

**ADDENDUM NO. 2  
TO  
CONTRACT DOCUMENTS AND SPECIFICATIONS  
FOR  
CITY OF GRAND ISLAND, NE  
CENTRAL NEBRASKA REGIONAL AIRPORT  
SANITARY SEWER COLLECTION SYSTEM REHABILITATION;  
PROJECT NO. 2017-S-4**

**DATE OF ISSUE: October 11, 2021**

**TO: PROSPECTIVE BIDDERS AND OTHER INTERESTED PARTIES**

**BID LETTING: OCTOBER 19, 2021 @ 2:00 PM (CST)**

THE CONTRACT DOCUMENTS AND SPECIFICATIONS, INCLUDING THE CONTRACT DRAWINGS, ARE HEREBY MODIFIED BY THE FOLLOWING ITEMS:

**CHANGES TO SPECIFICATIONS**

**AD-2 Item 1 SECTION 33 05 16 PRECAST CONCRETE MANHOLE STRUCTURES**

A. Page 33 05 16-1, ADD the following after 1.2.A.1.f:

“g. Division V – City of Grand Island Standard Specifications for Storm and Sanitary Sewers.”

**AD-2 Item 2 SECTION 33 05 16 PRECAST CONCRETE MANHOLE STRUCTURES**

A. Page 33 05 16-1, ADD the following to paragraph 1.3.A.5:

“a. Signed and sealed drawings shall be submitted for manhole structures with depths greater than 20 FT.”

**AD-2 Item 3 SECTION 33 31 11 GRAVITY SEWER PIPELINE AND MANHOLE CONSTRUCTION**

A. Page 33 31 11-5, DELETE the last sentence in paragraph 3.3.A.1. and REPLACE with the following:

“Interior weld beads must be removed immediately after fusion welding of each pipe joint.”

**AD-2 Item 4 SECTION 40 05 00 PIPE AND PIPE FITTINGS – BASIC REQUIREMENTS**

A. Page 40 05 00-11, DELETE paragraph 3.8.A.2.a.3) in its entirety and REPLACE with the following:

- “3) Buried force main beyond 5 FT of structures:
  - a) Standard Non-High Temperature Application Force Main (PE 4710 Piping):
    - (1) Materials: PE 4710, SDR 11.
    - (2) Reference: ASTM D3350, PE 345434C.
    - (3) Lining: None.
    - (4) Coating: None.
    - (5) Fittings: PE 4710, SDR 11, ASTM D3350.
    - (6) Joints: Thermal butt fusion, ASTM D3261.
    - (7) Gaskets: None.

- (8) Identification tape: Yes.
- (9) Tracer wire: Yes.
- b) High Temperature Application Force Main (PE-RT HDPE Piping):
  - (1) Materials: Performance Pipe Platinum Stripe 1800 Series PE-RT HDPE, SDR 17.
  - (2) Reference: ASTM D3350, PE 345434C.
  - (3) Lining: None.
  - (4) Coating: None.
  - (5) Fittings: PE 3408, SDR 11.0, ASTM D3261
  - (6) Joints: Thermal butt fusion, ASTM D3261.
  - (7) Gaskets: None.
  - (8) Identification tape: Yes.
  - (9) Tracer wire: Yes.”

