

**VILLAGE OF BUFFALO GROVE
CHATHAM LIFT STATION RECONSTRUCTION**

**Addendum No. 1
Issued February 21, 2020**

Need for Addendum:

- I. DISPOSITION OF BIDDERS QUESTIONS:** To clarify questions submitted to the Village by prospective bidders during the pre-bid meeting and by correspondence.
- II. CLARIFICATIONS TO BID DOCUMENTS:** To clarify details of the bid documents revised after original publication.
- III. TRANSMITTAL OF PRE-BID MINUTES:** A copy of the agenda (with meeting notes) and attendees of the pre-bid meeting have been provided for bidder information as **Appendix A**.

Additional Instructions to Bidders: This addendum must be included with a bid. A signature at the bottom of this form by the bidder is required to be included with a bid.

The bid date and time shall remain the same as advertised.

Company

Print Name

Signature

Title

Date

This Addendum revises the Contract Documents where noted. This Addendum **DOES NOT** result in a change to the Schedule of Prices.

The disposition of plan-holder questions and clarifications to the bid documents have been broken down in terms of Specification Section.

I. DISPOSITION OF PLANHOLDER QUESTIONS:

00 70 00 – Owner’s Standard General Conditions of the Construction Contract

1. Can we use the fire hydrant across the street to fill up the wet well during the startup?

No. Refer to Part 2.13 of 00 70 00. Startup will typically utilize sanitary flow from the receiving basin.

01 50 00 – Temporary Facilities and Controls

1. Can we use the generator to test the pumps and controls?

The true startup of the system will utilize the new ComEd service to the station. Start-up testing will utilize the generator to test a power failure scenario only and should not be relied upon as the sole means of power for startup.

01 51 00 – Temporary Bypass Pumping Systems

1. How much can we surcharge the system?

Refer to Part 1.02.A of Section 01 51 00 and Note 2 of the Live Sewer Protocol Notes on Sheet 5 of the plans.

01 60 00 – Material and Equipment

1. At the pre-bid meeting, it was mentioned the Village might be able to provide some additional space for stockpiling. Do you have any idea how large of an area we could get? Will restoration be incidental to this stockpiling area?

The additional stockpile area will be coordinated with the Park District around the time of the pre-construction meeting. The anticipated location is north of the site. Stockpile area shall be for materials and equipment. Stockpile of surplus excavated material for the structures shall not remain on site. All restoration shall be included in the bid price for Topsoil, Seeding, and Mulch. No additional costs will be considered for restoration for the additional stockpiling area.

02 06 14 – Geotechnical Data Report

- 1. The soil boring provided for the project appears to be within the over dig of the existing lift station and I'm not sure that it will be consistent with the soils at the proposed wet well location. Dose the Village possibly have any old soils information from when the existing station was built? Any old specs with soil borings? As-Builts Etc.? I'm extremely concerned because the boring provided is showing a high-water table that stays after the boring was taken and also is showing it to be all granular material. If the area was backfilled with CA-7 this will end up creating an extremely large area of excavation because as you know CA-7 will not hold up and will continue to fall into our excavation as we progress deeper and deeper. If the Village dos not have any additional soils information for the area, would they consider performing an additional soil boring to gather more information for the contractors, if not, would they allow the contractor to perform a soil boring?*

Record drawings specify excavation backfill as follows:

“Excavated area shall be back-filled with FA-6 material (Standard Spec. for Road & Bridge, Ill. Dept. of Transp.) & compacted with “Vibratory Plate” in 8” maximum thickness lifts. The backfill shall be topped with 2 feet of low permeability clay.”

Bearing of 3,000 psf begins at an elevation of 656.88. Bottom of base course is located at 655.63.

As discussed at the Pre-Bid meeting, Contractors may perform and additional soil boring after clearing JULIE and at their own cost.

