

**NORTH TEXAS MUNICIPAL WATER DISTRICT**  
**BUFFALO CREEK PARALLEL INTERCEPTOR, PHASE 1**  
**PROJECT NUMBER 507-0484-17**

**ADDENDUM NO. 1**  
**October 30, 2020**

**To All Planholders of Record:**

The following revisions are hereby made a part of the Bid Documents, Plans and Specifications for the North Texas Municipal Water District Project for Buffalo Creek Parallel Interceptor Phase 1, as fully and completely as if the same were fully set forth therein.

**PART 1 – CONTRACT DOCUMENTS AND SPECIFICATIONS**

1. Specification 00 01 10 – Table of Contents (Revision triangles shown next to specs below that changed.)
2. Specification 01 29 00 – Payment Procedures (Specification 00 42 23.01 changes made in any bid item descriptions that changed below).
3. Specification 00 42 23.01 – Bid Form Exhibit A (see updated form attached with the following changes)
  - a. Schedule A: Change “A – BUFFALO CREEK INTERCEPTOR – BASE BID RTRP PIPE” to “A – BUFFALO CREEK INTERCEPTOR – BASE BID FRP PIPE”
  - b. Bid Item No. 4A: In the Description of Items Change pipe stiffness from SN 72 to SN 46.
  - c. Bid Item No. 5A: In the Description of Items Change pipe stiffness from SN 72 to SN 46.
  - d. Bid Item No. 5A: Change quantity from 836 LF to 603 LF.
  - e. Bid Item No. 5A-1: New item for, “48 inch Diameter ASTM D3262 SN 46 Fiberglass Sewer Pipe in Steel Casing Pipe (By Open Cut), Complete in Place”. Quantity of 243 LF.
  - f. Bid Item No. 6A: In the Description of Items Change pipe stiffness from SN 72 to SN 46.
  - g. Bid Item No. 6A: Change quantity of from 12,767 LF to 12,939 LF.
  - h. Bid Item 7A: In the Description of Items Change pipe stiffness from SN 72 to SN 46.
  - i. Bid Item No. 7A: Change quantity of from 4,095 LF to 4,105 LF.
  - j. Bid Item 8A: In the Description of Items Change pipe stiffness from SN 72 to SN 46.
  - k. Bid Item No. 8A: Change quantity of from 1,460 LF to 1,264 LF.

- l. Bid Item 5A: In the Description of Items Change pipe stiffness from SN 72 to SN 46.
- m. Bid Item No. 13A: Change quantity of from 38,155 LF to 38,133 LF.
- n. Bid Item No. 14A: Change quantity of from 35 EA to 45 EA.
- o. Bid Item No. 15A: Change quantity of from 13 EA to 25 EA.
- p. Bid Item No. 16A: Change quantity of from 4 EA to 3 EA.
- q. Bid Item No. 17A: Change quantity of from 19 EA to 1 EA.
- r. Bid Item No. 18A: Change quantity of from 9 EA to 5 EA.
- s. Bid Item No. 19A-1: Added item for "6 foot Diameter Type "S" Polymer Concrete Drop Manhole with Vent and Odor Control - Rim to Flow Line  $\leq$  20 Feet, Complete in Place". Quantity of 1 EA.
- t. Bid Item No. 20A: Change description from "8 foot Diameter Type "S" Polymer Concrete Manhole with Vent and Odor Control - Rim to Flow Line  $\leq$  20 Feet, Complete in Place" to "Standard 10 foot Diameter Type "S" Polymer Concrete Manhole - Rim to Flow Line  $\leq$  20 Feet, Complete in Place". Quantity of 1 EA.
- u. Bid Items No. 25A through 46A changed to Bid Items No. 24A through 45A.
- v. Bid Item No. 30A previously, now No. 29A: Change Specification to 32 13 18. Change description from "Furnish and Install pavestone in Low Water Crossings" to "Furnish and Install Low Water Crossings". Change quantity of from 2,778 SY to 5,305 SY.
- w. Bid Item No 34A previously, now No. 33A: Change quantity from 4,026 SY to 5,313 SY.
- x. Schedule A: Note description for figures to change from "Total A – Buffalo Creek Interceptor RTRP Pipe Base BidBase Bid Total (Words and Figures)" to Total A – Buffalo Creek Interceptor FRP Pipe Base Bid Base Bid Total (Words and Figures)".
- y. Bid Item No. 5B: Change quantity of from 120 EA to 93 EA.
- z. Bid Item No. 6B: Change quantity of from 415 VF to 400 VF.
- aa. Bid Item No. 7B: In the Description of Items Change "48"-60" to "49-60"
- bb. Bid Item No. 7B: Change quantity of from 17 VF to 12 VF.
- cc. Bid Item No. 8B: Change quantity of from 800 VF to 764 VF.
- dd. Bid Item No. 9B: Change quantity of from 1,000 VF to 1,019 VF.
- ee. Bid Item No. 11B: Change quantity of from 10 VF to 8 VF.
- ff. Bid Item No. 13B: Change quantity of from 34 VF to 36 VF.
- gg. Schedule C: Note description of Bid Items changed from "Bid Item [4A thru 9A]" to "Bid Item [4A thru 9A, 5A-1]".
- hh. Schedule E: Change "E - (Shall be identical to Bid Items 4A thru 9A)" to "E - (Shall be identical to Bid Items 4A thru 9A, 5A-1)".
- ii. Bid Item No. 5E: In the Description of Items Change pipe stiffness from SN 72 to SN 46.
- jj. Bid Item No. 5E: Change quantity of from 836 LF to 603 LF.
- kk. Bid Item No. 5E-1: New item for, "48 inch Diameter ASTM D3262 SN 72 Fiberglass Sewer Pipe in Steel Casing Pipe (By Open Cut), Complete in Place". Quantity of 243 LF.
- ll. Bid Item No. 6E: In the Description of Items Change pipe stiffness from SN

