



**Posted Date:** April 11, 2024

**Solicitation No.:** B240151DWJ

**Solicitation Name:** Three Oaks WRF DIW-2

**Subject:** Addendum Number 4

The following represents clarification, additions, deletions, and/or modifications to the above referenced bid. This addendum shall hereafter be regarded as part of the solicitation. Items not referenced herein remain unchanged, including the response date. Words, phrases or sentences with a strikethrough represent deletions to the original solicitation. Underlined words and bolded, phrases or sentences represent additions to the original solicitation.

**1. UPDATED BID SCHEDULE**

The Bid Schedule has been updated and a new Bid Schedule has been uploaded to the project webpage on the Lee County Procurement website.

Please ensure that your firm has downloaded the Bid Schedule and have been able to successfully use the Excel format. Any firm having compatibility issues or difficulty downloading the Bid Schedule needs to contact the Procurement Analyst for this project at their earliest convenience.

**Do not wait until submission day to download. Procurement is not required to extend a closing due to Contractor delay or difficulty in receipt or download of documents.**

**2. REVISED PLANS & TECHNICAL SPECIFICATIONS**

Revised plans and technical specifications have been uploaded to the project webpage on the Lee County Procurement website.

Please ensure that your firm has downloaded the revised plans and technical specifications accordingly. Bidders are required to acknowledge this addendum has been received per Form 1 – Solicitation Response Form.

**3. ATTACHMENTS**

- Revised Bid Schedule Addendum 4
- Attachment A: Existing Lift Station D-120-105
- Attachment B: A01 67 00 Meteorological and Seismic Technical Specifications
- Attachment C: M-103 Clarification
- Attachment D: Asphalt Pavement Detail

**4. QUESTIONS/ANSWERS**

1.	Drawing sheet C-103 notes that the 6” SDR 26 PVC drain line is to be core bored into the existing wet well. Are there any specialty liners inside of this wet well that need to be accounted for? Please provide detail required for sealing the pipe penetration into the wet well. Also, please provide penetration details for the 1’ x 1’ x 1.5’ IW sump for this same drain line, including rebar placement and reinforcement.
<b>Answer</b>	<b>The existing wet well is fiberglass reinforced polyester. See <u>Attachment A</u> for Drawing D-120-105 of the existing lift station for reference. Field penetrations for inlet hubs and cutouts can be made with a hole or jigsaw and shall be sealed with waterproof epoxy compatible with the existing FRP wet well. Wet well inlets or</b>

	<p>hubs can be field fabricated with short pieces of PVC pipe, pipe coupling or a bell end of a gasket joint PVC pipe. Turn the gasket joint "upstream" to make it a flexible connection. Cut a reasonable round hole, insert pipe into wet well, and "mud and wipe" the joint both inside and outside with suitable epoxy. Coordinate with Owner for the supplier of the existing FRP wet well to determine suitable waterproof epoxy.</p> <p>For the 6" drain line penetration in the DIW pad sump, no additional reinforcement is required for a 6" opening. The 6" drain line penetration shall be located as needed to avoid sump rebar. Provide water stop.</p>
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2.	Drawings sheets S-001 note under delegated design references spec section 016700. There is no section 016700 in the provided specifications. Please clarify.
Answer	<b>Please see Attachment B for Specification 01 67 00 Meteorological and Seismic Design Criteria that will be added to the Conformed for Construction specifications package as part of Part 2 - Above Surface Facilities.</b>

3.	Drawing sheet M-103 note 2 references spec section 15102 for the owner provided valve. There is no section 15102 in the provided specifications. Please clarify.
Answer	<b>Note 2 on Sheet M-103 should be referencing Part 2 - Section 40 05 62.16 for the owner provided valve. See response to question 12.</b>

4.	Drawing sheet M-103 delineates where the stainless-steel wellhead and ductile iron surface piping meet (on the well side of the 20" gate valve identified as 80-V-17). The drawing and specification section 40 05 61.23 indicates 80-V-17 to be a 20" resilient seated, flanged, ductile iron gate valve. However, drawing M-503 calls out this same valve to be 316ss construction (without a 316ss gate valve specification section). Please clarify what type of valve this is to be and provide the specification section for stainless steel gate valves if it is intended to be stainless steel.
Answer	<b>The callout on drawing M-503 is incorrect. 80-V-17 should be a 20" ductile iron gate valve. This correction will be included in the Conformed for Construction drawings package.</b>