02 41 00 – Demolition

- 1. Is the sanitary valve vault to be removed just a normal 60” structure? Please note this structure has conflicting elevations of 10’ and 25’.*

Sanitary valve vault 1247 measures 10.1’ from the rim to top of the 14” force main. The distance to the bottom of the structure is estimated at 12.5’. The additional invert callouts of 663.72 (S) and 663.82 (W) were labeled in error and shall be deleted.

03 00 00 – Concrete Work

- 1. There is a discrepancy with the valve vault depth when comparing Plan Sheet 5 and the profile on Plan Sheet 10. Which is correct?*

Valve vault dimensions shall be based on Sheet 5 and the Structural Detail on the left half of Sheet 10. The force main profile on Sheet 10 is provided to show the detail of the connection fittings between the valve / meter / bypass vault and the force main, show clearances of known utilities, and to show the top of pipe elevation of the existing force main at the connection.

22 13 29 – Submersible Solids Handling Pumps and Appurtenances

1. *Sheet 7 of the plans shows the pumps as 27HP. Page 22 13 29-8 says 47 HP.*

Part 2.7.G incorrectly lists pumps as 47 hp. Pump size shall be 27 hp as shown elsewhere in the plans and specifications.

2. *Item 2.2.H: Sulzer pumps utilize a single guide rail system so please change to a “minimum of 1 guide rail”*

The words “2 guide rails” shall be replaced with “1 guide rail” in Part 2.2.H of Section 22 13 19.

3. *Item 2.3.F.1: The model XFP 155J-CB2 utilizes a 2-vane impeller. Please change to “two vane”.*

The words “single vain” shall be replaced with “two vane (or approved equal)” in Part 2.3.F.1 of Section 22 13 19.

4. *Item 2.3.J: Sulzer pumps utilizes an electrical probe for the seal warning system. Please change to Electrical probe. See attached portion of the pump spec.*

Delete 2.3.J of Section 22 13 29 in its entirety and replace with the following:

“Moisture Protection: An electrical probe shall be provided in a sensing chamber positioned above the mechanical seals for detecting the presence of water contamination within the chamber. Alternate moisture protection technology shall be approved by the Engineer.”

5. *Will the pumps have a junction box at the wet well or will it terminate at the control panel.*

No. The pumps will terminate at the control panel as shown on the plans.

22 01 10 – Force Main Video Inspection

1. *Can you provide limits of the force main to be televised? Are we to televise the entire force main, if so, how long is the existing force main? Where does the force main*

terminate? Any additional information will be helpful to provide a true cost to perform this work.

The force main shall be televised from the point of the new connection to the outfall manhole located at the northwest corner of Dundee Road and Weidner Road. The outfall manhole is located in the sidewalk. The force main length is estimated at 862 feet and runs along the west side of Weidner Road after crossing at the lift station site. The record drawings do not indicate any vertical fittings along the profile.

31 23 16 – Earth Excavation, Backfill, Fill and Grading

- 1. The plans call out for CA-6 bedding under the structures. I highly recommend CA-7 bedding for the structures this deep.*

The project shall be bid as shown on the bid documents.

31 23 19 – Dewatering

- 1. Where can we pump the water coming from our dewatering wells? It will be filtered through a large dandy bag.*

Dewatering shall be filtered as described in Section 31 23 19. Discharge of filtered water shall be determined during construction. Anticipated discharge points include the park area north of the site if agreed upon by the Park District, or the inlet structures along the site frontage.

- 2. For the dewatering, we will be using 2 to 3 watering wells. Can we discharge the water via filter bag into the grass area of the park?*

See response to question 1.

33 09 30 – Wastewater Pumping Control System

- 1. Sheet 5 of the plans, note 22 says 10” magmeter. Page 33 09 30-13 says 6” magmeter.*

The magmeter shall be 10” as shown on the plans. The words “6-inch” shall be replaced with “10-inch” in Part 2.01.F.3.a of Section 33 09 30.