72 to SN 46.

- mm. Bid Item No. 6E: Change quantity of from 12,767 LF to 12,939 LF.
- nn. Bid Item No. 7E: In the Description of Items Change pipe stiffness from SN 72 to SN 46.
- oo. Bid Item No. 8E: Change quantity of from 4,095 LF to 4,105 LF.
- pp. Bid Item No. 5E: In the Description of Items Change pipe stiffness from SN 72 to SN 46.
- qq. Bid Item No. 8E: Change quantity of from 1,460 LF to 1,264 LF.
- rr. Bid Item No. 9E: In the Description of Items Change pipe stiffness from SN 72 to SN 46.
- ss. Schedule E: Note description for figures to change from “(Bid Items 4E thru 9E)” to “(Bid Items 4E thru 9E, 5E-1)”.
- tt. Bid Item No. 4F: In the Description of Items Change pipe stiffness from PS 115 to PS 46.
- uu. Bid Item No. 5F: In the Description of Items Change pipe stiffness from PS 115 to PS 46. Change quantity of from 836 LF to 603 LF.
- vv. Bid Item No. 5F-1: New item for, “48 inch Diameter ASTM F679 PS 46 PVC Sewer Pipe in Steel Casing Pipe (By Open Cut), Complete in Place”. Quantity of 243 LF.
- ww. Bid Item No. 6F: In the Description of Items Change pipe stiffness from PS 115 to PS 46. Change quantity of from 12,727 LF to 12,939 LF.
- xx. Bid Item No. 7F: In the Description of Items Change pipe stiffness from PS 115 to PS 46. Change quantity of from 4,095 LF to 4,105 LF.
- yy. Bid Item No. 8F: In the Description of Items Change pipe stiffness from PS 115 to PS 46. Change quantity of from 1,460 LF to 1,264 LF.
- zz. Bid Item No. 9F: In the Description of Items Change pipe stiffness from PS 115 to PS 46.
- aaa. Schedule G Note: description of Bid Items changed from “Bid Item [4A thru 9A]” to “Bid Item [4F thru 9F, 5F-1]”.

4. Specification 32 13 18 – Cellular Concrete Mattresses (New specification added to Contract Documents.)
5. Specification 32 13 19 – Grasstone – Turfstone Grid Pavement (Specification deleted from the Contract Documents.)
6. 33 01 30.16 – Closed Circuit Television (CCTV) Inspection (Payment for CCTV inspection changed from linear foot to lump sum.)

