WATER TREATMENT PLANT IMPROVEMENTS
GREENFIELD MUNICIPAL UTILITIES
2026

BID DATE: Tuesday, November 3, 2026 - 2:00 p.m. CST

PLACE TO FILE FOR PROJECT BIDS: GMU Downtown Generation Plant
116 SE Jackson Street
Greenfield, IA 50849

ADDENDUM NO. 3
October 30, 2026

TO ALL PLANHOLDERS:

The following changes, additions, and/or deletions are hereby made a part of the Contract Documents for the above referenced project, as fully and completely as if the same were fully set forth therein. All Bidders submitting a Bid on the above Contract shall carefully read this Addendum and give it consideration in the preparation of their Bid.

This Addendum No. 3 consists of the following:

- Addendum No. 3 pages AD3-1 through AD3-5 (5 pages)
- Specification Section 05 7000 – Decorative Metal Railings (4 pages)

PART I – CLARIFICATIONS

1. **Bids Due** – **November 3, 2026 before 2:00 p.m.** at the GMU Downtown Generation Plant, 116 SE Jackson Street, Greenfield, IA 50849.

2. **Bid Documents Required**:
   1. 1st Envelope:
      - Bid Bond (5% of Bid amount).
   2. 2nd Envelope:
      - Bid Form
        - "Project" & "Total Project" amounts filled out. "Total Project" amount includes $120,000 allowance.
        - Signature and date of person who inspected site.
        - Acknowledge addenda.
      - Attachments:
        - Bidder Status Form and Worksheet
        - Section 00450 – Questionnaire
        - SRF Attachments (Attachments 2, 3, 4, 5, and 10)

PART II – SPECIFICATIONS

3. Section 07 2500, Paragraph 2.01.A.11 – Add the following to paragraph 2.01.A.11:

   "g. TK Products Construction Coatings: https://tkproducts.com/building-air-vapor-barrier/."

4. Section 26 0923, paragraph 1.01 – Add the following paragraphs to paragraph 1.01:

   "F. Daylight responsive controls (photosensors).
   G. Low voltage switch stations."

5. Section 26 0923, paragraph 2.02.A – Add the following paragraph to paragraph 2.02.A:

   "10. Wet Locations: Devices installed in areas designated as wet locations on the drawings shall be listed for wet locations. Provide weatherproof covers for wall box mounted devices installed in wet locations."

6. Section 26 0923, paragraph 2.02 – Add the following paragraphs:

   "E. Manufacturers:
      1. nLight.
      2. Hubbell.
      3. Sensor Switch.
      4. Lutron.
      5. Engineer approved equivalent.
   F. Low Voltage Switch Stations:
      1. Description: Wall box mounted, momentary, low voltage switch stations compatible with the occupancy sensors and power packs provided.
      2. Configuration: Number of buttons as required to provide independent on/off control of each zone indicated.
   G. Daylight Responsive Controls (Photosensors):
      1. Description: Interior photosensor compatible with the occupancy sensors and power packs provided.
      2. Operation: Automatically switch or dim the controlled luminaires in response to available daylight, as compatible with the luminaire drivers.
      3. Field adjustable setpoint and deadband or time delay to prevent cycling."

7. Section 26 0923, paragraph 2.03.A – Add the following to paragraph 2.03.A:

   "4. Legrand Wattstopper."

8. Section 32 3119, paragraph 2.02.D – Replace paragraph 2.02.D with the following:

   "D. Fence Panels: Fusion welded; 8 feet high as indicated in contract documents."

9. Section 44 4436.04, paragraph 1.08.C.5 – Add the following paragraph to paragraph 1.08.C.5:

   "5. McNish Water-E&I Corporation"

10. Section 46 3383, paragraph 2.02.A.7 – Add the following paragraph to paragraph 2.02.A.7:

    "7. Peabody Engineering"

11. Section 46 3383, paragraph 2.03.A.7 – Add the following paragraph to paragraph 2.03.A.7:

    "7. Peabody Engineering"

12. Section 46 6123.02, paragraph 2.10.B.1 – Replace paragraph 2.10.B.1 with the following:

    "1. There shall be two (2) fiberglass or Type 316L stainless steel backwash troughs per filter, ten (10) total for the project, each 15" wide x 24" deep x nominal 12' length."