**AD-2 Item 5 SECTION 40 05 33 PIPE – POLYETHYLENE (HDPE)**

- A. Page 40 05 33-2, DELETE paragraph 2.2.A.4 in its entirety and REPLACE with the following:
  - “4. SDR: 11”
- B. Page 40 05 33-2, DELETE paragraph 2.2.B.1 in its entirety and REPLACE with the following:
  - “1. SDR: 11”
- C. Page 40 05 33-3, DELETE paragraph 2.3. in its entirety and REPLACE with the following:
  - “2.3 PE 4710 PIPING (STANDARD NON-HIGH TEMPERATURE APPLICATION POLYETHYLENE PIPE)
    - A. General:
      - 1. Provide PE 4710 piping with fittings and appurtenances to locations shown on Drawings.
      - 2. Furnish materials in accordance with ASTM D3350 and full compliance to the following material specifications:
        - a. Material description: ASTM D1248, Type III, Class C, Category 5, Grade P34.
        - b. Cell classification: ASTM D3350, PE 345434C.
      - 3. Modulus of elasticity: ASTM D638, 130,000 PSI.
      - 4. Hardness: ASTM D2240, 65 Shore D.
      - 5. SDR: 17.0.
      - 6. DIPS for line size greater than 1 IN.
    - B. Fittings
      - 1. SDR: 17.0
      - 2. 4 to 10 IN: ASTM D3350.
      - 3. End connections:
        - a. Butt-fused ends for fitting 1-1/2 IN and greater.
      - 4. Mitered or field fabricated fittings are not allowed.
    - C. Installation: Install pipe and fittings as recommended by the manufacturer.
      - 1. Provide for a maximum deflection of not more than 5 PCT.
      - 2. PE 4710 shall not be field threaded.”

- D. Page 40 05 33-5, DELETE the last sentence in paragraph 3.2.E.1. and REPLACE with the following:

“Interior weld beads must be removed immediately after fusion welding of each pipe joint.”

**AD-2 Item 6 SECTION 43 25 13 PUMPING EQUIPMENT – SUBMERSIBLE END-SUCTION SEWAGE PUMPS**

- A. Page 43 25 13-2, Paragraph 2.2.A.6.c.1, REPLACE “105 DEGF” with “170 DEGF”.

## **CHANGES TO DRAWINGS**

### **00G-07 Summary of Quantities and General Notes**

- A. ADD the following General Notes:

- “23. ANY WORK DONE INVOLVING EXISTING WATER MAINS WILL REQUIRE REVIEW AND APPROVAL BY THE UTILITIES DEPARTMENT AND IN ACCORDANCE WITH GRAND ISLAND STANDARD SPECIFICATIONS DIVISION 6.
24. ANY WATER MAINS EXPOSED DURING COLD WEATHER SHALL BE INSULATED BY THE CONTRACTOR AND MUST BE INSPECTED BY THE UTILITIES DEPARTMENT.
25. A MINIMUM OF 10 FOOT HORIZONTAL AND 18 IN VERTICAL SEPARATION WILL BE REQUIRED BETWEEN OUTSIDE OF SANITARY SEWERS, MANHOLES AND FORCE MAIN AND OUTSIDE OF WATER MAINS. CONTRACTOR SHALL NOTIFY UTILITIES DEPARTMENT FOR VERIFICATION OF CLEARANCES.
26. CONTRACTOR SHALL SUBMIT A DETAIL FOR SUPPORT OF WATER MAIN WHERE REQUIRED FOR WORKING UNDER EXISTING WATER MAIN TO UTILITIES DEPARTMENT FOR REVIEW AND APPROVAL AT LEAST 3 WEEKS PRIOR TO ANY WORK OCCURRING IN THESE AREAS.”

### **00C-04 Civil Details**

- A. ADD the following after Note 6 of the ‘THRUST BLOCK’ detail:

- “7. THRUST BLOCK DETAILS PROVIDED HERE ARE FOR THE SANITARY FORCEMAIN ONLY. THRUST BLOCKING FOR ANY WATER MAIN WORK SHALL BE IN ACCORDANCE WITH THE CITY OF GRAND ISLAND STANDARD PLAN 134.”

### **01C-10 Sanitary Sewer Plan and Profile STA 150+00 to STA 163+72**

- A. ADD the following after Note 1:

- “2. FAA BURIED CABLES ARE LOCATED IN THE GENERAL AREA EAST OF 3579 SKY PARK RD. COORDINATE WITH THE AIRPORT AUTHORITY PRIOR TO EXCAVATION IN THE AREA FOR FIELD LOCATING THE BURIED CABLES.”

## QUESTIONS/CLARIFICATIONS

1. When will the project be awarded if the Bid date is on October 19, 2021? There is an issue with PVC/Pipe/Fitting Pricing, the PVC pipe is going up sometimes on a daily basis, we need to make sure our quote is good until the project is awarded.

Contingent upon responsive, reasonable bids without exceptions, recommendation for award will be presented to City Council on October 26, 2021. Anticipate Notice to Proceed to be issued October 27, 2021.