## PART 2 – DRAWINGS

1. Refer to attached “List of Drawings” for plan sheets that have been revised and need to be inserted into the original plan set.
  - a. Sheet 2: Sheet Index for Sheet 50 and 70 titles changed.
  - b. Sheet 3: Note 50 added.
  - c. Sheet 4: Sanitary Sewer Note 6 and Golf Course Note 3 revised.
  - d. Sheet 8: Parcel callouts and Parcel 17 property information revised.
  - e. Sheet 9: Parcel 4 property information and sheet title revised.
  - f. Plan & Profile Sheet Changes:
    - i. Note 7 revised.
    - ii. Note 21 added.
    - iii. Legend for low water crossing revised.
    - iv. Low water crossing callouts revised.
    - v. RIM elevations removed.
    - vi. Gate information added.
    - vii. Vent and odor control locations revised.
    - viii. Sheet 15, 22, 35, 36, 47: Bypass pumping note revised.
    - ix. Sheet 18: Approximate Forney ETJ City Limit Line added.
    - x. Sheet 22: Ex. Asphalt road called out, approximate location of unknown sized water line parallel to asphalt road added, removal and replacement of asphalt road added, removal and replacement of dirt road added.
    - xi. Sheet 27 and 28: Manhole on the north side of Kings Road has been moved to the south side of Kings Road. Grade changes.
    - xii. Sheet 33: Vent and odor control manhole added.
    - xiii. Sheets 43 through 45: Parcel numbers revised. Parcel 17 owner revised.
    - xiv. Sheet 44 through 47: Golf course coordination note added.
    - xv. Sheet 45 and 58: Golf Course Maintenance facility sanitary sewer services added.
    - xvi. Sheet 48: Parcel 4 owner revised.
    - xvii. Sheet 50: Splitter manhole and upstream manhole connection alignment and profile revised. Blow up bubble added for clarification.
    - xviii. Sheet 63: “12” MAX.” changed to “12” MIN.”.
    - xix. Sheet 64: Restrained joints removed.
    - xx. Sheet 70: Detail revised, spec reference changed, Low Water Crossing chart added, sheet title revised.
    - xxi. Sheet 72: Detail and notes revised.
    - xxii. Sheet 74: Relabeled gate types.

## **PART 3 – QUESTIONS FROM CIVCAST**

**Question 1:** Are there Specs for this project?

**Answer:** Plan Specs will be uploaded by noon 10/15/2020.

**Question 2:** Can you please post a Excel version of the bid proposal items?

**Answer:** An Excel spreadsheet will be posted on Civcast with this addendum. The spreadsheet will not contain any formulas. Bidders may submit typed or handwritten bids.

**Question 3:** Is there a KMZ file that can be uploaded for this project? Thanks.

**Answer:** A KMZ file has been uploaded to Civcast.

**Question 4:** The rim elevation for the manhole at 417+38.01 is 421.78 however that would appear to put the manhole below the surface. Please verify the rim elevation of the manhole.

**Answer:** Answered in Addendum 1. See sheet 22, general note for revision.

**Question 5:** On sheet 36 there is a tunnel called out from 584+23.00 to 586+93.00 as being 170 LF. Please confirm the length of this tunnel and adjust bid item quantities if changed.

**Answer:** Answered in Addendum 1. See sheet 36 for revision.

**Question 6:** On sheet 40 there is a tunnel from 631+42.00 to 632+96.00 which is 154 LF however it is called out as 144 LF. Please confirm the length of this tunnel and adjust bid item quantities if changed.

**Answer:** Answered in Addendum 1. See sheet 40 for revision.

**Question 7:** On sheets 42 and 43 there are 2 tunnels that are called out as open cut w/ steel encasement in plan view and B.O.T.O.C. in profile view. There is also a 45 LF length that is called out open cut w/ steel encasement in both views. Please clarify if these are to be installed by BOTOC. If open cut casing is required, please provide a pay item for 42" Carrier in Steel Casing by Open Cut.

**Answer:** Answered in Addendum 1. See sheet 42 and 43 for revision.

**Question 8:** The pay item for BOTOC pipe items all say "in Steel Casing Pipe" however details and specifications are provided for tunnel liner plate. Please confirm that BOTOC can be steel casing or tunnel liner plate at all tunnel locations as selected by the contractor.

**Answer:** Both are allowed.

**Question 9:** Manholes at 690+31.91 and 717+30.40 are shown as Type S with vent but are they are only designated as Type S in plan view. Please confirm these are to be Type S with Vent and Odor Control.

**Answer:** All manholes are Type S. See sheets for revised venting and odor control locations and see vent and odor control detail revision.

**Question 10:** The manhole over the existing 36" Line appears to also be counted in the total of item 14. Please confirm total manhole quantity.

**Answer:** Answered in Addendum 1. Quantity is confirmed.

**Question 11:** Please clarify what the fence removal and replacement callout is asking for. They read "remove and replace XX LF of fence and W/2 pipe metal tube gate". Need to know if there are existing gates and are we replacing with 1 gate or 2 gates and the remaining length by matching fence type? The fence details do not show a pipe tube gate.

**Answer:** All gates shall either be type 1, 2, or 3.

**Question 12:** Plan notes state not to stage equipment or store piled materials over the existing gravity interceptor. Please clarify if construction traffic will be permitted over the top of the existing gravity interceptor.

**Answer:** Yes, it is allowed.

**Question 13:** FRP is specified with a pipe stiffness of 72. Can the PVC be specified to have a competitive pipe stiffness of 75? As the specs currently stand, FRP has an unfair price point advantage by permitting less material on their pipe.

