Jones & Henry Engineers, Ltd.

Northwestern Water & Sewer District
Willowbend Pump Station Improvements

ADDENDUM 6

October 8, 2021

Planholders of the Northwestern Water & Sewer District, Willowbend Pump Station Improvements are hereby notified of the following amendments to the Contract Documents. This Addendum is hereby made a part of the Contract Documents.

BID FORM

Replace Section C-410 with the attached Bid Form that includes the new Bid Items related to the force main pigging manhole as discussed herein.

CONTRACT AGREEMENT

Section C-520, 4.02, A

Replace Paragraph 4.02 A with the following Paragraph 4.02 A in its entirety:

"4.02 Contract Times: Days

A. The Work will be substantially completed within 340 days after the date when the Contract Times commence to run as provided in Paragraph 4.01 of the General Conditions, and completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions within 400 days after the date when the Contract Times commence to run.:"

SPECIFICATIONS

Section 01010, 8.03

Add the following Paragraph E:

"E. Item 8e – Force Main Pigging Manhole."

Section 01010, 8.04

Add the following Paragraph C:

"C. The quantity to be paid under Item 8e shall be lump sum for the force main pigging manhole as shown on the Drawings."

Section 01010

Add the Following:

"ITEM 17
PIPELINE TELEVISING

17.01 DESCRIPTION

A. Under this Item, the Contractor shall perform the specified television Inspection of 12-inch pipeline.

B. The mobilization of the pipe television equipment to the project sites (both sides of the River if required) shall be included in this Item.

C. The furnishing and installing any plugs required to control flow during television inspection paid for under these Items.

17.02 WORK NOT INCLUDED

A. The cleaning of the pipeline including the removal and disposal of debris removed from the pipeline shall be included under the provided Allowance Item.

17.03 DEFINITION OF ITEM

A. Item 17 - 12-inch Pipeline Televising.

17.04 MEASUREMENT & PAYMENT

A. The quantity to be paid under Items 17 shall be full compensation for each linear foot of pipeline televised. The footage shall be measured using the contractor's television equipment reel."

Section 01021

Replace Specification Section 01021 with the attached Section.

Section 01043, 4.02, B, 7, ii, 1, a

Revise Paragraph a to read:

"a. The highpoint is believed to be 635 (same datum as design plans). Air release valves exist at intermediate high points. However there functionality is unknown."

Section 02110, 4.08

Add the following Paragraph E:

"E. The Contractor shall notify the Owner of the spoil sites used for debris disposal. The Contractor shall provide a delivery receipt from the receiver of spoils disposed."

Section 02557

Add the following Section 4.05

"4.05 CONNECTIONS TO EXISTING FORCE MAINS

A. The Owner will consider proposals to substitute gate valves at connections to existing force mains with inserting valves during the work.

B. Specifications for inserting valves will be provided by the Owner if needed for the work."

Section 16440, 4.01, Automatic Transfer Switch Schedule

Revise the Continuous Amps Rating to "100% Rated."

DRAWINGS

Sheet G-4, General Summary

Add the following Line items:

ITEM NO.	PLAN QUANTITY	CONTINGENCY QUANTITY	GRAND TOTAL	UNIT	DESCRIPTION	FM 1.5 – FM 1.7	FM 3.1
8e	1	0	1	LS	Force Main Pigging Manhole	0	1
17	700	0	700	LF	12-inch Pipeline Cleaning	700	0

Sheet E-3, Single Line Diagram, Feeder Schedule

Revise Item 1 to read 1 ½" C, 4 I/O & 1#6 GND

Sheet E-5, Pole Base Detail

Add dimensions to the concrete pole base detail to show a minimum of 5-feet of pole below grade and 30-inches above grade.

QUESTIONS

The following questions were submitted to the Engineer during the bid period. The answers provided below are for the clarification of the submitted Bidders' questions.

Question #1: On Sheet E-2 in the Drawings, are all existing electrical components hashed being demoed?

This statement is correct.

Question #2: Sheet E-2 refers to a one line on E-3 for service. The one line shows 200 amp service disconnects with a conduit from pole riser, does this needs to be 3" per power company standards?

We are working with Toledo Edison to determine if any changes to the plans need to be made. If changes are required, this information will be transmitted via a future addendum.