2. On Sheet 01C-03, Manhole H02-6495, How is this manhole paid for?

Manhole H02-6495 is paid for under Bid Items 10 and 11.

3. On Sheet 00G-07 Note 10, what does Note 10 say?

Note 10: All sanitary and force main manholes shall be 48" in diameter unless otherwise noted.

4. Where does the 10" HDPE High Temp pipe go on the project? There is nothing I can find that tells me, either on the plans or specifications?

Sheet 01C-02 indicates the length of high temp HDPE pipe to be installed in the profile view.

5. Where does the 6" HDPE High Temp Force Main go on the project? There is nothing I can find that tells me, either on the plans or the specifications.

Sheets 02C-01, 02C-02, 02C-03 and 02C-04 indicates the length of high temp HDPE pipe to be installed in the profile views.

6. Specification section 40 05 00 – 8 Para "C" Pressure Testing, does this pertain to the Force Main only? Or the Gravity Sewer also?

Force main piping to be pressure tested in accordance with Specification Section 40 05 00 Paragraph 3.8.A. Gravity sewer piping to be tested in accordance with City of Grand Island Standard Specification Division VII – Section 48.

7. At the intersection of East Abbott Drive and North Academy RD, at the Lift Station site, If the Roadway and Intersection are in jeopardy, would this be paid or considered as Incidental to the Lift Station.

The intersection of East Abbott Drive and North Academy Road is indicated to remain open as part of the detour routing. Excavation work associated with the sanitary sewer line is a "subsidiary" cost to the gravity sewer work. Excavation into the intersection for the lift station construction is at the contractor's discretion and is a "subsidiary" cost to the lift station work.

8. Section 40 05 33 2.2 calls out for PE-RT in the high temperature application polyethylene section and lists DR17. We typically see DR11 called out for almost all PE-RT projects. Additionally, Performance Pipe would most likely not be able to make DR17 fittings so may be forced to use DR11. Can you please verify the DR of the PE-RT we should quote?

Clarified in Addendum No. 2.

9. Section 40 05 33 2.3 Standard Non-High Temperature PE calls for PE3408 which is a resin that is no longer commercially available with the advancement of PE4710 which exceeds the material requirements listed. Would PE4710 be allowed instead?

Clarified in Addendum No. 2.

10. Since this is HIGH-TEMP, do you have any special requirements for the gasket materials? Looking specifically at the connection in the ARV manhole from 6" flange adapter to the 6x2 DI tapped blind?

Provide gaskets suitable for 170 DEGF wastewater.

11. Is 480-volt service available for dewatering wells power?

Contractor shall coordinate power for dewatering wells with City Utility. Contact Travis Burdett at (308) 385-546 [travis.burdett@giud.com](mailto:travis.burdett@giud.com).

12. What options are available for HDPE pipe end connections? Butt-fusion is not possible in deep trenches?

HDPE pipe end connections shall be butt-fusion welded or electro-fusion fittings. After award of contract, Contractor may submit alternative methods for review and approval.

13. Do HDPE interior weld beads need to be removed?

Clarified in Addendum No. 2.

14. Where do we go with the groundwater discharge as a result of dewatering?

Attachment C in the construction documents project manual provides possible dewatering discharge routes for the Contractor to consider. Additional routes to offsite locations will be considered by the City for approval. Potential routes to the east and south of the project site do not seem feasible and therefore would most likely not be considered for approval. Discussions are ongoing with the City and County on occupying County ROW to route discharge piping.

15. If a farm is flooded downstream of a dewatering discharge point, who is responsible for the damage?

Historically, flows in Moore and Silver Creeks have been around 200 to 300 cubic feet per second (cfs). The anticipated dewatering flows, based upon feedback from Contractors, is anticipated to be around 17 cfs. This represents an addition of less than 10% of the total overall flow added to the existing flows. Additionally, majority of previous projects in the North and West portion of Grand Island ultimately discharge dewatered flows to these creeks. Ultimately, the Contractor will be responsible for the dewatering operations and how creek levels and flows are monitored. Flooding could occur in farmlands downfield under the right antecedent moisture conditions with a heavy rainfall occurring which could impact the creek. Under this scenario, the City is considering working with the Contractor to stop all dewatering from the project and working with the Contractor to then assess project impacts and damages incurred as a result and negotiate a potential change order based on said impacts and conditions.