- 2. Sheet 7 of the plans shows the electrical service as 277/480 volts, 4-wire, 3 phase, 60 Hz. Page 33 09 30-4 says 120V/240 volts, 4-wire, 3 phase, 60 Hz.*

References to utility power as 120V/240 volts, 4-wire, 3 phase, 60 Hz shall be revised to 277/480 volts, 4-wire, 3 phase, 60 Hz as shown elsewhere in the plans and specifications.

3. *Who is responsible for SCADA integration?*

Refer to 2.01.E.1. Integration of pump station local controls shall be by the Village's system integrator under a separate contract.

II. CLARIFICATIONS TO BID DOCUMENTS

02 41 00 – Demolition

1. Sanitary valve vault 1247 measures 10.1' from the rim to top of the 14" force main. The distance to the bottom of the structure is estimated at 12.5'. The additional invert callouts of 663.72 (S) and 663.82 (W) were labeled in error and shall be deleted.

22 13 29 – Submersible Solids Handling Pumps and Appurtenances

1. "47 hp" shall be replaced with "27 hp" under Part 2.7.G.
2. The words "2 guide rails" shall be replaced with "1 guide rail" in Part 2.2.H.
3. The words "single vain" shall be replaced with "two vane (or approved equal)" in Part 2.3.F.1.
4. Delete 2.3.J of Section 22 13 29 in its entirety and replace with the following:

"Moisture Protection: An electrical probe shall be provided in a sensing chamber positioned above the mechanical seals for detecting the presence of water contamination within the chamber. Alternate moisture protection technology shall be approved by the Engineer."

33 09 30 – Wastewater Pumping Control System

1. The magmeter shall be 10" as shown on the plans. The words "6-inch" shall be replaced with "10-inch" in Part 2.01.F.3.a.
2. The words "120V/240 volts" shall be replaced with "277/480 volts" in Part 1.04.A.3.a.

APPENDIX A

PRE-BID MEETING DISCUSSION AND SIGN IN SHEET

PRE-BID MEETING AGENDA

CHATHAM LIFT STATION RECONSTRUCTION VILLAGE OF BUFFALO GROVE February 19, 2020 - 10:00 AM

1. **Introductions**
2. **Purpose of Meeting**
 - a. Review the scope of the project
 - b. Field questions
 - c. Site visit if needed
3. **Schedule**
 - a. Deadline for questions will be 5:00 p.m. on Thursday, February 20th.
 - Email to lmattson@ciorba.com
 - b. Any Addendums will be circulated on Friday, February 21st.
 - c. Bid Opening - 11:00 A.M. Thursday, February 27th, 2020.
 - d. Board Approval - March 16th, 2020 (Target).
 - e. Notice to Proceed - March 30th, 2020 (Target).
 - f. Contract Length = 220 (Substantial) / 235 (Final)
 - g. Substantial Completion - November 5th, 2020 (Target)
 - h. Final Completion - November 20th, 2020 (Target)
4. **Returnable Bid Documents**
 - a. One (1) original
 - Bid Security 5%
 - Full Contract Document, Bid Security, All Addenda
 - b. One (1) copy of the following sections
 - Cover, TOC, first 6 sections of Division 0 up to the Non-Collusion Affidavit, Bid Security, All Addenda
5. **Overview of Project**
 - a. Demolition
 - Strip, abandon, fill existing dry well; Access shaft removal.
 - Existing wet well modifications; Convert to flow through manhole.
 - Generator / ATS removal.
 - Pavement, curb and gutter, sidewalk, force main removal.
 - b. Lift Station
 - New 8' Duplex submersible wet well: 1310 GPM @ 35 TDH
 - Roof and hatch; discharge piping.
 - Temporary Soil Retention.
 - c. Valve / Meter / Bypass Vault
 - Valve Vault: ± 13' x 9.5' x 13' concrete vault with piping / valves / meter.
 - Access hatches, sump pump, lighting.
 - d. Electrical and Controls
 - New ComEd electric service.
 - Factory assembled, wired and tested Pump Control System.
 - Surface mounted traffic box enclosure on new concrete pad.
 - Associated cable, conduit, wiring devices, and fixtures.
 - e. Generator
 - 150 kW Diesel Generator, 277/480, 4-wire, 60 hertz.
 - Automatic Transfer Switch.

