractor or a manufacturer producing materials for the Contractor.” Is the contractor required to provide Quality Control testing for this project? Is so, how will this item be paid to the Contractor?
Response: Refer to the bid document, Page 6, *Revised* Information to Bidders, Item No. 31.
- ITEM NO. 13:** *Inquiry:* The design drawings and details reference the installation of “Filter Dike(s)” as detailed on plan sheet 12; however, no pay item(s) have been

established for sediment and erosion control measures. Please establish a pay item for the installation, maintenance and removal of the applicable Filter Dike(s) and other sediment and erosion contract devices.

Response: Refer to the bid document, Page 201-2, Division II, *Revised Measure and Payment*, Bid Item 103.

ITEM NO. 14: *Inquiry:* **Division II – Section 203 Excavation and Backfilling Paragraph 203.02 General** – states “The approved Soil Erosion and Sediment Control plan shall be a guide of acceptable practices required for this project. Any additional measures required due to field conditions or the methods of construction utilized shall be provided by the Contractor at no additional costs to the County.” Please provide a copy of the aforementioned “approved Soil Erosion and Sediment Control plan.”

Response: The Plan Drawings are the approved Soil Erosion and Sediment Control Plan.

ITEM NO. 15: *Inquiry:* **Bid Item 106 – Connect to Existing Gravity @ Route 11** – The detail for this connection, as shown on plan sheet 11, indicates the Contractor is to connect to an existing 8-inch Force Main in lieu of “Gravity” sewer pipe. Please clarify.

Response: Refer to the bid document, Page 12, *Revised Bid Form/Schedule of Prices*, Item No. 106 and the *Revised Measure and Payment*, Page 201-2, Division II, Bid Item 106.

ITEM NO. 16: *Inquiry:* **Bid Item 107 – Connection to Existing Manhole #15-717** – Please clarify the following:

- Please confirm and/or provide the type of pipe of the existing force main.
- Will the proposed fittings require Mechanical Joint restraints?

Response: 1. The existing gravity line is unknown please see Detail on Sheet No. 11 of 12.

2. Yes, the proposed fittings require mechanical joint restraints.

ITEM NO. 17: *Inquiry:* **Bid Item 108 – Connection to Existing Manhole #15-1144** – Please clarify the following:

- In accordance with plan sheet 8 of 12, the “Tie-In elevation to be verified in the field.” Since this is a proposed 8-inch force main, please provide the required vertical offset from the existing invert to the proposed invert.
- Will this vertical offset require the installation of an inside drop manhole connection?

Response: 1. The required vertical offset shall be 0.10’ higher than the invert out.

2. No inside drop shall be required for this connection.

ITEM NO. 18: *Inquiry:* **Bid Item 109 – Grinder Pumps:** Please review and confirm the following:

- Please confirm the Contractor is responsible for the furnishing and installation of the proposed package grinder pump, complete, inclusive of the electrical control panel and applicable connections, floats, etc.
- Plan sheet 3 indicates the Contractor is to connect to the existing gravity sewer main, prior to existing MH #15-1041 for the placement and construction of the Triplex Grinder Pumps. Please confirm the connection is to the main line pipe and not the manhole.
- Please provide details for the required connection to the existing 8-inch gravity sewer line.
- Please provide a site plan indicating the location, grading, design elevations, structure inverts, etc. for the construction of the Triplex Grinder Pumps.
- Is MH #15-1041 a terminal manhole? If not, please provide the location, size and pipe type of the main line to/from this manhole.

Response: 1. Yes, the Contractor is responsible for the grinder pump package. Refer to the bid document, Page 13, *Revised* Bid Form/Schedule of Prices, Item No. 109 and the Revised Measure and Payment, Page 201-3, Division II, Bid Item 109.

2. Please see the new Detail on Sheet No. 9 of 12 for Pump Connection Details.
3. Please see the new Detail on Sheet 9 of 12 for Pump Connection Details.
4. Please see the new Detail on Sheet 9 of 12 for Pump Connection Details.
5. MH #15-1041 is not a terminal manhole. Please see new Detail on Sheet No. 9 of 12.

ITEM NO. 19: *Inquiry:* **Bid Item 110 – 8-Inch DR 26 Force Main and Bid Item 112 – 3-Inch DR 9 Force Main:** Please review and clarify the following:

- HDPE is available in two (2) types, Iron Pipe Size (IPS) and Ductile Iron Pipe Size (DIPS). Please clarify which type shall be used for these pay items.
- As noted within other pay items, Plug Valves and fittings are to be installed. Please confirm the specified pipe type will allow for the direct connect to the proposed fitting and/or valves.

- Plan sheet 10 provides detail SW-9.1. Note 3, of this detail, states “All pipe joints inside casing pipe shall be restrained with mechanical restraints.” Since the carrier pipes are fusion welded HDPE pipe, please confirm the need for mechanical restraints within the casing pipe.
- If mechanical restraints are required, please confirm the installation of the force main pipes, including mechanical joint restraints can be accommodated within the designed 16-inch diameter DR-19 casing pipe.
- In accordance with the Bid Form and Measurement and Payment for Item 112 indicates 3-inch HDPE DR 9 Force Main, while the profiles indicate 3-inch HDPE DR 26. Please clarify.
- Plan sheet 11 provides a detail for the proposed connection of the new 8-inch force main to the existing force main at U. S. Route 11 and states “All MJ fittings shall have Foster Adaptors.” Please confirm - will “ALL” fittings within the force main system shall have Foster Adaptors or is this note isolated to this connection?
- Please confirm the location of the existing O/H power lines between 3-inch HDPE force main station 12+50 and 19+00. This information is not shown on the design plans.
- Plan sheets 5 and 8 show the 3-inch and 8-inch force main crossing the existing airport access driveway. Accordingly, this location appears to be behind the security fence near and around the automated security gate. Please provide details for the location of existing electrical conduit and features.
- Please provide a pay item for the removal and resetting of the security fence.
- Further, is the Contractor responsible for temporary security fencing at this location during the installation of the directional bore and force main installation?