PART III – DRAWINGS

13. Sheet C-103 – Add the following note pointing to the north fence between the Existing Treatment Plant and the Proposed Treatment Plant:

    "PICKET SECURITY FENCE AND GATE IN ACCORDANCE WITH SECTION 32 3119 AND ARCHITECTURAL SHEETS."

14. Sheet C-103 – Add the following note pointing to the north fence on top of the Clearwells of the Proposed Treatment Plant:

    "PICKET SECURITY FENCE AND GATE IN ACCORDANCE WITH SECTION 32 3119 AND ARCHITECTURAL SHEETS."

15. Sheet C-103 – Add the following note pointing to both the fence the fence along the south side of the access drive south of the buildings:

    "CHAINLINK FENCE AND GATES IN ACCORDANCE WITH SECTION 32 3113 AND DETAIL SHEET C-502."

16. Sheet P-201 – Change the GAC Filter Top Trough EL from "EL 1269.54" to "EL 1270.25"

17. Sheet P-301, Detail 1 – Replace note associated with ARV-2000 with the following:

    "12" TEE w/ 12" BLIND FLANGE w/ 1" NPT TAP, 1" NIPPLE, 1" BALL VALVE, AND 1" AUTOMATIC AIR/VACUUM VALVE"

18. Sheet P-301, Detail 2 – Replace note associated with ARV-2000 with the following:

    "12" TEE w/ 12" BLIND FLANGE w/ 1" NPT TAP, 1" NIPPLE, 1" BALL VALVE, AND 1" AUTOMATIC AIR/VACUUM VALVE"

19. Sheet P-301, Detail 1 – Add the following note to Detail 1:

    "1. PIPING, FITTINGS, AND BALL VALVE FOR AUTOMATIC AIR/VACUUM VALVE SHALL BE COPPER AND BRONZE IN ACCORDANCE WITH SECTION 22 1005."

20. Sheet P-306, Detail 1 – Add the following note to Detail 1:

    "1. PIPING, FITTINGS, AND BALL VALVE FOR AUTOMATIC AIR/VACUUM VALVE SHALL BE COPPER AND BRONZE IN ACCORDANCE WITH SECTION 22 1005."

21. Sheet P-307 – Change the Filter Backwash Trough Top from "EL 1269.54" to "EL 1270.25".

22. Sheet P-310, Detail 1 – Add the following note to Detail 1:

    "1. PIPING, FITTINGS, AND BALL VALVE FOR AUTOMATIC AIR/VACUUM VALVE SHALL BE COPPER AND BRONZE IN ACCORDANCE WITH SECTION 22 1005."

23. Sheet P-401, Detail 1 – Replace note associated with ARV-2000 with the following:

    "12" TEE w/ 12" BLIND FLANGE w/ 1" NPT TAP, 1" NIPPLE, 1" BALL VALVE, AND 1" AUTOMATIC AIR/VACUUM VALVE"

24. Sheet P-501, Detail 2 – Add the following note to Detail 2:

    "1. PIPING, FITTINGS, AND BALL VALVE SHALL BE COPPER AND BRONZE IN ACCORDANCE WITH SECTION 22 1005."

25. Sheet S-512 – Replace "Steel Rail General Notes 1 through 4" with the following:

    "GUARDRAIL GENERAL NOTES:
    1. GUARDRAILS AND HANDRAILS SHALL BE ALUMINUM UNO ON PLANS.
    2. DESIGN FOR 50 PLF OR 200 LB CONCENTRATED LOAD ON GUARDRAIL.
    3. RAILING SIZES AND DIMENSIONS SHOWN ARE FOR REFERENCE ONLY,
    4. REFERENCE ARCHITECTURAL DRAWINGS FOR LOCATIONS, SIZES, AND STYLES.
    5. CONNECTIONS PER RAILING MANUFACTURER."

26. Sheet S-512, Details 1-5 – Delete "STEEL" from Detail titles and note references.

27. Sheet S-513, Detail 4 – Delete "STEEL" from Detail 4 title.

28. Sheet A-102 – Change the note pointing to the fence at the north edge of the area between the two buildings from "6' HIGH STEEL PICKET SECURITY FENCE…" to "8' HIGH STEEL PICKET SECURITY FENCE…".

29. Sheet A-104 – Change the note pointing to the fence at the north edge of the Clearwell from "6' HIGH STEEL PICKET SECURITY FENCE" to "8' HIGH STEEL PICKET SECURITY FENCE".

30. Sheet A-201, Keynote 4 – Change Keynote 4 from "6' HIGH STEEL PICKET SECURITY FENCE" to "8' HIGH STEEL PICKET SECURITY FENCE".