- New concrete pad.
- f. Sewer
 - DIP sanitary sewer.
 - 8" site storm sewer replacement.
- g. Force Main
 - 14" reconnection.
 - CCTV video inspection. 862 feet with outfall manhole at northwest corner of Dundee and Weidner Road.
- h. Traffic Control, Material Storage, Temporary Facilities
 - Sidewalk and lane closures per IDOT details.
 - Material storage, adjacent Park District property may be available.
 - Bypass pumping: Dry weather in pipe storage of 4 hours on dry sequential dry weather days.
 - Utilize existing lift station during construction.

6. Clarifications

- a. Pumps - Specification 22 13 29
 - Part 2.7.G incorrectly lists pumps as 47 hp. Pump size shall be 27 hp as shown elsewhere in the plans and specifications.
- b. Control Panel - Specification 33 09 30
 - References to utility power as 120V/240 volts, 4-wire, 3 phase, 60 Hz shall be revised to 277/480 volts, 4-wire, 3 phase, 60 Hz as shown elsewhere in the plans and specifications.
 - Page 13 calls for a 6" magmeter. Size shall be 10" as shown on Sheet 5 of the plans.
- c. Geotechnical
 - Record drawings specify excavation backfill as follows:
"Excavated area shall be back-filled with FA-6 material (Standard Spec. for Road & Bridge, Ill. Dept. of Transp.) & compacted with "Vibratory Plate" in 8" maximum thickness lifts. The backfill shall be topped with 2 feet of low permeability clay."
 - Bearing of 3,000 psf begins at an elevation of 656.88. Bottom of base course is located at 655.63.

7. Open Discussion

Chatham Lift Station Reconstruction
 Pre-Bid Meeting
 Village of Buffalo Grove
 February 19, 2020 - 10:00 AM

Name	Company	Title	Phone	E-Mail
Luke Matson	Ciorba Group	Proj Manager	773-355-2947	lmatson@ciorba.com
MIKE MATHEWY	MANUSOS	SUPT.	847-973-0600	MANUSOS@MANUSOS-ENG.COM
Stan Mucenski	Xylem	Sales Rep	312-415-2761	stan.mucenski@xyleminc.com
Pat Carney	Flow-Technics	Sales	815-277-2600	Pat@Flowtechnics.com
COLIN CARNEY	FLOW-TECHNICS	Sales	815-277-2600	ccarney@flowtechnics.com
MIKE CARROLL	Rain for Rent	Sales	815-600-0002	mcarroll@rainforent.com
GERARDO ESCARZA	MIDKIFF'S CONSTRUCTION	SUPT.	312-420-5041	JOHNTHOMAS@MIDKIFFS-CONSTRUCTION.COM
Lonnie Avey	PERFORMANCE CONSTRUCTION	PERF.	(630) 918-1237	Lonnie627@gmail.com
George Ismail	Martam Construction	Project Coordinator	(847) 608-6800	George@Martam.com
TODD BARNETT	CECCHIN PLUMBING	PM	630-529-4046	tbarnett@cecchin-inc.com

Chatham Lift Station Reconstruction
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Name	Company	Title	Phone	E-Mail
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Doug Abbey	BOLDER CONTRACTORS	P.M.	847 236 0785	doug-abbey@yanbo.com
Pepe Magnani	MAG Construction	P.M.	847-432-7783	joemagn@construction.com
Rob DiMeo	DiMeo Brothers	Manager	847-640-2240	John@DiMeos.com
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JOEL ANTRA	Bergal Excavating	Estimator	847-526-5457	KBerger@bergalexavating.com