- Response:
1. Pipe type shall be Iron Pipe Size; refer to the *Revised* Attachment No. 2.
 2. All connections to valves and flanges shall be a flanged connection.
 3. Because the carrier pipes are fusion welded, mechanical restraints are not required.
 4. Because the carrier pipes are fusion welded, mechanical restraints are not required.
 5. Refer to the bid document, Page 13, *Revised* Bid Form/Schedule of Prices, Item No.112 and the Revised Measure and Payment, Section 201-3, Bid Item 112.

6. Yes, Foster adaptors shall be utilized between the mechanical joint fittings.
7. All overhead power lines information has been indicated on the applicable *Revised* Drawings.
8. Contractor shall verify all utilities locations prior to digging.
9. Refer to the bid document, Page 6, *Revised* Information to Bidders, Item No. 33.
10. Refer to the bid document, Page 6, *Revised* Information to Bidders, Item No. 33.

ITEM NO. 20: *Inquiry:* **Bid Item 111 – 8-Inch Plug Valve Bore:** Please clarify the term “Plug Valve Bore”.

Response: Refer to the bid document, Page 14, *Revised* Bid Form/Schedule of Prices, Item No. 111.

ITEM NO. 21: *Inquiry:* **Bid Item 114 – Pavement Repairs** - plan sheets 5 and 6 indicate an area of the existing shoulder, along the north side of Showalter Road is to be removed and replaced. Further, on plan sheet 6, the access road along the south side of Showalter Road is hatched. Please clarify the following:

- Is the removal and replacement of the existing shoulder to be paid by **Bid Item 114 – Pavement repairs**?
- Please consider adjusting the Unit of Measurement to Square Yards in lieu of Lump Sum.
- Is the HMA of the access road, as noted by the “hatched” symbol (plan sheet 6) to be removed and replaced? If so, will this work be included with **Bid Item 114 – Pavement Repairs**?

Response:

1. Yes, this item will be paid under Item No. 114, Pavement Repairs.
2. The existing shoulder repair shall be paid for under the *Revised* Bid Form/Schedule of Prices, Page 14. Item No. 114 and the *Revised* Measure and Payment, Division II, Page 201-4, Item 114.
3. The existing shoulder repair shall be paid for under the *Revised* Bid Form/Schedule of Prices, Page 14. Item No. 114 and the *Revised* Measure and Payment, Division II, Page 201-4, Item 114.

ITEM NO. 22: *Inquiry:* **Bid Items 115 – Showalter Road Boring:** This pay item includes an estimated Bid Quantity of 100-LF. Please clarify the following:

- In accordance with the design drawings, a 16-inch HDPE casing pipe is shown for each of the force mains (3-inch and 8-inch) crossing

Showalter Road. Please confirm two (2) 16-inch casing pipes are to be bored under Showalter Road.

- If the design intent is to install only one (1) 16-inch casing pipe, please confirm the 3-inch and the 8-inch carrier pipes, including the mechanical joint restraints (if required) will fit within the designed casing size.
- The design profiles for the 3-inch HDPE force main casing indicates 86.68 LF and the 8-inch HDPE force main casing indicates 86.09 - LF. Please confirm the pay quantity.
- Please confirm the boring and receiving pits, required for the Jack and Bore installation of these casing pipes, will not impact the decorative security fence along the north side of Showalter Road, or provide a pay item for the removal and replacement.

- Response:
1. Refer to the *Revised* Drawings Sheet No. 6 of 12 and Sheet No. 7 of 12 for the casing information.
 2. Refer to the *Revised* Drawings Sheet No. 6 of 12 and Sheet No.7 of 12 for the casing information.
 3. Refer to the bid document, Page 16, *Revised* Bid Form/Schedule of Prices, Item No. 121 and Item No. 122.
 4. This area shall either be Directional Bored or Open Cut. There shall not be any impact on the fence.

ITEM NO. 23: Inquiry: **Bid Item 116 – Route 11 Boring:** The bid quantity indicates 180-LF, while the design drawing profile indicates approximately 20-LF. Please confirm the location of the 180-LF Route 11 boring and/or clarify the limit of the Route 11 Boring.

Response: Refer to the bid document, Page 16, *Revised* Bid Form/Schedule of Prices, Item No. 122 and the *Revised* Sheet No.7 of 12.

ITEM NO. 24: Inquiry: **Bid Item 117 – Furnish & Install Force Main Flushing Connection –** The Measurement and Payment description states “flushing connection complete.” Please review and clarify the following:

- The description states “bollards”; however, the design drawings do not appear to include this feature. Please establish the number, size, material type and layout for the bollards, if required.
- The design details on plan sheet 10 indicate a Standard Manhole Frame & Cover is to be included. Further, **Bid Item 119 – Standard Frame and Cover** is included. Will the Standard Frame and Covers, required for the flushing connections, be measured and paid under Item 119 or are they to be included within Item 117?

- Response:*
1. Refer to the bid document, Page 201-4, *Revised Measure and Payment*, Bid Item 116.
 2. Refer to the bid document, Page 201-4, *Revised Measure and Payment*, Bid Item 116.

ITEM NO. 25: *Inquiry:* **Bid Item 118 – Furnish & Install Air Release Valve & Manhole:** There are two (2) details included within the design plans, S-7.2B and a “duplex” ARV detailed on plan sheet 9. According to the design plans, two (2) ARV’s per detail S-7.2B and one (1) duplex ARV are shown. Please clarify the following:

- Confirm the pay quantity of this Bid Item 118 for ARV per Detail S-7.2B.
- Provide a new pay item for the duplex ARV & manhole per detail sheet 9 of 12.
- The details refer to 4-inch diameter piping; however, no indication of transition from the designed force main diameters through the ARV vault. Please clarify the required pipe size, type and pipe class through the proposed ARV vaults.
- Please confirm the precast Manhole(s) are included within this pay item.
- Please confirm the Manhole Frame and Covers are paid separately under Bid Item 119.