Question #3: The conduit from the riser pole feeds NF 200 amp disconnect before the power company revenue meter then into an ATS. Does that ATS need to be service rated with overcurrent protection and a solid neutral?

The ATS is service entrance rated with overcurrent protection per Specification 16440. See Addendum 6 for the overcurrent rating. If the utility transformer has a wye connected secondary, then we will have to bring a neutral into the ATS which will require an additional wire to the transfer switch from the utility (See Addendum 6 for additional wire). We will not need a neutral from the transfer switch to DP-PS as there are no 277V loads in the pump station.

Question #4: Sheet E-2 refers to a one line on E-3 for service. On Sheet E-4, the location of the ATS is not indicated. Is it outside or inside? If it is inside, do we need to have overcurrent device immediately after the meter?

The ATS is inside but is mislabeled as DP-PS. DP-PS is on the pump station west wall next to the pump control panel. There is an overcurrent device in the transfer switch which is immediately after the meter. See response to Question #2.

Question #5: Have the Drawings been approved by the building authority? Is a panel directory of the 480 volt DP-PS necessary?

Plans have been submitted to the Wood County Building Inspection for review. The single line diagram is assumed to be adequate as a panel directory.

Question #6: What depth do you want Type C pole? 5' in 2' out of ground?

See Addendum 6.

Question #7: Will the Substantial Completion date be adjusted to accommodate the current 40-week lead time for the generator?

See Addendum 6 for changes in the project completion schedule.

Attachments: Revised C-410 Bid Form

Specification Section 01021

RECEIPT OF THIS ADDENDUM MUST BE ACKNOWLEDGED ON PAGE C-410 - 1 OF THE BID.

BID FORM

NORTHWESTERN WATER & SEWER DISTRICT

WILLOWBEND PUMP STATION IMPROVEMENTS

ARTICLE 1 – BID RECIPIENT

1.01 This Bid is submitted to:

Northwestern Water & Sewer District

12560 Middleton Pike

Bowling Green, Ohio 43402

1.02 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with Owner in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

ARTICLE 2 – BIDDER'S ACKNOWLEDGEMENTS

2.01 Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. This Bid will remain subject to acceptance for 90 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of Owner.

ARTICLE 3 – BIDDER'S REPRESENTATIONS

3.01 In submitting this Bid, Bidder represents that:

A. Bidder has examined and carefully studied the Bidding Documents, and any data and reference items identified in the Bidding Documents, and hereby acknowledges receipt of the following Addenda:

Addendum No.	Addendum, Date
_____	_____
_____	_____
_____	_____
_____	_____

B. Bidder has visited the Site, conducted a thorough, alert visual examination of the Site and adjacent areas, and become familiar with and satisfied itself as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work.

C. Bidder is familiar with and has satisfied itself as to all Laws and Regulations that may affect cost, progress, and performance of the Work.

D. Bidder has carefully studied all: (1) reports of explorations and tests of subsurface conditions at or adjacent to the Site and all drawings of physical conditions relating to existing surface or subsurface structures at the Site that have been identified in the Supplementary Conditions, especially with respect to Technical Data in such reports and drawings, and (2) reports and drawings relating to Hazardous Environmental Conditions, if any, at or adjacent to the Site that have been identified in the Supplementary Conditions, especially with respect to Technical Data in such reports and drawings.

E. Bidder has considered the information known to Bidder itself; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Bidding Documents; and any Site-related reports and drawings identified in the Bidding Documents, with respect to the effect of such information, observations, and documents on (1) the cost, progress, and performance of the Work; (2) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder; and (3) Bidder's safety precautions and programs.

F. Bidder agrees, based on the information and observations referred to in the preceding paragraph, that no further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of this Bid for performance of the Work at the price bid and within the times required, and in accordance with the other terms and conditions of the Bidding Documents.

G. Bidder is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents.

H. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents and confirms that the written resolution thereof by Engineer is acceptable to Bidder.

I. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance and furnishing of the Work.

J. The submission of this Bid constitutes an incontrovertible representation by Bidder that Bidder has complied with every requirement of this Article, and that without exception the Bid and all prices in the Bid are premised upon performing and furnishing the Work required by the Bidding Documents.

