



Central Purchasing
213 South Oliver Drive
Aztec, New Mexico 87410
(505) 334-4551

BID No. 22-23-23, McGee Park Lift Station

**ADDENDUM #1
March 16, 2023**

**CLARIFICATION / ADDITIONAL INFORMATION FOR BID SPECIFICATIONS AS
FOLLOWS:**

- Changes and clarification to the bid specifications have been made pursuant to the attached addendum sheets as provided by Cheney Walters Echols (6 pages).

Attachments:

- Pre-Bid Sign-In sheet (1 page)

Plan Holders List:

Bidders are reminded that in order to obtain the most current and up to date listing of plan holders, you are encouraged to visit the County's Website at www.sjcounty.net.

PLEASE ACKNOWLEDGE RECEIPT OF THIS ADDENDUM ON THE OFFER PAGE.

**McGee Park Lift Station
Addendum No. 1**

A Pre-Bid Conference was held at 10:00 am on Tuesday, March 14, 2023 at the Multi-Purpose Building Conference Room at McGee Park located at 4100 Road 5568, Farmington, NM. Those in attendance signed in on the attached Sign In Sheet.

Bob Echols with Cheney-Walters-Echols, Inc. conducted the Pre-Bid Meeting as the Project Engineer. The Scope of Work was outlined as the project will replace the existing lift station with a new Duplex Lift Station and related improvements. Upon completion the City of Farmington will assume operation and maintenance of the facility. Diana Chapman with San Juan County Purchasing briefly discussed the County's requirements including:

1. Acknowledgment of Receipt Form for project communication.
2. Qualifications of bidders-Article 3
3. Article 8-Bid Security 5%
4. Article 9-Contract Time, which shall be 180 calendar days
5. Article 10-Liquidated Damages, \$250.00 per day
6. Article 17-Opening of Bids-2:00 pm on March 23, 2023 at the San Juan County Central Purchasing Conference Room located in Aztec NM

The project is not subject to the Buy American Act. Plug Valves, the attached Specification will be used lieu of Gate Valves. The project is estimated at approximately \$360,000.00, plus tax.

The issuance of the Notice of Award will enable the Contractor to get contracts in place, Bonds, Submittals, etc. Since the delivery of the Lift Station is paramount to when the Contractor can start their work, we would issue a Notice to Proceed when the Lift Station is on site. The excavation for the Lift Station may encounter ground water, and we don't want to excavate and leave the excavation open.

Methane Gas monitoring has not been necessary by County forces since entering the wet well is by the top vault lids, but confined space requirements are followed.

The Contractor is advised that their work may be halted during the County Fair beginning August 1 through August 15. The existing RV dump stations are in the vicinity of the new Lift Station.

The Contractor will be responsible for providing trucks and equipment as necessary to accommodate flow from the Lift Station for any duration of shut down of the existing Lift Station to bring the new Lift Station online.

SECTION 15100
VALVES: BASIC REQUIREMENTS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Valving, actuators, and valving appurtenances.
- B. Related Sections include but are not necessarily limited to:
 - 1. Division 0 - Bidding Requirements, Contract Forms, and Conditions of the Contract.
 - 2. Division 1 - General Requirements.
 - 3. Section 09905 - Painting and Protective Coatings.
 - 4. Section 11005 - Equipment: Basic Requirements.
 - 5. Section 15060 - Pipe and Pipe Fittings: Basic Requirements.