- Response:*
1. Refer to the bid document, Page 15, *Revised Bid Form/Schedule of Prices*, Item No. 117 and Page 201-4, *Revised Measure and Payment*, Bid Item 117.
 2. Refer to the bid document, Page 14, *Revised Bid Form/Schedule of Prices*, Item No. 115 and Page 201-4, *Revised Measure and Payment*, Bid Item 115.
 3. The piping size shall remain the same size/type as the HDPE pipe.
 4. Yes, manholes are to be included with this item, see Page 14, *Revised Bid Form/Schedule of Prices*, Item No. 117 and Page 201-4, *Revised Measure and Payment*, Bid Item 117.
 5. Yes, the frame and covers shall be paid for under bid Item No. 118, see Page 15, *Revised Bid Form/Schedule of Prices*, Item No. 118 and Page 201-4, *Revised Measure and Payment*, Bid Item 118.

ITEM NO. 26: *Inquiry:* **Bid Item 119 – Standard Frame & Cover:** The bid form indicates a **Lump Sum** Unit of Measurement and an Approximate Quantity of two (2). As noted above, the number of Air Release Valves appears to be three (3) total. Please confirm the following:

- Please correct the Unit of Measurement – **Each** in lieu of **Lump Sum**.
- Please confirm the correct Quantity.
- Please confirm these Standard Frame and Covers are not included within Bid Item 118.

- Response:
1. Refer to the bid document, Page 15, *Revised* Bid Form/Schedule of Prices, Item No. 118 and Page 201-4, *Revised* Measure and Payment, Bid Item 118.
 2. Refer to the bid document, Page 15, *Revised* Bid Form/Schedule of Prices, Item No. 118.
 3. Refer to the bid document, Page 15, *Revised* Bid Form/Schedule of Prices, Item No. 118 and Page 201-4, *Revised* Measure and Payment, Bid Item 118.

ITEM NO. 27: Inquiry: **Bid Item 122 – Casing of 3” HDE Force Main** – The design drawings indicate there are numerous locations where the “Pipe to be Directional bored Underneath Road”. Please confirm the following:

- The measurement and payment for this item states “The sewer carrier pipe installed within the limits of the casing pipe shall not be paid under any other bid item, but shall be included in the linear foot price bid for boring.” Please review the quantity of **Bid Item 112** and adjust to account for this described M&P, or adjust this description.
- The design profiles pages 4 and 5 indicate the casing pipe shall be 16-inch DR-19 HDPE Casing. The Measurement and Payment describes “steel casing”. Please clarify.
- Plan sheet 5 indicates a directional bore for the 3-inch force main under the existing driveway, while the profile does not include this casing. Please confirm.
- Please provide center line stationing for all force main casing pipe locations.
- Accordingly, please confirm pay quantity.

- Response:
1. Refer to the bid document, Page 13, *Revise* Bid Form/Schedule of Prices, Item No. 112 and *Revise* Bid Form/Schedule of Prices, Page 16, Item No. 121 and Page 201-3, *Revised* Measure and Payment, Bid Item 112 and Page 201-5, *Revised* Measure and Payment, Bid Item 121.
 2. Refer to *Revised* Plan and Profile Drawings and the bid document, Page 16, *Revised* Bid Form/Schedule of Prices, Item No. 121 and Page 201-5, *Revised* Measure and Payment, Bid Item 121.
 3. Refer to *Revised* Sheet No. 5 of 12.

4. Refer to *Revised* Plan and Profile Drawing.
5. Refer to the bid document, Page 16, *Revised* Bid Form/Schedule of Prices, Item No. 121 and Page 201-5, *Revised* Measure and Payment, Bid Item 121.

ITEM NO. 28: *Inquiry:* **Bid Item 123 – Casing of 8” HDPE Force Main** - The design drawings indicate there are numerous locations where the “Pipe to be Directional bored Underneath Road”. Please confirm the following:

- The measurement and payment for this item states “The sewer carrier pipe installed within the limits of the casing pipe shall not be paid under any other bid item, but shall be included in the linear foot price bid for boring.” Please review the quantity of **Bid Item 110** and adjust to account for this described M&P, or adjust this description.
- Plan sheet 5 indicates three (3) directional bores for the force main under the existing driveway and Airport Access Roadway, while the profile only includes the casing pipe under the Airport Entrance Roadway. Please confirm the 8-inch force main is to be installed within a casing pipe at Station 23+00 (+/-).
- Please confirm the 3-inch and 8-inch force mains are to be installed within separate casing pipes.
- Please provide center line stationing for all force main casing pipe locations.
- Accordingly, please confirm pay quantity.

Response: 1. Refer to the bid document, Page 13, *Revised* Bid Form/Schedule of Prices, Item No. 110 and Page 16, *Revised* Bid Form/Schedule of Prices, Item No. 122 and Page 201-3, *Revised* Measure and Payment, Bid Item 110 and Page 201-5, *Revised* Measure and Payment, Bid Item 122.

2. Refer to *Revised* Sheet No. 8 of 12.
3. Yes, the pipes shall be in separate casing pipes.
4. Refer to *Revised* Plan and Profile Drawing.
5. Refer to the bid document, Page 16, *Revised* Bid Form/Schedule of Prices, Item No. 122 and Page 201-5, *Revised* Measure and Payment, Bid Item 122.

ITEM NO. 29: *Inquiry:* The design drawings indicate the “Existing Utilities shown are for informational purposes only. Exact locations shall be test pitted and determined in the field before beginning construction.” Additionally, notes state the Contractor is

to “Verify in Field” the depth, location and /or existence of utilities. How will these “test pits” be measured and paid? Please establish a pay item for Utility Test Pits.