5.	Drawing sheet M-503 calls out (3) 316ss gate valves. One 20" gate valve as noted in the question above, one 6" gate valve and one 24" gate valve that does not have a valve ID and is not referenced in any of the valve schedules in Part 2 of the specifications. One would assume that the 6" and 24" valves would be covered by part 1 of the specifications. However, part one, section 40 05 513.16 Gate Valves does not cover stainless steel gate valves. Please provide a specification for stainless steel gate valves or clarify the material of construction needed for these valves. Addendum 2 did not adequately address this question.
Answer	<b>The callout on drawing M-503 is incorrect. 80-V-17 should be a 20" ductile iron gate valve. At the wellhead, the 6" stainless steel gate valve for the ARV is 80-V-16 and the 24" stainless steel gate valve (below the tee) is 80-V-15. Part 1 - Section 40 05 56 Paragraph 2.2 includes details on stainless steel valves. This correction will be included in the Conformed for Construction drawings package.</b>

6.	Section 40 05 51.16 Gate Valves references section 40 05 05.11 – Valves, General (1.1B and 1.2A). Part One, Division 40 Specification section 40 05 05.11 is titled Piping, General. Please clarify this discrepancy.
Answer	<b>Part 1 - Section 40 05 51.16 Paragraphs 1.1B and 1.2A should be referencing Part 1 - Section 40 05 56 Valves, General. This correction will be included in the Conformed for Construction specifications package.</b>

7.	Section 40 05 51.16 Gate Valves references section 40 05 05.16 – Valve and Gate Actuators (1.1C & 2.1A). This is a circular reference. Is this intended to reference Part One Division 40, section 40 05 57 Valve and Gate Actuators? Please clarify this discrepancy.
<b>Answer</b>	<b>Part 1 - Section 40 05 51.16 Paragraphs 1.1C and 2.1A should be referencing Part 1 - Section 40 05 57 - Valve and Gate Actuators. This correction will be included in the Conformed for Construction specifications package.</b>
8.	It appears there are two separate sets of specifications, titled Part 1 – Downhole Construction and Part 2 – Above Surface Facilities. These two parts have overlapping, repeated section numbers – some are duplicates word for word and some have different language (i.e. section 40 05 57 in part 1 vs part 2). If this is all to be included in one contract, can the duplicate specification sections be combined or removed to avoid potential confusion? For example, there are two measurement and payment sections with the same section number.
<b>Answer</b>	<b>Part 1 - Downhole Construction Specifications and Part 2 - Above Surface Facilities Specifications have been combined into a single bid package at the direction of the County. Part 1 - Section 01 22 13 Measurement and Payment applies to the corresponding bid items I-1 through II-42 listed under Part 1 of the bid form. Part 2 - Section 01 22 13 Measurement and Payment applies to the corresponding bid items III-1 through III-16 listed under Part 2 of the bid form (See Addendum 4 for Revised Bid Schedule). Duplicated spec sections will not be combined or removed. Refer to Part 1 - Section 01 11 00 Paragraph 1.2 for separation of downhole construction and above surface facilities scope of work.</b>
9.	Specification section 40 05 23 Stainless Steel Pipe and Fittings, (2.1A) states that Stainless steel pipe 12 inches in diameter and larger shall be in accordance with ASTM A 409 - Welded Large Diameter Austenitic Steel Pipe for Corrosive or High-Temperature Service or ASTM A 778 - Welded, Unannealed Austenitic Stainless Steel Tubular Products, Type 316L; whereas section 33 26 05 Well casing (2.02D) states that The final 10 feet of the injection well final casing shall be new, unused 316L stainless steel conforming to the requirements of ASTM A312/A312M, Type 316L. Please confirm if all above grade stainless steel pipe can conform to ASTM A213/312M to match the final 10 ft of the final casing as mentioned in section 33 26 05.
<b>Answer</b>	<b>The final 10' of downhole well piping should be in accordance with ASTM A 312. All others should be in accordance with ASTM A 409 and ASTM A 778 as specified in each of their respective sections.</b>
10.	Section 40 05 62.16 (3-1 Preinstallation Check) indicates: " <i>If defects are found by the manufacturers, a price for modifications/repairs shall be provided to the Engineer and Contractor within two weeks of completing the evaluation work. The modifications/repairs and cost of the modifications/repairs will be reviewed and evaluated by the Owner and Engineer, after which direction will be provided to the Contractor.</i> " If either the valve or the actuator (or both) is found to be defective – is the cost of the replacement item supposed to be included in the existing line item, or will this be an additional contingency item to be added at a future date if needed?
<b>Answer</b>	<b>There will not be contingency allowances included in the bid for this project. However, after review and approval from the Owner and Engineer, the cost for any such modifications/repairs will be added to the project via change order at a future date if warranted.</b>
11.	Addendum 2 stated that there are 2 separately sized ARVs without clearly defining which valves this is referencing. Please update schedule of valves (40 05 86-S01) to