1.2 QUALITY ASSURANCE

- A. Referenced Standards:
 - 1. American Society of Mechanical Engineers (ASME):
 - a. B1.20.1, Pipe Threads, General Purpose.
 - b. B16.1, Cast Iron Pipe Flanges and Flanged Fittings.
 - c. B16.18, Cast Copper Alloy Solder Joint Pressure Fittings.
 - 2. ASTM International (ASTM):
 - a. A126, Standard Specification for Gray Iron Castings for Valves, Flanges, and Pipe Fittings.
 - b. D256, Standard Test Methods for Determining the Izod Pendulum Impact Resistance of Plastics.
 - c. D638, Standard Test Method for Tensile Properties of Plastics.
 - d. D648, Standard Test Method for Deflection Temperature of Plastics Under Flexural Load in the Edgewise Position.
 - e. D695, Standard Test Method for Compressive Properties of Rigid Plastics.
 - f. D2240, Standard Test Method for Rubber Property-Durometer Hardness.
 - 3. American Water Works Association (AWWA):
 - a. C207, Standard for Steel Pipe Flanges for Waterworks Service - Sizes 4 IN through 144 IN.
 - b. C500, Standard for Metal-Seated Gate Valves for Water and Supply Service.
 - c. C504, Standard for Rubber-Seated Butterfly Valves.
 - d. C509, Standard for Resilient-Seated Gate Valves for Water Supply Service.
 - e. C540, Standard for Power-Actuating Devices for Valves and Slide Gates.
 - f. C550, Standard for Protective Interior Coatings for Valves and Hydrants.
 - g. C606, Standard for Grooved and Shouldered Joints.
 - 4. American Water Works Association/American National Standards Institute (AWWA/ANSI):
 - a. C111/A21.11, Rubber-Gasket Joints for Ductile-Iron Pressure Pipe and Fittings.

1.3 DEFINITIONS

- A. The following are definitions of abbreviations used in this section or one (1) of the

individual

valve sections:

1. CWP: Cold water working pressure.
2. SWP: Steam working pressure.
3. WOG: Water, oil, gas working pressure.
4. WWP: Water working pressure.

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1.4 SUBMITTALS

A. Shop Drawings:

- submittal
1. See Section 01340 for requirements for the mechanics and administration of the process.
 2. Product technical data including:
 - a. Acknowledgement that products submitted meet requirements of standards referenced.
 - b. Manufacturer's installation instructions.
 - c. Valve pressure and temperature rating.
 - d. Valve material of construction.
 - e. Special linings.
 - f. Valve dimensions and weight.
 - g. Valve flow coefficient.
 - h. Wiring and control diagrams for electric or cylinder actuators.
 3. Test reports.

B. Operation and Maintenance Manuals:

1. See Section 01340 for requirements for:
 - a. The mechanics and administration of the submittal process.
 - b. The content of Operation and Maintenance Manuals.

PART 2 - PRODUCTS

2.1 ACCEPTABLE MANUFACTURERS

A. Refer to individual valve Specification Sections.

2.2 MATERIALS

A. Refer to individual valve Specification Sections.

2.3 VALVE ACTUATORS

A. Valve Actuators - General:

1. Provide actuators as shown on Drawings or specified.
2. Counter clockwise opening as viewed from the top.
3. Direction of opening and the word OPEN to be cast in handwheel or valve bonnet.
4. Size actuator to produce required torque with a maximum pull of 80 LB at the

maximum

- pressure rating of the valve provided and withstand without damage a pull of 200
 LB on handwheel or chainwheel or 300 foot-pounds torque on the operating nut.
5. Unless otherwise specified, actuators for valves to be buried, submerged or installed
 in vaults or manholes shall be sealed to withstand at least 20 FT of submergence.
6. Extension Stem:
 a. Install where shown or specified.
 b. Solid steel with actuator key and nut, diameter not less than stem of valve
 actuator shaft.
 c. Pin all stem connections.
 d. Center in valve box or grating opening band with guide bushing.
- B. Buried Valve Actuators:
 1. Provide screw or slide type adjustable cast iron valve box, 5 IN minimum diameter,
 3/16 IN minimum thickness, and identifying cast iron cover.
 2. Box base to enclose buried valve gear box or bonnet.
 3. Provide 2 IN standard actuator nuts complying with Section 3.16 of AWWA C500.
 4. Provide at least two (2) tee-handle keys for actuator nuts, with 5 FT extension
 between key and handle.
 5. Extension Stem:

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- a. Provide for buried valves greater than 4 FT below finish grade.
 b. Extend to within 6 IN of finish grade.
6. Provide concrete pad encasement of valve box as shown for all buried valves unless
 shown otherwise.
- C. Exposed Valve Manual Actuators:
 1. Provide for all exposed valves not having electric or cylinder actuators.
 2. Provide handwheels for gate and globe valves.
 a. Size handwheels for valves in accordance with AWWA C500.
 3. Provide lever actuators for plug valves, butterfly valves and ball valves 3 IN DIA and
 smaller.
 a. Lever actuators for butterfly valves shall have a minimum of 5 intermediate lock
 positions between full open and full close.
 b. Provide at least two (2) levers for each type and size of valve furnished.
 4. Gear actuators required for plug valves, butterfly valves, and ball valves 4 IN DIA and
 larger.
 5. Provide gearing for gate valves 20 IN and larger in accordance with AWWA C500.
 6. Gear actuators to be totally enclosed, permanently lubricated and with sealed
 bearings.
7. Provide chain actuators for valves 6 FT or higher from finish floor to valve centerline.
 a. Cadmium-plated chain looped to within 3 FT of finish floor.
 b. Equip chain wheels with chain guides to permit rapid operation with reasonable