Response: Test pits shall be considered incidental to pipe installation and will not be paid for separately.

ITEM NO. 30: Inquiry: The detail for the connection to the existing sanitary sewer main at Route 11, shown on plan sheet 11, indicates connection to the existing 8-inch force main along the east side of U. S. Route 11. Please confirm the pipe type (PVC, SDR, and/or HDPE - IPS or DIPS, etc.), as noted above. Will the County, prior to the Contractor making this connection, be able to draw down and/or drain the existing force main in order to eliminate flow at the time of the connection?

Response: Refer to the bid document, Page 6, *Revised* Information to Bidders, Item No. 34.

ITEM NO. 31: Inquiry: Plan sheet 11 provides a typical trench detail. Please confirm the following:

- Please provide the separation dimension between the proposed force main pipes.
- Per the County’s typical trench detail, the pipe installation requires 6-inches of bedding stone and 1-VF of cover stone. Please confirm the trench backfill requirements for trenches in the following areas.
 - a) Existing Turf.
 - b) HMA Shoulder.
 - c) HMA Paved Driveway/Access and/or Frontage Road.
 - d) Route 11 Force Main Connection.
 - e) Test Pit Backfill.

Response: 1. Refer to the *Revised* Detail Sheet No. 11 of 12.

2. Refer to the bid document, Page 6, *Revised* Information to Bidders, Item No. 35.

ITEM NO. 32: Inquiry: Please provide a copy of the sign in sheet, listing the attendees from the Pre-bid meeting.

Response: This information was provided with Addendum No. 3.

ITEM NO. 33: Inquiry: As noted within the Pre-bid meeting, please provide a copy of the MDE permit.

Response: See Attachment No. 3 (MDE Permit) within the *Revised* Specifications.

ITEM NO. 34: Inquiry: As noted within the Pre-bid meeting, please confirm the project does not have Prevailing Wages and no Minority Participate requirements.

Response: Refer to the bid document, Page 6, *Revised* Information to Bidders, Item No. 36.

ITEM NO. 35: *Inquiry:* Please confirm anticipated Notice to Proceed date.

Response: Refer to the bid document, Page 6, *Revised* Information to Bidders, Item No. 37.

ITEM NO. 36: *Inquiry:* Due to the number of questions and potential complexity of the engineer's response, will the bidding Contractor be permitted to ask follow-up questions upon receipt of answers and/or addendum?

Response: The deadline to submit question was 4:00 P.M., Wednesday, December 21, 2017; interpretation of the meaning of the drawings, or specifications received after the deadline may not be considered.

ITEM NO. 37: *Inquiry:* Builders Risk Insurance - Section GC-7.13 of the General Conditions indicates that The contractor is to provide Builder's Risk insurance coverage. Traditionally, Builder's Risk coverage is required on buildings while they are under construction to protect the owner from loss prior to completion. Considering this project is comprised of underground utility work, the risk is clearly less than the total value of the project and the materials could be covered under Installation Floater coverage. If we can illustrate Installation Floater coverage equal to or in excess of the value of the project materials, will a separate Builder's Risk insurance policy be required on this project?

Response: Refer to bid document, Page 6, *Revised* Information to Bidders Item No. 38.

ITEM NO. 38: *Inquiry:* Engineer's Office - Will an engineer's office be required on this project? If so, please provide a detailed list identifying the size, necessary equipment, etc.

Response: Refer to bid document, Page 6, *Revised* Information to Bidders Item No. 30.

ITEM NO. 39: *Inquiry:* Prevailing Wages - Will this project be subject to State Prevailing or Davis Bacon wage rates? If so, please provide a copy of the wage decision applicable to this project.

Response: Refer to bid document, Page 6, *Revised* Information to Bidders Item No. 39.

ITEM NO. 40: *Inquiry:* MBE/WBE - Are there any specific MBE/WBE goals or requirements for this project?

Response: Refer to bid document, Page 6, *Revised* Information to Bidders Item No. 40.

ITEM NO. 41: *Inquiry:* Working Hours - Are there any work hour restrictions applicable to this project?

Response: Refer to General Conditions, Section 1.03, No. 30(c).

ITEM NO. 42: *Inquiry:* Soil Borings - Considering the amount of trench excavation on this project and the presence of numerous rock outcroppings, is there any soil boring information available?

Response: Refer to bid document, Page 6, *Revised* Information to Bidders Item No. 41.

ITEM NO. 43: *Inquiry:* Permits - The project specifications included copies of SHA permits acquired for the proposed project. If additional permits have been acquired for this project, please provide copies to all bidders.

Response: See Attachment No. 3 (MDE Permit) within the *Revised* Specifications.

ITEM NO. 44: *Inquiry:* Permits - Will the contractor be responsible for acquiring any additional permits on this project other than the electrical permit required for the new service to the grinder pump station?

Response: The County will be responsible for obtaining the Grading and the Utility Permits. The Contractor shall be responsible for the Electrical Permit.

ITEM NO.45: *Inquiry:* Joint Trench 8" & 3" Force Main - The typical trench section detail provided on plan sheet 11 does not provide the minimum separation required between the proposed 3" & 8" force mains. Please update the detail to provide the minimum separation requirements.

Response: Refer to the *Revised* Detail on Sheet No. 11 of 12.

ITEM NO. 46: *Inquiry:* Ductile Iron Fittings - The connections to existing piping as well as horizontal and vertical deflections shown in the project design will require the use of ductile iron fittings. Considering this is a sewer application, will standard cement lined ductile iron fittings be acceptable or will special coatings such as Protecto 401 or Perma-Shield 431 be required?

Response: Refer to the bid document, Page 7, *Revised* Information to Bidders, Item No. 42.