	indicate the proper sizes for 80-V-19 and 80- V-18 to avoid any confusion or misinterpretation of addendum 2. Additionally, drawing M-103 indicates that the 6” gate valve is 80-V-18 when the air valve schedule of valves indicates 80-V-18 is an air valve. Please clarify what 80-V-18 is supposed to be referencing on drawing M-103.
<b>Answer</b>	<b>80-V-18 shall be a 6" air valve in accordance with Sheet M-503. 80-V-18 size will be corrected in the Conformed for Construction Air Valve Schedule 40 05 86-S01. 80-V-19 shall be a 4" air valve in accordance with Air Valve Schedule 40 05 86-S01. The callout for 80-V-18 found in drawing M-103 should be pointing to the air valve, not the gate valve. This correction will be included in the Conformed for Construction drawings package.</b>

12.	Drawing M-103 calls out what appears to be a 6” butterfly valve (80-V-14). The schedule of valves does not contain an 80-V-14 in the AWWA butterfly valve schedule (40 05 64.11-S01). Additionally, there is no specification for AWWA butterfly valves. Please provide clarification.
<b>Answer</b>	<b>This 6" butterfly valve is being provided by the expansion project.</b>  <b>Please see Attachment C for annotated M-103 for portions of the work that have been removed from this contract. The following scope of work has been removed from this contract and will now be constructed by others under the expansion project: demo and relocation of effluent pump station piping as shown on M-101, new effluent pump station concrete pad extension as shown on S-102, and new 24” piping, fittings, and valves highlighted in yellow in Attachment 3 for revised M-103. This DIW scope starts at the 24” DIP connection to the 24” check valve 80-V-11B.</b>  <b>Please see Addendum 4 Revised Bid Schedule for the following changes:</b> <ul style="list-style-type: none"> <li>• <b>Part 2 - Item III-3 Demolish existing effluent pump station piping has been removed.</b></li> <li>• <b>Part 2 – Item III-5 Furnish and install concrete pad extension at effluent pump station has been removed.</b></li> <li>• <b>Part 2 – Item III-6 Furnish and install DI IW-2 piping has been reduced to quantity 60 LF.</b></li> <li>• <b>Part 2 – Item III-9 Furnish and install check valves has been removed.</b></li> <li>• <b>Part 2 – Item III-11 Furnish and install plug valves has been removed.</b></li> <li>• <b>Part 2 – Item III-13 Furnish and install concrete pipe supports has been reduced to quantity 3 EA.</b></li> </ul>

13.	Resilient seated gate valve schedule 40 05 61.23 includes valves 80-V-16 & 80-V-15 that cannot be found anywhere on the drawings. Please clarify.
<b>Answer</b>	<b>These valves are depicted on Drawing M-503 and Drawing I-601. At the wellhead, the 6" stainless steel gate valve for the ARV is 80-V-16 and the 24" stainless steel gate valve (below the tee) is 80-V-15.</b>

14.	E-103, Note 4: There is no detail for this handhole. Can it be assumed the detail on sheet E-601 applies to Note 4 and Note 5?
<b>Answer</b>	<b>Yes, assume the detail on E-601 applies to Note 4 and 5.</b>

15.	E-103, Note 2 references sheet E-501 for fixture schedule. There is no sheet E-501. Please provide the missing page.
<b>Answer</b>	<b>E-103, Note 2 should refer to E-601. This correction will be included in the Conformed for Construction drawings package.</b>