side

- pull without "gagging" the wheel.
- 8. Provide cast iron floor stands where shown on Drawings.
 - a. Stands to be furnished by valve manufacturer with actuator.
 - b. Stands or actuator to include thrust bearings for valve operation and weight of accessories.

2.4 FABRICATION

- presented
- A. End Connections:
 - 1. Provide the type of end connections for valves as required in the Piping Schedules in Section 15060 or as shown on the Drawings.
 - 2. Comply with the following standards:
 - a. Threaded: ASME B1.20.1.
 - b. Flanged: ASME B16.1 Class 125 unless otherwise noted or AWWA C207.
 - c. Bell and spigot or mechanical (gland) type: AWWA/ANSI C111/A21.11.
 - d. Soldered: ASME B16.18.
 - e. Grooved: Rigid joints per Table 5 of AWWA C606.
 - B. Refer to individual valve sections for specifications of each type of valve on Project.
 - C. Nuts, Bolts, and Washers:
 - 1. Wetted or internal to be bronze or stainless steel.
 - a. Exposed to be zinc or cadmium plated.
 - D. On Insulated Piping: Provide valves with extended stems to permit proper insulation application without interference from handle.
 - E. Epoxy Interior Coating:
 - 1. Provide epoxy interior coating for all ferrous surfaces in accordance with AWWA C550.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install products in accordance with manufacturer's instructions.
- B. Painting Requirements:

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- 1. Comply with Section 09905 for painting and protective coatings.
- C. Setting Buried Valves:
 - 1. Locate valves installed in pipe trenches where buried pipe indicated on Drawings.
 - 2. Set valves and valve boxes plumb.
 - 3. Place valve boxes directly over valves with top of box being brought to surface of finished grade.

- 4. Install in closed position.
 - 5. Place valve on firm footing in trench to prevent settling and excessive strain on connection to pipe.
 - 6. After installation, backfill up to top of box for a minimum distance of 4 FT on each side of box.
- D. Support exposed valves and piping adjacent to valves independently to eliminate pipe loads being transferred to valve and valve loads being transferred to the piping.
- E. For grooved coupling valves, install rigid type couplings or provide separate support to prevent rotation of valve from installed position.
- F. For threaded valves, provide union on one side within 2 FT of valve to allow valve removal.
- G. Install valves accessible for operation, inspection, and maintenance.

3.2 ADJUSTING

- A. Adjust valves, actuators and appurtenant equipment to comply with Section 01650.
 - 1. Operate valve, open and close at system pressures.

END OF SECTION

PRE-BID CONFERENCE

DATE: March 14, 2023 TIME: 10:00 am BID NO.: 22-23-23 ITEM: McGee Park Lift Station Improvements

REPRESENTATIVE	COMPANY	PHONE NO.	E-MAIL ADDRESS
Diana Chapman	SJC	334-4551	dchapman@sjcounty.net
Dan Brinkman	PIONEER EQUIPMENT	505-362-6245	DARB@PIONEEREQUIP.COM
Mike Greenhaus	Winters Construction	505-427-1792	Mike Mike@winterscon.us
Jacob Ridley	Compass Engineering	505 916 6000	Jake@compass.com
Fritz Adair	TRC Construction Inc.	505-793-4795	rudon@TRC-construction.com
Robert Eaton	CHEVY WINTERS SCHOOL	505-307-3307	robert@c-w-e.com
T Jones	Rain For Rent	970-529-6300	timus@rainforrent.com
Daveel Hill	SJC	505 427 1858	DHILL@SJCOUNTY.NET
Steve Dansie	SJC	505-634-6769	Stan.Dansie@SJCcounty.net
Anthony Yellow	Pillar Innovations	505-360-0211	anthonyyellow@pillarinnovations.co
Boss Trujillo	Ross/Wes Electric	505-325-5849	rossweselectric@yahoo.com