ITEM NO. 47: *Inquiry:* Casing Pipe - Please confirm the intent of Bid Item 122 - Casing of 3" HDPE Force Main. Measurement and Payment is not clear with regard to the casing material type (HDPE or Steel) and the installation methodology (Jack & Bore or Directional Bore). Please confirm the desired casing material type and method of installation for the casing pipe on the 3" HDPE Force Main.

Response: Refer to the bid document, Page 16, *Revised Bid Form/Schedule of Prices*, Item No. 121 and Page 201-5, *Revised Measure and Payment*, Bid Item 121.

ITEM NO. 48: Inquiry: Casing Pipe - Please confirm the intent of Bid Item 123 - Casing of 8" HDPE Force Main. Measurement and Payment is not clear with regard to the casing material type (HDPE or Steel) and the installation methodology (Jack & Bore or Directional Bore). Please confirm the desired casing material type and method of installation for the casing pipe on the 8" HDPE Force Main.

Response: Refer to the bid document, Page 16, *Revised Bid Form/Schedule of Prices*, Item No. 122 and Page 201-5, *Revised Measure and Payment*, Bid Item 122.

ITEM NO. 49: Inquiry: Route 11 Boring - The drawings currently do not show enough casing to cross the entire roadway. Additionally, please confirm if there are any additional construction easements available in addition to the LOD shown on the drawings. Finally, please provide stationing for the limits of the proposed casing at Route 11.

Response: Refer to the *Revised Sheet No. 7 of 12 and Page 7, Revised Information to Bidders*, Item No. 44.

ITEM NO. 50: Inquiry: Route 11 Boring - Measurement and Payment is not clear with regard to the casing material type (HDPE or Steel) and the installation methodology (Jack & Bore or Directional Bore). Please confirm the desired casing material type and method of installation for the Route 11 crossing.

Response: Refer to the *Revised Sheet No. 7 of 12 and Page 16, Revised Bid Form/Schedule of Prices*, Item No. 122 and Page 201-5, *Measure and Payment*, Bid Item 122.

ITEM NO. 51: Inquiry: Showalter Road Boring - Please confirm the need for a casing pipe to cross Showalter Road. There is currently an active construction site for the Love's Truck Stop that has open cut two crossings on this same roadway. Will an open cut installation be considered for the Showalter Road Crossing of the 3" & 8" HDPE force mains? If open cut is permitted, will casing pipe be required?

Response: The Contractor has the option to Open Cut or Directional Bore only at the Showalter Road Location. Refer to the bid document, Page 16, *Revised Bid Form/Schedule of Prices*, Item Nos. 121 and 122 and Page 201-5, *Revised Measure and Payment*, Bid Items 121 and 122.

ITEM NO. 52: Inquiry: Showalter Road Boring - What is the desired separation between the casing pipes for the Showalter Road Crossing?

Response: Refer to the *Revised Detail on Sheet No. 11 of 12*.

ITEM NO. 53: *Inquiry:* Showalter Road Boring - Measurement and Payment is not clear with regard to the casing material type (HDPE or Steel) and the installation methodology (Jack & Bore or Directional Bore). Please confirm the desired casing material type and method of installation for the Route 11 crossing.

Response: Refer to the bid document, Page 16, *Revised* Bid Form/Schedule of Prices, Item Nos. 121 and 122 and Page 201-5, *Revised* Measure and Payment, Bid Items 121 and 122 for Boring at the Showalter Location.

The Route 11 location shall be Directional Bored with 12" DR 11 HDPE casing, refer to the bid document, Page 17, *Revised* Bid Form/Schedule of Prices, Item No. 122 and Page 201-5, *Revised* Measure and Payment, Bid Items 121 and 122.

ITEM NO. 54: *Inquiry:* Carrier Piping - Measurement and Payment for the boring bid items (115, 116, 122 & 123) indicates "The sewer carrier pipe within the casing shall have all the joint restrained by mechanical means." Considering all proposed sewer piping is fused HDPE, please confirm where mechanical restraints will be required on the carrier piping.

Response: Because the carrier pipes are fusion welded, mechanical restraints are not required.

ITEM NO. 55: *Inquiry:* Boring - In the areas where directional boring is required, please confirm the procedure when rock is encountered. Will the contractor be required to make 3 attempts and then be permitted to open cut the crossing?

Response: Due to the new pavement the only area that will be open cut shall be the location at Showalter Road; everything else shall be Directional Bored.

ITEM NO. 56: *Inquiry:* Precast Manholes - Specification Section 204.12 states "All manhole section shall be lined with an HDPE line system.....". Please identify the structures that will require an HDPE line system on this project.

Response: The Air Release and Vacuum Vault shall be lined with HDPE.

ITEM NO. 57: *Inquiry:* Pipe Bedding - Specification Sections 203.27 describes the pipe bedding and granular encasement window around the new force main piping from 6" below piping invert to 12" above the crown of pipe. Please confirm the bedding requirements for all open cut force main are as stated. Additionally, please confirm all pipe bedding and granular encasement material as well as disposal of displaced excavated materials are incidental to the force main installation.

Response: The only case where granular encasement is needed is in the paved areas or if jagged rocks are in the bottom of the trench. Refer to the bid document, Page 6, *Revised* Information to Bidders, Item No. 35.

ITEM NO. 58: *Inquiry:* Trench Details - Please provide trench details to illustrate the bedding/backfill requirements for grass right of way, paved shoulder, paved roadway, etc.

Response: Refer to the bid document, Page 6, *Revised* Information to Bidders, Item No. 35.

ITEM NO. 59: *Inquiry:* Quality Control Testing - Who will be responsible for Quality Control Testing on this project?

Response: Refer to the bid document, Page 6, *Revised* Information to Bidders, Item No. 31.

ITEM NO. 60: *Inquiry:* Grinder Pump Station - Specification Section 204.25 states "Grinder pumps and basins to be used in conjunction with low pressure sewer systems shall be furnished by the Washington County Department of Water Quality." Will Washington County supply the proposed grinder pumps and basin for this project?