31. Sheet A-202, Keynote 4 – Change Keynote 4 from "6' HIGH STEEL PICKET SECURITY FENCE" to "8' HIGH STEEL PICKET SECURITY FENCE".

32. Sheet A-203, Keynote 4 – Change Keynote 4 from “6’ HIGH STEEL PICKET SECURITY FENCE” to “8’ HIGH STEEL PICKET SECURITY FENCE”.

33. Sheet A-204, Keynote 4 – Change Keynote 4 from “6’ HIGH STEEL PICKET SECURITY FENCE” to “8’ HIGH STEEL PICKET SECURITY FENCE”.

34. Sheet A-304, Detail 1 – Change the note pointing to the fence near Column-Row D from “6’ HIGH STEEL PICKET SECURITY FENCE” to “8’ HIGH STEEL PICKET SECURITY FENCE”.

35. Sheet A-502, Detail 10 – Change the note pointing to the fence near Column-Row D from “6’ HIGH ALUMINUM PICKET SECURITY FENCE…” to “8’ HIGH STEEL PICKET SECURITY FENCE…”.

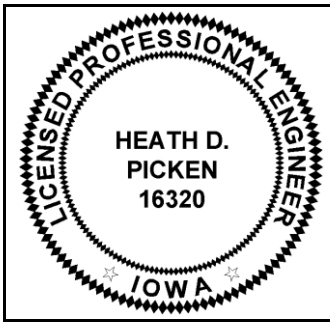
36. Sheet E-110, Process Gallery – Replace the three wall mounted occupancy sensors (a, b, and c) at the west Process Gallery entrance with a single low voltage switch station providing on/off control of zones a, b, and c. Make the same change at the east Process Gallery entrance.

37. Sheet E-110, Process Gallery – Add a time switch (powered from circuit PPC-13) for scheduled off of zone c (PPC-13c) located near the west Process Gallery entrance switch station and add the following note pointing to the time switch:

    “Time switch shall provide a visual warning (blink) to occupants approximately 5 minutes before the scheduled off.”

38. Sheet E-603, Lighting Control Schedule – Replace the three Process Gallery rows with the following:

ROOM OR SPACE	LOCAL CONTROL SWITCH TYPE	OCCUPANCY SENSOR	AUTO ON	AUTO OFF	MANUAL ON/OFF	MANUAL DIMMING	DAYLIGHT CONTROL
PROCESS GALLERY - OVERHEAD (ZONE a)	LOW VOLTAGE ON/OFF	CEILING	@ 100%	@ 20 MINUTES	Y	N	N
PROCESS GALLERY - WALL MOUNTED (ZONE b)	LOW VOLTAGE ON/OFF	CEILING	@ 100%	@ 20 MINUTES	Y	N	Y
PROCESS GALLERY - BASIN FLOOD (ZONE c)	LOW VOLTAGE ON/OFF	NONE	NO	w/TIME SWITCH (NOTE 2)	Y	N	N



I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

10/30/2026

HEATH D. PICKEN, P.E.

License No. **16320**

My renewal date is **December 31**, **2027**

Pages or sheets covered by this seal:

Entire Addendum No. 3.

ALL BIDDERS SHALL ACKNOWLEDGE RECEIPT AND ACCEPTANCE OF ADDENDUM NO. 3 BY INCLUDING ITS NUMBER IN THE SPACES PROVIDED IN THE BID FORM.

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SECTION 057000
DECORATIVE METAL RAILINGS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Railing systems
   1. Interior metal guardrails
   2. Wall mounted handrails
   3. Exterior metal guardrails

1.02 REFERENCE STANDARDS

A. AAMA 611 - Specification for Anodized Architectural Aluminum; 2026.

B. ASTM A153/A153M - Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware; 2023.

C. ASTM B211/B211M - Standard Specification for Aluminum and Aluminum-Alloy Rolled or Cold Finished Bar, Rod, and Wire; 2023.

D. ASTM B221 - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes; 2021.

E. ASTM B221M - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes (Metric); 2021.

F. ASTM E935 - Standard Test Methods for Performance of Permanent Metal Railing Systems and Rails for Buildings; 2021.

G. AWS D1.2/D1.2M - Structural Welding Code - Aluminum; 2026.

H. NAAMM AMP 500-06 - Metal Finishes Manual; 2006.

1.03 ADMINISTRATIVE REQUIREMENTS

A. Preinstallation Meeting: Convene preinstallation meeting one week before starting work of this section. Attendees include:
   1. Contractor.
   2. Manufacturer's representative.
   3. Architect.
   4. Owner's representative.
   5. Other subcontractors of adjacent work.