16.	E-103: Please provide further information on relocating existing buried fiber conduit (i.e. Where does it need to be relocated? Is it only (1) conduit? Etcetera).
<b>Answer</b>	<b>Contractor to field verify and coordinate with the County.</b>
17.	E-103: Please confirm light poles are mounted on bases per detail and not mounted on proposed equipment pad.
<b>Answer</b>	<b>The light poles should be mounted according to the detail on E-601.</b>
18.	E-601: Please confirm manufacturer of existing panels to ensure proper breakers are furnished.
<b>Answer</b>	<b>Existing panels are Square D.</b>
19.	Plans show gate valves as shutoff valves for piping leading to ARVs. In spec section 40 05 86 "AIR VALVES", PART 2 PRODUCTS, 2.4 SHUTOFF VALVES, it calls for butterfly valves to be used on piping 3" and larger for clean water applications (ARVs are 4" & 6"). Is it the intent to use gate valves per the plans or butterfly valves per the spec?
<b>Answer</b>	<b>Provide gate valves as the shutoff valves for ARVs in accordance with plans.</b>
20.	<p>Part 1 Downhole Construction Section 40 05 56 Valves, General (2.2 Materials A. 3.) states:</p> <p><i>Unless otherwise indicated, provide valve and actuator bodies conforming to the following requirements:</i></p> <p><i>a. Stainless Steel: Stainless steel valve and operator bodies and trim shall conform to ASTM A 351 - Steel Castings, Austenitic, for High-Temperature Service, Grade CF8M, or shall be Type 316 stainless steel</i></p> <p><i>b. Elastomeric materials used for seat, seals and O-rings shall be compatible with temperature, pressures and fluid or gas service.</i></p> <p><i>1) Elastomeric materials for water with chloramines shall be Teflon or Viton-A.</i></p> <p>Whereas Part 1 Downhole Construction Section 40 05 51.16 – Gate Valves (Part 2 Products 2.2 B) states:</p> <p><i>Construction: Resilient-seated gate valves shall conform to AWWA C509 - Resilient-Seated Gate Valves for Water and Sewerage Systems. The valves shall be suitable for a minimum design working water pressure of 150 psig, with flanged, bell and spigot, or mechanical joint ends. The valve body, bonnet, and disc shall be of cast iron or ductile iron and the disc or body shall be rubber-coated. Body and bonnet wall thickness shall be equal to or greater than the minimum wall thickness as listed in Table 1 of AWWA C509. The stem, stem nuts, glands, and bushings shall be bronze, with the stem seal per AWWA C509.</i></p> <p>Please clarify the materials of construction for all gate valves in both part 1 and part 2 and update the drawings and valve schedule appropriately.</p>
<b>Answer</b>	<b>All gate valves on the well head (80-V-16 and 80-V-15) are to be stainless steel in accordance with M-503 and Part 1 - Section 40 05 56. Starting at the 20" gate valve at the tee of the well head, all surface facility gate valves (80-V-17, 80-V-11C, and 80-V-11D) are to be ductile iron in accordance with Part 2 - Section 40 05 61.23.</b>
21.	Drawings E-102 and E-103 reference what appears to be an existing 30-inch butterfly valve 80-FCV-07 and the valve schedule lists this to be actuated (AWWA BUTTERFLY VALVES SCHEDULE 40 05 64.11-S01). Additionally, Drawing I-601 states, "1. EXISTING VALVE. REFER TO SPECIFICATION SECTION 40 05 57. CONTRACTOR TO COORDINATE WITH OWNER TO CONFIRM DETAILS ON

	<i>VALVE LOCATION, TYPE, INSTALLATION, ETC.</i> ” Please confirm details on location, type, installation, etcetera so that the proper actuator may be quoted.
<b>Answer</b>	<b>Confirmed, the existing valve to be motorized is a 30" butterfly valve as located on E-103. Part 2 Section 40 05 57 provides product details and installation references on the valve actuator to be used in accordance with County standards.</b>

<b>22.</b>	Please clarify the intent of the last two sentences of Article 1.2 A of Section 01 11 00. Specifically does the intent of this reference result in the elimination of any of the “PART 2 – Above Surface Facilities” from the Bid Form?
<b>Answer</b>	<b>The Part 1 - Downhole Construction and the Part 2 - Above Surface Facilities construction activities are both included in this bid and should be included on the bid form.</b>