Response: Specification Section 204.25 has been deleted in its entirety.

ITEM NO. 61: *Inquiry:* Grinder Pump Station - Spare parts are listed on page 208-8 of the specifications for the proposed grinder pumps. How many sets of spare parts will be required, one set for each pump or one set for the project?

Response: Only one (1) set of spare parts shall be required for the project.

ITEM NO. 62: *Inquiry:* New Electric Service - Please confirm who will be responsible for the Potomac Edison fees associated with establishing the new electrical service for the proposed grinder station? These fees are typically unknown until the formal request for service is submitted to the Utility provider which will occur long after the bid date for this project. If the Contractor is responsible, please establish an allowance amount that all bidders will incorporate into their bid pricing as there is no way to estimate the cost at this time.

Response: Refer to the bid document, Page 7, *Revised* Information to Bidders, Item No. 43.

ITEM NO. 63: *Inquiry:* New Electric Service - Please confirm the new electrical service will be 120/240VAC Single Phase.

Response: Yes, the service shall be 120/240 VAC single phase.

ITEM NO. 64: *Inquiry:* New Electric Service - The drawings show the conduit for the new electrical service routed to pole number P.E. #25159. Has Washington County already coordinated with the Potomac Edison to identify P.E. #25159 as the preferred location for establishing the new electrical service? If not, are alternate alignments for the electrical conduit acceptable?

Response: The successful Contractor can submit an alternate alignment for approval.

ITEM NO. 65: Inquiry: New Electric Service - The electrical wire for the new service is shown as No. 10 Stranded Wire on the drawings. Considering the distance between the source power and the proposed triplex pumping station, No. 10 wire will not be sufficient to handle the anticipated voltage loss. Please confirm the wire size and total amps needed for the pumping station supply power.

Response: Refer to the bid document, Page 12, *Revised* Bid Form/Schedule of Prices, Item No. 105 and Page 201-2, *Revised* Measure and Payment, Bid Item 105.

ITEM NO. 66: Inquiry: Contingent Items - Are the Contingent Items available for payment of aggregate backfill material when required by the applicable trench details?

Response: Yes, if jagged rock is located in the bottom of trench.

ITEM NO. 67: Inquiry: Contingent Items - Are the Contingent Items available for payment of replacement backfill material when existing excavated materials are not suitable for re-use?

Response: Yes.

ITEM NO. 68: Inquiry: **Bid Item 102 – Clearing, Grubbing & Cleanup:** The design drawings provide a 20-FT wide Limits of Disturbance (LOD) easement for the construction of the force main. Has the County secured revertible construction easements beyond the noted LOD? The current 20-FT LOD does not allow for the installation of the utility within the center of the LOD and permit access around the excavation / backfill equipment. Please consider additional easement width.

Response: Refer to the bid document, Page 7, *Revised* Information to Bidders, Item No. 44.

ITEM NO. 69: Inquiry: **Bid Item 109 – Grinder Pumps** - Based upon our review of the design drawings, plan sheet 11 provides details for Franklin Electric V3F-IGP pre-packaged pump station. Accordingly, this pre-package pump station is a “simplex grinder pump for residential installation”. Also noted on plan sheet 11 is a detail for a “triplex” pump station labeled “Reference Quote: 96” Triplex”. Additionally, the specifications refer to FPS Model IGHP-231, as manufactured by Franklin Electric. Please clarify the pump system(s) required.

Response: Refer to the *Revised* Sheet No. 11 of 12.

ITEM NO. 70: Inquiry: **Bid Item 109 – Grinder Pumps** – Are the bidding Contractors to furnish and install the V3F-IGP pre-packaged simplex residential pump station as

noted above and detailed within the design drawings? If required, please provide the location(s) for this installation and applicable design elevations, site plan, etc.

Response: Refer to the *Revised* Sheet No. 11 of 12.

ITEM NO. 71: Inquiry: **Bid Item 109 – Grinder Pumps** – Further, please provide a pay item and quantity for the simplex residential grinder pump station(s).

Response: The Grinder Pumps shall be paid as a package. Refer to the bid document, Page 13, *Revised* Bid Form/Schedule of Prices, Item No. 109 and Page 201-3, *Revised* Measure and Payment, Bid Item 109.

ITEM NO. 72: Inquiry: Can the engineer schedule another day to walk the site?

Response: The Contractor can walk all areas of the site without the Engineer, with the exception of the Bowman Property.

ITEM NO. 73: Inquiry: Can we test dig the site prior to bidding?

Response: No.

ITEM NO. 74: Inquiry: Are there any geotechnical reports?

Response: Refer to the bid document, Page 6, *Revised* Information to Bidders, Item No. 41.

ITEM NO. 75: Inquiry: Are there any special requirements with operating near or on Airport property?

Response: No.

ITEM NO. 76: Inquiry: Please supply “The List of Materials” Approved by the County that is referenced in Division II Section 204.1 General on Page 204-1?

Response: East Jordon Iron Works and C.R. Semler are pre-approved vendors.

ITEM NO. 77: Inquiry: Does the County have a location to dispose of surplus excavations materials?

Response: Refer to the bid document, Page 7, *Revised* Information to Bidders, Item No. 45.

ITEM NO. 78: Inquiry: Does the Grinder Pump station tie in on the upstream side, before the Existing Manhole #SD 1041, as shown on Drawing 3?

Response: Refer to the new Detail on Sheet No. 9 of 12.

ITEM NO. 79: Inquiry: Verify the line size running into Existing Manhole #SD 1041?

Response: Refer to the new Detail on Sheet No. 9 of 12.

ITEM NO. 80: Inquiry: At what station is the “Proposed 3” Force Main” reduced to the “Existing 8” Force Main” as diagramed in the 3” Forcemain Connection on Drawing Sheet 11?