**Answer:** Pipe classes are based on recommendations from manufacturers. See Addendum 1 for all changes (specifically embedment detail sheet and bid form). FRP and PVC pipe stiffness has been changed to 46.

**Question 14:** Can you please clarify the joint restraint requirement in casing for F679? The purpose of restrained joints in casing is to permit the ability to remove the pipe in the future, if needed, for replacement. Per the detail, the contractor is also to fill the annular space with grout. The grout requirement would prohibit the removal of the pipe in the future thus making restrained joints obsolete.

**Answer:** Restrained joints will not be required. See encasement detail sheet for revision.

**Question 15:** ASTM F679 for PVC sewer pipe includes a pipe stiffness of 75. Currently PVC is specified on this project as PS115 and will not be price competitive against the lower stiffness composite pipe. Please allow PS75 for the PVC alternate.

**Answer:** Pipe classes are based on recommendations from manufacturers. PVC and FRP will now both be SN 46. See Addendum 1 for all changes (specifically embedment detail sheet and bid form). FRP and PVC pipe stiffness changed to 46.

**Question 16:** We would like to submit Fiberstrong Fiberglass Reinforced Polymer Mortar Pipe as manufactured by Future Pipe Industries to be added as an approved manufacturer for the Buffalo Creek Parallel Interceptor, Phase I. Fiberstrong is manufactured per ASTM D3262 Type 1, Liner 1 and Grade 1 which meets the project specifications. The field connections are made using FRP sleeve couplings using EPDM elastomeric gaskets as the sealing mechanism and meet the joint qualification testing per ASTM D4161. There are currently only 2 manufacturers listed for the FRP pipe. Future Pipe will add a 3rd manufacturer providing North Texas Municipal Water District additional competition for this specialized product. Further, Future Pipe has successfully provided Fiberstrong Fiberglass Reinforced Pipe for North Texas Municipal in 2006 for the Muddy Creek WWTP Expansion Project. Additional product and company information can be submitted if required.

**Answer:** Only two manufacturers will be considered, in accordance with Sections 33 31 13 and 33 31 20.

**Question 17:** Embedment details call for a maximum of 12" of stone to either side of the pipe. This is typically a minimum. The use of a trench box or shield which is required at this depth would leave little to no room between the pipe and shield. Please clarify why a max of 12" has been specified.

**Answer:** Answered in Addendum 1. These details are based on recommendations from manufacturers. See embedment sheet for revision (changed to 12" minimum).

**Question 18:** Will damages to irrigation pipe and/or storm drainage damage at golf course be paid from the allowance?

**Answer:** Yes.

**Question 19:** A third party broker is asking for permission to import FRP pipe likely from Indonesia or the Middle East. You have multiple US manufacturers of PVC pipe and FRP pipe providing ample competition and comply with the Buy American requirements of projects utilizing federal funding, meet or exceed US EPA, OSHA, Medical insurance requirements and Davis Bacon pay rates. Please help protect American workers and American jobs.

**Answer:** No response.

**Question 20:** Note 1 on the sanitary sewer in steel casing detail on sheet 64 states that all FRP in steel casing shall be SN46. All of the bid items are for SN72. Please correct this note to show that SN72 is used in tunnels per the bid items.

**Answer:** Pipe classes are based on recommendations from manufacturers. PVC and FRP will now both be SN 46. See Addendum 1 for all changes (specifically encasement detail sheet and bid form).

**Question 21:** Question number 20 addresses FRP pipe grouted in place inside steel casing. The design calculations show that SN46 pipe exceeds the design (loading) requirements recommended by AWWA's M45 design guide as well as reduce the cost to NTMWD of supplying a stiffer pipe where it is not needed (one of the many benefits of reinforced plastic pipe). We request that the plans, specifications remain unchanged on this issue.

**Answer:** See question 20 response.

**The Contractor shall acknowledge receipt of this Addendum No. 1 on the face of the sealed envelope in which he submits his bid and by signing this addendum and attaching it to his bid proposal.**

**NOTE: NTMWD will NOT OPEN or CONSIDER any bids that do not acknowledge receipt of this addendum on the EXTERIOR of the BID ENVELOPE.**

END OF ADDENDUM NO. 1

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY KENNETH A. ROBERTS, P.E. 55446 ON OCTOBER 30, 2020



Kenneth A. Roberts, PE  
Name

Huitt-Zollars, Inc., Firm Reg. No. F-761  
1717 McKinney Ave., Suite 1400  
Dallas, TX 75202  
214-871-3311

October 30, 2020  
Date

BIDDER'S ACKNOWLEDGEMENT OF RECEIPT OF ADDENDUM:

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date