ARTICLE 4 – BIDDER'S CERTIFICATION

4.01 Bidder certifies that:

A. This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any collusive agreement or rules of any group, association, organization, or corporation;

B. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid;

C. Bidder has not solicited or induced any individual or entity to refrain from bidding; and

D. Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Paragraph 4.01.D:

1. "corrupt practice" means the offering, giving, receiving, or soliciting of anything of value likely to influence the action of a public official in the bidding process;
2. "fraudulent practice" means an intentional misrepresentation of facts made (a) to influence the bidding process to the detriment of Owner, (b) to establish bid prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition;
3. "collusive practice" means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish bid prices at artificial, non-competitive levels; and
4. "coercive practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the e execution of the Contract.

ARTICLE 5 – BASIS OF BID

5.01 Bidder will complete the Work in accordance with the Contract Documents for unit prices indicated on the following price(s):

UNIT PRICE BID

Bidder acknowledges that (1) each Bid Unit Price includes an amount considered by Bidder to be adequate to cover Contractor's overhead and profit for each separately identified item, and (2) estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all unit price Bid items will be based on actual quantities, determined as provided in the Contract Documents.

Item No.	Description	Estimated Amount	Unit	Unit Cost in Numbers		Unit Price in Words	Total Estimated Cost of Item	
1	Mobilization and Demobilization	1	LS					
2	Bypass Pumping	14	WK					
3	Storm Water Pollution Prevention	1	LS					
4	Trench Rock Excavation (6-inches to 5-feet in depth)	1,625	LF					
5a	Willowbend Pump Station and Wet Well Demolition and Abandonment	1	LS					
5b	Willowbend Pump Station Wet Well, Controls Building, Site Improvements, Appurtenances and Accessories	1	LS					
6a	4-inch Drain, Type C	36	LF					
6b	8-inch Culvert, Type B	70	LF					
6c	12-inch Driveway Culvert, Type B	40	LF					
6d	10-inch Sanitary Sewer, Type B	10	LF					

Item No.	Description	Estimated Amount	Unit	Unit Cost in Numbers		Unit Price in Words	Total Estimated Cost of Item	
6e	15-inch Sanitary Sewer, Type B	45	LF					
6f	24-inch Culvert, Type B	35	LF					
6g	30-inch Culvert, Type B	35	LF					
6h	36-inch Culvert, Type B	45	LF					
6i	12-inch Sewer Removed	65	LF					
7a	8-inch Force Main, Type B	222	LF					
7b	10-inch Force Main, Type B	5	LF					
7c	12-inch Force Main, Type B	65	LF					
7d	12-inch Force Main, Type C	1,900	LF					
7e	12-inch Force Main, Trenchless	510	LF					
7f	20-inch Force Main, Type B	30	LF					
7g	20-inch Force Main, Type C	1,160	LF					
7h	Connection to Exiting Force Main	7	EA					

Item No.	Description	Estimated Amount	Unit	Unit Cost in Numbers		Unit Price in Words	Total Estimated Cost of Item	
7i	Manhole 4327 Modifications	1	EA					
7j	12-inch Connection to Existing Pipeline	2	EA					
7k	Force Main Termination and Abandonment, All Sizes	2	EA					
7l	Force Main Plugged	3	EA					
8a	Type I Sanitary Sewer Manhole	8	VLF					
8b	Type II Sanitary Sewer Manhole	15	VLF					
8c	Flow Meter Manhole	1	LS					
8d	Flow Meter / Bypass Manhole Conversion	1	LS					
8e	Force Main Pigging Manhole	1	LS					
9a	8-inch Gate Valve and Box	6	EA					
9b	8-inch Tapping Sleeve, Valve and Box	1	EA					
9c	10-inch Gate Valve and Box	2	EA					
9d	12-inch Gate Valve and Manhole	1	EA					

