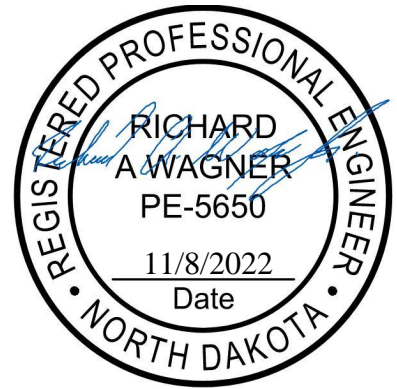


ADDENDUM NO. 1
NOVEMBER 8, 2022
TO
PROJECT MANUAL
FOR
FARGO REGIONAL EMERGENCY WATER SUPPLY LS AND PIPELINE
FOR
CITY OF FARGO
NORTH DAKOTA
OCTOBER 2022



The following changes, additions, and deletions are hereby made a part of the Bidding Documents for the Fargo Regional Emergency Water Supply LS and Pipeline project as fully and completely as if the same were set forth therein. Acknowledge receipt of this addendum in the space provided on the Bid Form and also on the outside of the Bid envelope. Failure to do so may result in rejection of bid.

This addendum consists of two (2) pages and two (2) attachments.

SPECIFICATIONS

SECTION 00 21 13 – INSTRUCTIONS TO BIDDERS

1. The Pre-bid meeting date has been changed. Delete the Pre-Bid Conference date and time listed in Paragraph 5.01 and replace with 10:00 AM on November 15, 2022.

SECTION 00 73 00 – SUPPLEMENTARY CONDITIONS

1. The correction period shall be one (1) year after final completion as defined in Paragraph SC-6.01. 1. Delete Paragraph SC-15.08-G in its entirety.

SECTION 01 25 00 – SUBSTITUTION PROCEDURES

1. Section 01 25 00 – Substitution Procedures: Insert the Section 01 25 00.01 – Substitution Request Form immediately following Section 01 25 00. Refer to Attachment No. 1.

SECTION 05 50 00 – METAL FABRICATIONS

1. Specification Section 05 50 00 – Metal Fabrications, Paragraph 2.1 B.: Remove the 300 psf load rating and replace with H20 load rating.
2. Specification Section 05 50 00 – Metal Fabrications, Paragraph 2.1 D., Clarification: Size shown on the drawings shall be the clear opening size.
3. Specification Section 05 50 00 – Metal Fabrications, Paragraph 2.1 E.: Remove the 300 psf load rating and replace with H20 load rating

SECTION 05 51 10 – ACCESS LADDER

1. Delete Specification Section 05 51 10 in its entirety and replace with Section 05 51 10R. Refer to Attachment No. 2.

SECTION 40 63 13 – PROCESS CONTROL PANELS AND HARDWARE

1. Page 40 63 13 – 2. Add the following to Paragraph 1.1 F. 1. a.:
 - 5) Quality Control & Integration
 - (a) Location: New Prague, MN
 - (b) Phone: (952) 758-9445

SECTION 43 23 31 – AXIAL FLOW PUMPS

1. Specification Section 43 23 31 – Axial Flow Pumps, Page 6, Paragraph 2.03 C. 2.: Add the following paragraph after 2.03 C. 2.
 - d. Provide a 3-inch diameter nipple welded to the top of the discharge elbow with NPT threads. Install a ¼ turn NPT ball valve to release air accumulation. Install 3-inch PVC piping to direct blowoff air/water into the wetwell.
2. Specification Section 43 23 31 – Axial Flow Pumps, Page 7, Paragraph 2.03 C. 5.: Delete paragraph 5., “Oil Lubricated Line Shaft Bearings”, in its entirety.

DRAWINGS

SHEET LS P101 – PUMP STATION PLAN VIEW

1. Add Construction Note No. 6: Provide and install a 3-inch diameter ¼ turn NPT ball valve on each pump discharge elbow. Install 3-inch PVC piping to direct blowoff air/water into the wetwell. Typical of each pump.