Response: The successful Contractor shall verify the station in the field.

ITEM NO. 81: Inquiry: Does the 3” Force main Connection on Drawing Sheet 11 represent the Existing Lateral at Existing Manhole #SD 15-1144 on Drawing Sheet 4 or, the Existing Lateral at Existing Manhole #SD 15-717 on Drawing Sheet 6?

Response: The existing 3” Force main on Sheet 11 refers to the connection at Manhole #SD15-717. Refer to the *Revised* Details on Sheet No. 11 of 12.

ITEM NO. 82: Inquiry: Should mechanical joint connections with the 3” plug valves be used in Item No. 113 – 3” Plug Valve, since mechanical joints are preferred for buried service? Spec Paragraph 204.04 on page 204-5 is unclear about the 3” plug valves. Mechanical joints can provide better flex in buried service.

Response: All valves and fittings connected to the HDPE force main shall be flanged connections.

ITEM NO. 83: Inquiry: Should Item No. 118 - Furnish and Install Air Release Valve & Manhole have a Quantity of 4? The drawings show the following 3 Air Release valves on the 3” HDPE line and 1 on the 8” HDPE line for a total of 4; however, the Item No. 118 has a Quantity of 2.

- 3” HDPE Air Release Valve and Manhole Station at 13+33.27 on Drawing Sheet 3
- 3” HDPE Air Release Valve and Manhole Station at 24+18.10 on Drawing Sheet 4
- 3” HDPE Air Release Valve and Manhole Station at 49+00 on Drawing Sheet 6
- 8” HDPE Air Release Valve and Manhole Station at 6+48.11 on Drawing Sheet 7

Response: Refer to the bid document, Page 15, *Revised* Bid Form/Schedule of Prices, Item No. 117.

ITEM NO. 84: Inquiry: Should Item No. 119 - Standard Frame and Cover be increased to 4 from 2 to cover the extra manholes in Item No. 118 - Furnish and Install Air Release Valve & Manhole?

Response: Refer to the bid document, Page 15, *Revised* Bid Form/Schedule of Prices, Item No. 118 and Page 201-4, *Revised* Measure and Payment, Bid Item 118.

ITEM NO. 85: *Inquiry:* Are hand tampers required under the pipe prior to installation?

Response: No.

ITEM NO. 86: *Inquiry:* Would the County consider changing Item No. 114 - Pavement Repair from a Lump Sum estimate to a Square Yard (SY) rate with the County's estimated Quantity?

Response: Refer to the bid document, Page 14, *Revised* Bid Form/Schedule of Prices, Item No. 114.

ITEM NO. 87: *Inquiry:* May we open cut from Station 800 to 900 on Drawing Sheet 7? The proposed bore terminates in the road, and then the road will be open cut, so may be just open cut for the proposed Item No. 115 - Showalter Road Bore?

Response: Yes, the Contractor shall have the option to Open Cut or Directional Bore Showalter Road. Refer to the bid document, Page 16, *Revised* Bid Form/Schedule of Prices, Item Nos. 121 and 122 and the *Revised* Measurement and Payment, Page 201-5, Bid Items 121 and 122.

ITEM NO. 88: *Inquiry:* Where is the Drawing Sheet 11 Powersewer Installation part of this project? There is no specification or Item No. for this construction.

Response: Refer to *Revised* Sheet No. 11 of 12.

ITEM NO. 89: *Inquiry:* Please clarify or provide the following Standard Details as referenced in Division II?
201-6, C-1: SELECT BACKFILL (APPROVED EARTH OR SHALE) AS DIRECTED, Standard Detail S-4

Response: Refer to the Detail SW 1.1 attached to this Addendum.

ITEM NO. 90: *Inquiry:* Please clarify or provide the following Standard Details as referenced in Division II?
201-7, C-4: 2500-PSI CONCRETE FOR CRADLES, BEDDING, AND ENCASMENT, AS DIRECTED, Standard Detail S-3

Response: Refer to the Detail SW 1.2 attached to this Addendum.

ITEM NO. 91: *Inquiry:* Please clarify or provide the following Standard Details as referenced in Division II?
202-1, PARAGRAPH 202.01 General, Standard Detail No. S-56 and/or Standard Detail No. S-57

Response: Refer to the Detail S-12.3 and S-12.4 attached to this Addendum.

ITEM NO. 92: Inquiry: Please clarify or provide the following Standard Details as referenced in Division II?
203-9, PARAGRAPH 203.20 EMBANKMENT, Standard Detail S/W 12.6

Response: Refer to the Detail SW-12.6 attached to this Addendum.

ITEM NO. 93: Inquiry: Please clarify or provide the following Standard Details as referenced in Division II?
204-13, PARAGRAPH 204.23 PIPELINE INSULATORS AND CASING END SEALS, Standard detail drawing S-44

Response: Refer to the Detail SW-9.1 attached to this Addendum.

ITEM NO. 94: Inquiry: Please clarify or provide the following Standard Details as referenced in Division II?
204-13, PARAGRAPH 204.24 SEWER TAPPING SADDLE, Detail S-26

Response: There is no longer a Standard Detail; the Contractor shall use a Tap Tee for this connection.

ITEM NO. 95: Inquiry: Please clarify or provide the following Standard Details as referenced in Division II?
204-14, PARAGRAPH 204.25 GRINDER PUMP – BASIN, standard detail S-28

Response: Refer to the Detail S-5.1 attached to this Addendum.

ITEM NO. 96: Inquiry: Please clarify or provide the following Standard Details as referenced in Division II?
205-7, PARAGRAPH 205.04 MANHOLE CONSTRUCTION, K. Manhole Connection For Future Extension, standard detail drawings S-20 and S-21

Response: Refer to the Detail SW-2.10 attached to this Addendum.