<b>23.</b>	If responses to these questions raise more questions, will there be an additional time period to ask those?
<b>Answer</b>	<b>Questions that are material in nature may require additional time for the County to respond.</b>

<b>24.</b>	Was looking to schedule a site visit for the Three Oaks DIW 2 project. Would tomorrow morning work? Please let me know.
<b>Answer</b>	<b>There will not be any additional site visits for this project.</b>

<b>25.</b>	We have a question on the Letter of Credit option (in lieu) of Payment and Performance Bonds. We understand that Payment and Performance Bonds are required at 100%, however what percent of the Total Amount would be required of the Letter of Credit option? For example, we have a DIW project with FPL which of similar value as the current Lee County DIW projects. In that case, FPL allowed a LOC (in lieu of Construction Bonds) and the LOC was agreed to at approximately 15% of the Total Amount.
<b>Answer</b>	<b>The Clean Irrevocable Letter of Credit or Cash Bond shall be 100% of the proposers project total.</b>

<b>26.</b>	There are no bid item descriptions in spec section 01 22 13 for the above surface facilities.
<b>Answer</b>	<b>Please see Part 2 - Section 01 22 13 for the bid item descriptions for the above surface facilities.</b>


<b>27.</b>	Currently the bid SOV has multiple line items numbers I-1, I-2, I-3, I-4, and I-5 (see part 1 general and part 2 above surface facilities). The prefix number for the above surface facilities bid items should probably be changed to III-xx.
<b>Answer</b>	<b>Please see Addendum 4 for Revised Bid Schedule updating the prefix numbers for the Part 2 bid items to "III". In the Bid Form under Part 2 - Above Surface Facilities, items III-1 through III-16 correspond to items 1 through 16 in Part 2 - Section 01 22 13 Measurement and Payment.</b>

<b>28.</b>	Pay item I-2 in above surface facilities appears to be redundant as it is included in pay item I-2 of downhole construction - general. Bonds will be secured for the entire project at the start of the project and there is only one bond for the entirety of the work.
<b>Answer</b>	<b>Please see Addendum 4 for Revised Bid Schedule. Part 2 - Item III-2 Performance and payment bond premiums and insurance has been removed. Costs for bonds and insurance shall be included in bid item Part 1 Item I-2.</b>

<b>29.</b>	If the bid deadline can be delayed by one week, it would allow us to secure better pricing for the County.
<b>Answer</b>	<b>The County at this time is keeping the current project schedule.</b>
<b>30.</b>	Sheet M-103 note 1 references section 15102. There is no section 15102 in the specifications.
<b>Answer</b>	<b>Please see response to question 3 above.</b>
<b>31.</b>	Addendum 2 calls for a 6" ARV. The ARV valve schedule in the specs only shows 4" ARV's. If a 6" ARV is required, please confirm. The isolation valve and piping will need to be upsized to 6" as well for this ARV. Please revise the specs and plans accordingly.
<b>Answer</b>	<b>Please see response to question 11 above.</b>
<b>32.</b>	Sheet I-601 appears to show a new valve 80-V-14. We cannot locate this valve in the valve schedules in the specs.
<b>Answer</b>	<b>Please see response to question 12 above.</b>
<b>33.</b>	Under what pay item are the bollards installed?
<b>Answer</b>	<b>Payment for bollard installation shall be included under Bid Form Part 2 – Item III-16 Finish grading and site restoration.</b>
<b>34.</b>	Please provide an asphalt pavement detail so that we can price restoration to areas damaged during construction.
<b>Answer</b>	<b>Please see Attachment D for asphalt pavement detail. This additional standard detail will be included in the Conformed for Construction drawings package. Please also refer to Part 2 – Section 32 10 01 Pavement Repair and Restoration and County Standard Detail No. 6.5 Trench Cross Section on C-501.</b>

**BIDDER/PROPOSER IS ADVISED, YOU ARE REQUIRED TO ACKNOWLEDGE RECEIPT OF THIS ADDENDUM WHEN SUBMITTING A BID/PROPOSAL. FAILURE TO COMPLY WITH THIS REQUIREMENT MAY RESULT IN THE BIDDER/PROPOSER BEING CONSIDERED NON-RESPONSIVE.**

**ALL OTHER TERMS AND CONDITIONS OF THE SOLICITATION DOCUMENTS ARE AND SHALL REMAIN THE SAME.**

  
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