SHEET MH P101 – METER MANHOLE PLANS

1. Equipment Schedule Note 3: Delete “GALVANIZED” and replace with “ALUMINUM”.

SHEET MH P301 – METER MANHOLE SECTION

1. Equipment Schedule Note 8: Delete “GALVANIZED” and replace with “ALUMINUM”.

END OF ADDENDUM NO. 1 (See Attachments)

Attachment No. 1

SECTION 01 25 00.01

SUBSTITUTION REQUEST FORM

Engineer's Project No: _____ Date: _____

Project Name: Fargo Regional Emergency Water Supply LS and Pipeline

Specification Section	Manufacturer Specified	Proposed Manufacturer

Indicate drawing sheet name in lieu of specification section where applicable.

Vendor/Supplier

Name: _____

Address: _____

Contact: _____ E-Mail: _____

Telephone: _____ Fax: _____

Reason for Substitution: _____

Does Specification Allow for Substitutions of Proposed Items? Yes: ___ No: ___

Will the Substitution Provide Cost Savings to the Owner? Yes: ___ No: ___

Are Proposed Substitutions Equivalent/Superior to those Specified? Yes: ___ No: ___

Did you submit a complete qualification package as described in Part 1.02.B of Section 0026 00 with this form? Yes: ___ No: ___

I, _____, accept responsibility for coordination of proposed substitution and accept all additional costs resulting from the incorporation of proposed substitution into the Project. (Proposers Signature Required)

For Architect/Engineer's Use:.....Comments: _____

Accepted: ___ Not Accepted: ___ _____

No Action Required: ___ _____

Submission: Incomplete: ___ Too Late: ___ _____

Reviewed By: _____

Attachment No. 2

SECTION 05 51 10R – ACCESS LADDER (REVISED)

PART 1 GENERAL

1.1. SUMMARY

A. Section Includes:

1. Access Ladders
2. Davit Crane Anchor

B. Related Sections Include:

1. Section 01 33 00 - Submittal Procedures

1.2. REFERENCES

A. ASTM

1. ASTM D-638-Tensile Properties of Plastics
2. ASTM D-790-Flexural Properties of Unreinforced and Reinforced Plastics
3. ASTM D-2344-Apparent Interlaminar Shear Strength of Parallel Fiber Composites by Short Beam Method
4. ASTM D-495-High Voltage, Low-Current, Dry Arc Resistance of Solid Electrical Insulation
5. ASTM D-696-Coefficient of Linear Thermal Expansion for Plastics
6. ASTM E-84-Surface Burning Characteristics of Building Materials
7. A36 - Specification for Structural Steel.
8. A48 - Specification for Grey Iron Castings.
9. A53 - Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless.
10. A123 - Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products.
11. A167 - Specification for Stainless and Heat-Resisting Chromium-Nickel Steel Plate, Sheet, and Strip.
12. A269 - Specification for Seamless and Welded Austenitic Stainless Steel Tubing for General Service.
13. A276 - Specification for Stainless Steel Bars and Shapes.
14. A307 - Specification for Carbon Steel Bolts and Studs, 60,000 PSI Tensile Strength.
15. A325 - Specification for High-Strength Bolts for Structural Steel Joints.
16. A489 - Specification for Carbon Steel Lifting Eyes.
17. A490 - Specification for Heat-Treated Steel Structural Bolts, 150 ksi
18. A500 - Specification for Cold-Formed Welded and Seamless Carbon Steel Structural Tubing in Rounds and Shapes.
19. A501 - Specification for Hot-Formed Welded and Seamless Carbon Steel Structural Tubing.
20. A569 - Specification for Steel, Carbon (0.15 Maximum, Percent) Hot-Rolled Sheet and Strip Commercial Quality.
21. A570/A570M - Specification for Steel, Sheet and Strip, Carbon. Hot-