ITEM NO. 97: Inquiry: Please clarify or provide the following Standard Details as referenced in Division II?
207-7, PARAGRAPH 205.05 CONNECTION TO EXISTING SEWER A. Pressure To Gravity, standard detail S-30

Response: Refer to the Detail SW-2.10 attached to this Addendum.

ITEM NO. 98: Inquiry: Please clarify or provide the following Standard Details as referenced in Division II?
207-7, PARAGRAPH 205.05 CONNECTION TO EXISTING SEWER B. Low Pressure To Low Pressure, standard detail S-29

Response: Refer to the Detail S7.3 attached to this Addendum.

ITEM NO. 99: Inquiry: Please clarify or provide the following Standard Details as referenced in Division II?
205-8 & 205-9, PARAGRAPH 205.07 REPAIRS, standard detail sheet S-45,
standard detail sheet S-46

Response: There are is no standard repair details.

ITEM NO. 100: Inquiry: Please clarify or provide the following Standard Details as referenced in Division II?
205-15, PARAGRAPH 205.14 TESTING – air test form, std. Detail 8-61

Response: Refer to the Detail S-12.7 and Detail S-12.8 attached to this Addendum.

ITEM NO. 101: Inquiry: Please clarify or provide the following Standard Details as referenced in Division II?
205-16, HYDROSTATIC AND LEAKAGE TEST - PROCEDURE FOR TESTING
FORCE MAINS, PRESSURE SEWER., standard detail s-63

Response: Refer to the Detail S-12.8 attached to this Addendum.

ITEM NO. 102: Inquiry: Please clarify or provide the following Standard Details as referenced in Division II?
207-1, PARAGRAPH 207.02 RESTORATION WITHIN EXISTING
DEVELOPMENTS, B. County Roads, Detail S-54

Response: Refer to the County's Standard Detail UP 1.01 attached to this Addendum.

ITEM NO. 103: Inquiry: The drawing and electric conduit pay item call for 1.5" PVC AND #10 THHN wire to feed the new pump station. The triplex pump station specifications call for the pump controller to be 90 Amps. minimum. #10 wire is only rated for 30 Amps. and there is a significant voltage drop/distance that needs to be taken into consideration for the new service. Please clarify the intent and configuration of the proposed service and electrical work feeding the pump station.

Response: Refer to the bid document, Page 12, Revised Bid Form/Schedule of Prices, Item No. 105 and the Revised Measurement and Payment, Page 201-2, Bid Item 105.

ITEM NO. 104: Inquiry: Would directional drilling be an expectable alternative to open cut trench excavation for both the 3" and 8" FOR MAIN LINE.

Response: Yes.

ITEM NO. 105: *Inquiry:* After receiving Addendum No. 2 - Are we to price IPS pipe? At the pre-bid meeting, it was discussed and decided that DIPS would be used since that is what was referenced in paragraph one of attachment II.

Response: No, Iron Pipe Size shall be used.

ITEM NO. 106: *Inquiry:* Our concerns as a Direction Drilling contractor are that neither the DR 21 or DR 26 will withstand the pulling tensions created during the pullback process.

Response: Pipe classification has been updated to DR 11 HDPE.

ITEM NO. 107: *Inquiry:* There is no silt fence shown on the drawings, is none required?

Response: No.

ITEM NO. 108: *Inquiry:* It appears that some of the work will be close to existing power poles, has the county notified the owners of these poles? Will there will be charges for temporary bracing? If so, how much? Who will be responsible for these charges?

Response: There shall be no bracing needed.

ITEM NO. 109: *Inquiry:* The LOD is 20' wide. Given the additional depth in some areas and amount of overburden rock expected, a 20' LOD is very tight. Is it possible for the County to obtain a 10' temporary construction easement?

Response: Refer to the bid document, Page 7, *Revised* Information to Bidders, Item No. 44.

ITEM NO. 110: *Inquiry:* Will the county provide a laydown area close to the project?

Response: No.

ITEM NO. 111: *Inquiry:* Does the county have an area close to the project that can take excess spoils (rock)?

Response: The contractor shall be responsible for materials to be disposed of off-site.

ITEM NO. 112: *Inquiry:* What are the backfill specifications for work under the asphalt and shoulder along Showalter Road? Will 100% stone backfill be required? The SHA permit does not specify.

Response: Refer to the bid document, Page 6, *Revised* Information to Bidders, Item No. 35.

ITEM NO. 113: *Inquiry:* Is the intent for the force main to have 4' of cover or to follow the profiles? Installing the force main deeper than 4' of cover will generate excessive blasting, spoils and very tight LOD conditions.

Response: The force main shall be installed according to the plans.

ITEM NO. 114: *Inquiry:* Will the AMES submittal for an alternative Pump Package be accepted.

Response: Yes, the County will accept the pumps as an alternative to the specifications.

ITEM NO. 115: *Inquiry:* Will the Myers submittal for an alternative Pump Package be accepted.

Response: Yes, the County will accept the pumps as an alternative to the specifications. However, due to the higher horsepower per pump the contractor shall be responsible for any wire upgrade to accommodate the additional horsepower.

ITEM NO. 116: *Inquiry:* I did not see anywhere in the bid documents about MBE/WBE/DBE goals and or any information on prevailing wage rates, I would assume neither apply to this project? Can you confirm this.

Response: Yes, that is correct; MBE/WBE/DBE or prevailing wages are not required for this project.

ITEM NO. 117: Bidders shall submit the attached as their bid submittal no later than **2:00 P.M. (EST), Wednesday, February 15, 2017:**

Revised Form of Proposal (dated 2/03/2017)
Revised Bid Form/Schedule of Prices (dated 2/03/2017)
Revised Bid Bond (dated 2/03/2017)
Revised Agreement (dated 2/03/2017)
Revised Subcontractor Listing (dated 2/03/2017)

BY AUTHORITY OF:



Karen R. Luther, CPPO
Director of Purchasing