Item No.	Description	Estimated Amount	Unit	Unit Cost in Numbers		Unit Price in Words	Total Estimated Cost of Item	
9e	12-inch Gate Valve and Box	1	EA					
9f	12-inch Air Release Valve and Manhole	2	EA					
9g	20-inch Air Release Valve and Manhole	2	EA					
10a	ODOT Item 202 Pavement and Base Removed	330	SY					
10b	ODOT Item 254 Pavement Planing	110	SY					
11a	ODOT Item 203 Excavation	230	CY					
11b	ODOT Item 203 Embankment	310	CY					
11c	Access Roadway Repairs	800	SY					
11d	Access Roadway	1,340	SY					
11e	Temporary Access Roadway	1,740	SY					
11f	Asphalt Roadway Repairs - Full Depth	330	SY					
11g	Asphalt Roadway Repairs - Resurfacing	110	SY					
11h	Subgrade Support Material	1,340	SY					

Item No.	Description	Estimated Amount	Unit	Unit Cost in Numbers		Unit Price in Words	Total Estimated Cost of Item	
11i	ODOT Item 304 - Backfill for Unsuitable Materials Removed	100	CY					
12	Video Recording of the Zone of Influence	1	LS					
13	Maintenance of Traffic	1	LS					
14	Tree Removal, Clearing and Grubbing	1	LS					
15	Sheet Piling Retaining Wall	110	LF					
16	Dump Rock Fill, Type D	100	CY					
17	12-inch Pipeline Televising	700	LF					
ALLOW	Telemetry Equipment and Programming	1	ALLOW	$13,500	00	Thirteen Thousand Five Hundred Dollars and 00/100	$13,500	00
ALLOW	Cleaning 12-inch Steel Pipeline	700	ALLOW	$10,000	00	Ten Thousand Dollars and 00/100	$10,000	00
Total Bid (Including Allowances):								

ARTICLE 6 – TIME OF COMPLETION

6.01 Bidder agrees that the Work will be substantially complete and will be completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions on or before the dates or within the number of calendar days indicated in the Agreement.

6.02 Bidder accepts the provisions of the Agreement as to liquidated damages.

ARTICLE 7 – ATTACHMENTS TO THIS BID

7.01 The following documents are submitted with and made a condition of this Bid:

A. Required Bid security;

B. Evidence of authority to do business in the state of the Project;

C. Required Bidder Qualification Statement with supporting data.

ARTICLE 8 – DEFINED TERMS

8.01 The terms used in this Bid with initial capital letters have the meanings stated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

ARTICLE 9 – BID SUBMITTAL

BIDDER: *[Indicate correct name of bidding entity]*

_____

By:
[Signature] _____

[Printed name] _____
(If Bidder is a corporation, a limited liability company, a partnership, or a joint venture, attach evidence of authority to sign.)

Attest:
[Signature] _____

[Printed name] _____

Title: _____

Submittal Date: _____

Address for giving notices:

_____

_____

_____

_____

Telephone Number: _____

Email Address: _____

Contact Name: _____

_____

Bidder's License No.: _____
(where applicable)

PERSONAL PROPERTY TAX AFFIDAVIT

STATE OF OHIO)
)ss.
COUNTY OF _____)

_____, being first duly sworn, deposes and says as follows: answering whichever is applicable by placing an "X" before items 1 or 2.

1. ( ) We are not charged with any delinquent personal property taxes on the general tax list of personal property in _____ County, Ohio.

2. ( ) We are charged with delinquent personal property taxes on the general tax list of _____County, Ohio including unpaid penalties and interest in the amount of $_____.

_____
Bidder

By: _____

Title: _____

Sworn and subscribed before me this _____ day of _____ 20 _____.

_____
Notary Public in and for

_____ State

My Commission Expires:

_____ 20_____

SECTION 01021
ALLOWANCES

PART 1 GENERAL

1.01 SCOPE

A. This Section includes the allowances which are to be furnished by the Contractor per Paragraph GC-13.02. of the General Conditions.

B. The Contractor shall include in the Contract Price all allowances stated in the Contract Documents. These allowances shall cover the net cost of the materials and equipment delivered and unloaded at the Site, and all applicable taxes.

C. The Contractor's handling costs on the Site, labor installation costs, overhead, profit and other expenses contemplated for the original allowance shall be included in the Contract Price and not in the allowance.

D. The Contractor shall cause the Work covered by these allowances to be performed for such amounts and by such persons as the Engineer may direct, but he will not be required to employ persons against whom he makes a reasonable objection.