1.04 SUBMITTALS

A. See Section 013000 - Administrative Requirements for submittal procedures.

B. Product Data: Submit manufacturer's product data, including description of materials, components, finishes, fabrication details, glass, anchors, and accessories.

C. Shop Drawings: Indicate railing system elevations and sections, details of profile, dimensions, sizes, connection attachments, anchorage, size and type of fasteners, and accessories. Indicate anchor and joint locations, brazed connections, transitions, and terminations.

D. Samples: Submit one of each item below for each type and condition shown.
   1. Railing: 12-inch (305 mm) long section of each railing member, including top rails and posts; show color, finish, and connection details.

E. Manufacturer's Instructions: Indicate installation methods, templates, and special procedures.

1.05 QUALITY ASSURANCE

A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section, with minimum 3 years of documented experience.

B. Installer Qualifications: Company specializing in performing work of type specified, with minimum 3 years of documented experience.

1.06 DELIVERY, STORAGE, AND HANDLING

A. Deliver materials in factory-provided protective coverings and packaging.

B. Protect materials against damage during transit, delivery, storage, and installation at site.

C. Inspect materials upon delivery for damage. Replace damaged items.

D. Prior to installation, store materials and components under cover in dry location.

1.07 FIELD CONDITIONS

A. Ambient Conditions:
   1. Do not install railings until project is enclosed and ambient temperature of space is minimum 65 degrees F (18.3 degrees C) and maximum 95 degrees F (35 degrees C).
   2. Maintain ambient temperature of space at minimum 65 degrees F (18.3 degrees C) and maximum 95 degrees F (35 degrees C) for 24 hours before, during, and after railing installation.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Decorative Metal Railings (Interior and Exterior):
   1. **BASIS OF DESIGN:** Hollaender Manufacturing Co: https://architecturalrailing.hollaender.com/infill-panels/picket/
   2. C.R. Laurence Company, Inc: www.crl-arch.com/#sle
   3. Wagner Companies: www.wagnercompanies.com
   4. Substitutions: See Section 016000 - Product Requirements.

B. OSHA Style Railings (Interior and Exterior)
   1. Garlock Safety Systems: www.garlocksafety.com/#sle.
   2. **BASIS OF DESIGN**: Hollaender Manufacturing Co: https://architecturalrailing.hollaender.com/product-lines/railings/speed-rail/
   3. The Wagner Companies: www.wagnercompanies.com/#sle.
   4. Substitutions: See Section 016000 - Product Requirements.

2.02 RAILING SYSTEMS

A. General: Factory- or shop-fabricated to suit project conditions, for proper connection to building structure, and in largest sizes practical for delivery to site.

B. Performance Requirements:
   1. Structural Requirements: Design and fabricate railings and anchorages to resist loads without failure, damage, or permanent set.
      a. Handrail and Top Rails: Applying loads simultaneously not required:
         1) Distributed Load: 50 lbf/ft (730 N/m) minimum, applied horizontally and vertically at top of handrail.
         2) Concentrated Load: 200 lbf (890 N), minimum, when applied to handrail horizontally and vertically.
      b. Infill:
         1) Concentrated Load: 50 lbf (220 N), minimum, when applied to infill horizontally and vertically.

C. Assembly: Use slip-on, nonweld mechanical fittings, flanges, escutcheons, and wall brackets to join lengths, seal open ends, and conceal exposed mounting bolts and nuts.

D. Joints: Machined smooth with hairline seams; tightly fitted and secured.

E. Field Connections: Provide sleeves to accommodate site assembly and installation.

F. Metal Railing: Engineered, post-supported railing system with metal infill.
   1. Configuration: Guardrail with separate handrail and guardrail with top rail. See Drawings for locations.