22. A635 - Specification for Steel, Sheet and Strip, Heavy-Thickness Coils, Carbon, Hot-Rolled.
 23. A653 - Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-coated (Galvannealed) by the Hot-Dip Process.
 24. A276 - Specification for Stainless Steel Bars and Shapes.
 25. A307 - Specification for Carbon Steel Bolts and Studs, 60,000 PSI Tensile Strength.
 26. B209 - Specification for Aluminum and Aluminum-Alloy Sheet and Plate.
 27. B429 - Specification for Aluminum-Alloy Extruded Structural Pipe and Tube.
- B. Aluminum Association (AA):
1. Specification M12-C22-A41 - Aluminum Finishes.
- C. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)
1. Federal Register, Volume 39, No. 125, Section 1910.27
- 1.3. SUBMITTALS
- A. Shop Drawings and Product Data: Submit, Under Provisions of Section 01 33 00, on all materials and products specified in this Section.
 - B. The Contractor shall furnish shop drawings of all fabricated ladder, cages, and accessories in accordance with the provisions of this Section.
 - C. The Contractor shall furnish manufacturer's shop drawings clearly showing material sizes, types, styles, part or catalog numbers, complete details for the fabrication of and erection of components including, but not limited to, location, lengths, type and sizes of fasteners, clip angles, member sizes, and connection details.
 - D. The Contractor may be required to submit sample pieces of each item specified herein for acceptance by the Engineer as to quality and color. Sample pieces shall be manufactured by the method to be used in the Work.

PART 2 PRODUCTS

2.1. GENERAL

- A. Materials: Unless otherwise specified or indicated on the Drawings, structural and miscellaneous metals shall conform with the standards of the ASTM including the following:
 1. Aluminum:
 - a. Sheet aluminum-flashing B209 Alloy 5005-H14, 0.032 inches, minimum thickness
 - b. Sheet aluminum-structural B209 Alloy 6061-T6
 - c. Structural aluminum B308, B209, Alloy 6061-T6
 - d. Extruded aluminum B221 Alloy 6063-T42

2.2. ACCESS LADDERS

- A. Locations:
 - 1. As indicated on plans.
- B. General: Fasten access ladder to concrete base and to concrete walls as indicated.
- C. All dimensions and other fabrication details must conform to appropriate OSHA standards.
- D. Ladders shall be shop assembled in maximum lengths of 12 feet.
- E. Material of construction:
 - 1. Aluminum.
- F. Rungs shall be ladder Rung Plank, traction tread, Aluminum; as shown on the drawings. Minimum of 0.1250" thick (8 Gauge), Button-Top (1-5/8" Width), 1-1/8" Channel Depth, Slip-Resistant Surface, 3% Open Area and shall be spaced 12" on center.
- G. Ladder Mounting Brackets:
 - 1. All ladder mounting brackets shall be made of Type 316 stainless steel.
 - 2. Angle clips for mounting of brackets to wall shall be a minimum of 5/16" thick. All other mounting bracket plate components shall be a minimum of 3/16" thick. Details shown on project drawings.
 - 3. Brackets shall be securely attached to wall surfaces.
 - 4. Mounting brackets shall be spaced a maximum of 6'-0" on-center.
 - 5. All fasteners shall be Type 316 stainless steel.

2.3. DAVIT CRANE ANCHOR (ANTI-FALL DEVICE)

- A. Provide one (1) flush mounted davit crane sleeve for each ladder system.
- B. Installation Location (two total locations):
 - 1. Control Vault
 - 2. Lift Station
- C. Davit Base Sleeve:
 - 1. Shall be compatible with the existing Fargo WTP davit crane. Coordinate with Fargo WTP prior to procuring equipment.
 - 2. Style: flush mounted cast-in-place with built in pins for fresh concrete (four minimum)
 - 3. Operation: 360 degree mast rotation
 - 4. Material: Stainless Steel

PART 3 EXECUTION

3.1. EXAMINATION

- A. Verification of Conditions: Examine work in place to verify that it is satisfactory to receive the work of this Section. If unsatisfactory conditions exist, do not begin this work until such conditions have been corrected.

3.2. GENERAL INSTALLATION

- A. Install products as indicated on the Drawings, and in accordance with shop drawings and manufacturer's printed instructions, as applicable except where specified otherwise.

3.3. LADDER FABRICATION

- A. All ladders shall be designed and laid out in strict accordance with OSHA 1910.27.
- B. Ladders shall be fully shop assembled. Ladders shall be test assembled and drilled to ensure a proper fit in the field.

3.4. LADDER INSTALLATION

- A. Secure to supporting surface with bent plate clips providing minimum 8 inches between supporting surface and center of rungs.
- B. Erect rail straight, level, plumb, and true to position indicated on the Drawings. Correct deviations from true line or grade which are visible to the eye.
- C. Install davit crane anchor in accordance with OSHA requirements.

END OF SECTION