E. If the cost, when determined, is more than or less than the allowance, the Contract Price shall be adjusted accordingly by Change Order.

1.02 SUBMITTALS

A. Submittals shall be in accordance with the requirements of Section 01300 and shall include:

1. Shop Drawings for Review:

   a. Contractor shall prepare and submit proposals for the Owner to select the items included in allowance.

2. Information for the Record:

   a. Operation and maintenance manuals as may be required for items included in allowance.

   b. Invoices and delivery slips, for items provided under the allowance, shall be submitted to the resident project representative or Engineer.

1.03 PRODUCT HANDLING

A. The Contractor shall provide all labor, material and equipment to ensure the safe delivery, handling and storage of goods until acceptance by Owner and Engineer.

1.04 GUARANTEE

A. Contractor shall provide manufacturer's warranties to the Owner for all goods provided.

PART 2 PRODUCTS

Not used.

PART 3 EXECUTION

3.01 COORDINATION

A. Contractor shall advise Owner and Engineer of, and include in the schedule, the timing of the selection, Shop Drawing review and procurement of the goods or services required in the allowance.

B. Contractor shall be responsible for the coordination, of all allowance item(s) provided, with the remainder of the contract work.

3.02 ERECTION, INSTALLATION AND APPLICATION

A. Contractor shall assemble, install or apply all goods as may be required to complete the requirements of the allowance.

3.03 PROTECTION

A. Contractor shall examine all goods on delivery. All damaged or defective goods shall be returned to the manufacturer for replacement.

PART 4 SPECIAL PROVISIONS

4.01 LIST OF ALLOWANCES

		Allowance Amount
A.	Telemetry Equipment and Programming	$13,500.00
B.	Cleaning 12-inch Steel Pipeline	$10,000.00

4.02 DEFINITION OF ALLOWANCE

A. Telemetry Equipment and Programming:

1. This Item is intended to permit District's communications consultant to provide required programming to interface alarm and status signals into the District's SCADA system.
2. A copy of the proposal received from the District's communications consultant, WD Automation, is included following this specification section.
3. WD Automation's scope of work includes the following:

a. Provision of a new telemetry cabinet and antenna.

b. Termination of signal wires into the telemetry cabinet

c. Installation and provision of signal wires from the telemetry cabinet to the antenna unit.

d. Programming the existing PLC to incorporate new signals, alarms and equipment status or data ranges for the new pump station.

e. Programming of the District's Operations Facility as needed to accept signals, alarms and equipment status or data ranges.

4. Signal Information:

a. The following signals shall be transmitted to the Northwestern Water & Sewer District Master Telemetry Unit (MTU).

1) Wet Well High-Level Alarm

2) Wet Well Low-Level Alarm

3) Backup Level System Active

4) Pump 1 Running Status

5) Pump 2 Running Status

6) Pump 1 VFD Fault

7) Pump 2 VFD Fault

8) Pump 1 – In Auto

9) Pump 2 – In Auto

10) Pump 1 Trouble – Thermal / Moisture

11) Pump 2 Trouble – Thermal / Moisture

12) Phase Failure

13) Power Failure

14) Backup Generator Active

15) Backup Generator Fault

16) Transfer Switch Fault

17) Entry Alarm

18) Flow Meter Reading (gpm) – Analog

19) Wet Well Level (ft) – Analog (Transducer by Contractor)

5. An invoice from WD Automation will be required to be submitted to substantiate payment amounts claimed under this allowance item.

B. Cleaning 12-inch Steel Pipeline

1. This Item is intended to reimburse the Contractor for the removal and disposal of any debris discovered in the existing 12-inch steel pipeline between Sta 24+50 and Sta. 32+00 through CCTV inspection.
2. The cleaning work is to be performed in accordance with Specification Section 02110, 4.08.
3. The television work shall be performed in accordance with Specification 01810.
4. Permissible costs to be reimbursed for this item will include:
    a. The removal of debris discovered in the 12-inch pipeline.
    b. Costs for hauling and disposal of debris.
    c. Cost for any testing required to dispose of debris.
5. Work included under Bid Items shall not be included for reimbursement under this Allowance Item.
6. An invoice from the sewer cleaning Contractor will be required to be submitted to substantiate payment amounts claimed under this allowance item.