2. Top Rail: 1-1/2-inch IPS / 1.9-inch OD (38.1 mm IPS / 48.26 mm OD) diameter aluminum pipe or tube.
3. Grip Rail: Round, aluminum, 1-1/2-inch IPS / 1.9-inch OD (38.1 mm IPS / 48.26 mm OD) diameter, Schedule 40.
4. Decorative Flanges for Embedded Posts: Circular, collared cover plate without screw holes.
5. Handrail Brackets: Same metal as railing.
6. Fasteners: Concealed.
7. Infill at Pipe Railings: Pipe or tube rails sloped parallel to stair.
   a. Outside Diameter: 1 inch (25 mm).
   b. Material: Aluminum pipe or tube, round.
   c. Vertical Spacing: Maximum 4 inches (100 mm) on center.
   d. Jointing: Welded and ground smooth and flush.
8. End and Intermediate Posts: Same material and size as top rails.
   a. Mounting: Welded.

G. Wall-Mounted Handrail:
1. 1-1/2-inch IPS / 1.90-inch OD (38.1 mm IPS / 48.26 mm OD) aluminum.
2. Handrail Brackets: Manufacturer's standard aluminum brackets.
   a. Mounting: Wall.
   b. Finish: As indicated on drawings.

2.03 MATERIALS

A. Aluminum Components: ASTM B221 or ASTM B221M.
1. Tubes: Schedule 40 pipe.
2. Aluminum-Alloy Bars: ASTM B211/B211M, 6061 alloy, T6 temper.
3. Bolts, Nuts, and Washers: Steel, galvanized to ASTM A153/A153M.
4. Welding Materials: AWS D1.2/D1.2M.

2.04 FABRICATION

A. Accurately form components to suit specific project conditions and for proper connection to building structure.

B. Fit and shop assemble components in largest practical sizes for delivery to site.

C. Fabricate components with joints tightly fitted and secured. Provide spigots and sleeves to accommodate site assembly and installation.

2.05 FINISHES

A. General: Comply with NAAMM AMP 500-06.
1. Complete mechanical finishes before fabrication. After fabrication, finish joints, bends, abrasions, and surface blemishes to match sheet.
2. Protect mechanical finishes on exposed surfaces from damage.
3. Apply organic and anodic finishes to formed metal after fabrication.
4. Appearance: Limit variations in appearance of adjacent pieces to one-half of range represented in approved samples. Noticeable variations in same piece are not acceptable. Install components within range of approved samples to minimize contrast.

B. Aluminum Finishes:
1. Class I Color Anodized Finish: AAMA 611 AA-M12C22A44, electrolytically deposited, colored anodic coating not less than 0.7 mil, 0.007 inch (0.018 mm) thick.
2. Color:
   a. Exterior: Black anodized
   b. Interior: Clear anodized

2.06 ACCESSORIES

A. Nonweld Mechanical Fittings for Aluminum Railings: In-line aluminum fittings, with flush setscrews for tightening by standard hex wrench, no bolts or screw fasteners.

B. Anchors and Fasteners: Provide anchors, fasteners, and other attachment devices required to attach to structure.
   1. Provide attachment devices of same material as components.
   2. Anchorage to Concrete: Post applied anchors. See Section 033000.
   3. Anchorage to Masonry: Provide brackets embedded in masonry for bolt anchors. See Section 042000.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify that substrate and site conditions are acceptable and ready to receive work.

B. Verify field dimensions of locations and areas to receive work.

C. Notify Architect immediately of conditions that would prevent satisfactory installation.

D. Do not proceed with work until detrimental conditions are corrected.

3.02 INSTALLATION

A. Install in accordance with manufacturer's instructions.

B. Install components plumb and level, accurately fitted, free from distortion or defects, and with tight joints, except where necessary for expansion.

C. Anchor securely to structure.

D. Conceal anchor bolts and screws whenever possible. Where not concealed, use flush countersunk fastenings.

E. Isolate dissimilar materials with bituminous coating, bushings, grommets, or washers to prevent electrolytic corrosion.

3.03 TOLERANCES

A. Maximum Variation From Plumb: 1/4 inch (6 mm) per floor level, noncumulative.

B. Maximum Offset From True Alignment: 1/4 inch (6 mm).

C. Maximum Out-of-Position: 1/4 inch (6 mm).

3.04 CLEANING

A. Remove protective film from exposed metal surfaces.

B. Metal: Clean exposed metal finishes with potable water and mild detergent in accordance with manufacturer recommendations; do not use abrasive materials or chemicals, detergents, or other substances that may damage material or finish.

3.05 PROTECTION

A. Protect installed components and finishes from damage after installation.

B. Repair damage to exposed, making finishes indistinguishable from undamaged areas.

C. Replace finishes and components that have irreparable damage. Ensure damaged areas are indistinguishable from undamaged finishes and surfaces.

END OF SECTION