16. Has approval been given by farmers in area for routing of discharge pipe?

The farmers impacted by the routes shown in Exhibit C have not been contacted and discussions with the City have not occurred; therefore, no formal permission, agreement, or right-of-entry has been obtained. The City has discussed with the Railroad and the County regarding using each party's right-of-way for dewatering discharge piping. Both parties sound agreeable to this condition.

17. What is the material of the water pipe in the area?

It is anticipated that all water pipe material in the area is ductile iron pipe.

18. Is ConShield required for sanitary manholes?

Manholes shall conform to Division V storm, and sanitary sewers section 26.14 for sulfate resistant concrete specifications as provided on the City of Grand Island standard manhole detail provided within the standard details on the plan sheets.

19. Clarification No. 1: Sanitary sewer service connections to be completed by licensed plumber per City Standards.

20. Clarification No. 2: City providing construction staking and materials testing services.

21. Clarification No. 3: Airport peak travel seasons are March 1 through 31 and November 15 through January 10.

22. Clarification No. 4: The sanitary sewer and force main alignments along Academy Road will be shifted. Updated plan and profile sheets will be issued in a subsequent addendum.

23. Clarification No. 5: Pre-bid meeting Agenda is attached.

Each Bidder must acknowledge receipt of all addenda in the space provided on the Bid Form.

END OF ADDITIONS/CLARIFICATIONS PER ADDENDUM NO. 2

Darren Jack, P.E.  
Project Manager

Keith Kurz, P.E.  
Assistant Public Works Director

Acknowledged by \_\_\_\_\_  
Signature of Bidder

**PRE-BID MEETING AGENDA  
October 1, 2021 at 1:30 pm**

**City of Grand Island, NE  
2017-S-4 Airport Collection System Rehabilitation**

**I. Introductions**

- A. This meeting is intended to disseminate information to the potential bidders. Statements made in this meeting are not binding unless included in the bid documents and/or included in an addendum issued prior to the receipt of bids.

**II. Project Overview**

A. Project Description

- 1. The project includes the installation of approximately 11,300 linear feet of 10-inch sanitary sewer pipe, installation of 9,000 linear feet of force main, construction of new lift station, and abandonment of existing sanitary sewer and two lift stations.

B. Project Constraints

1. General

- a. Existing sanitary sewer system and lift stations need to remain in service until new collection system and force main are operational.
- b. CNRA Training and ID Badge Requirements (01 30 00 paragraph 1.27)
- c. Wetlands (01 30 00 paragraph 1.28).
- d. Railroad crossing.

2. Traffic Control:

- a. Traffic Control Plan
- b. Traffic control sheets 07C-01 and 07C-02.

3. Dewatering:

- a. Dewatering Plan.
- b. Dewatering Permitting.

**III. Bidding Documents, Bid Submission & Selection**

- A. Bidder Checklist
- B. Bid Form
- C. Addendum 1 change the bid date from September 28, 2021 to October 19, 2021.
- D. Insurance requirements
- E. Grand Island Standard Plans and Specifications.
- F. HDR supplemental Plans and Specifications.

**IV. Taxes and Wages**

- A. Project is Tax Exempt – Materials being purchased and incorporated into the work are tax exempt. Purchasing Agent Appointment for and Exempt Sales Certificate will be issued with the contract documents.

**V. Project Schedule**

- A. The Work shall be Substantially Complete on this project on or before April 14, 2023.
- B. All work shall be complete and accepted by May 16, 2023.

## **VI. Permits**

### A. Permits obtained by Owner

1. NDEE construction permit.

### B. Permits obtained by Contractor

1. NPDES Construction Stormwater Permit per the requirements of Nebraska Department of Environment and Energy (NDEE), including CSW-NOI and SWPPP.
2. NPDES Dewatering Permit.
3. All other permits, licenses, and bonds necessary for the prosecution of Contractor's work and/or required for municipal, State and Federal regulations and laws.

## **VII. Questions**