Kemp Construction Inc
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2217 LYNMORE DRIVE
SHERRILLS FORD, NORTH CAROLINA 28673
828-478-3040 FAX 828-478-3940

Terry Connor
Newton WWTP
City of Newton, NC
Phone (704) 466-5670
Email dperry@lincolntonnc.org
PO Box PO Box 738, Lincolnton, NC 28093

Proposal: AC-P-104

September 8th, 2026

Re: ***Newton WWTP***
D.A.F.T Handrail and Grate Install

Dear Mr. Connor,

Kemp Construction Inc. is pleased to submit this proposal for the installation of new 1.5" Aluminum Safety Handrails and Bar Grate extension on your D.A.F.T.

Scope of Work – Fabrication & Installation of Removable Aluminum Handrail System

1. Project Overview
This scope covers the fabrication and installation of new 1.5" aluminum safety handrails along both sides of the grated walkway. The system will utilize permanent, non-removable base mounts installed into the existing concrete. These bases allow the handrail assemblies to be removed, but the bases themselves remain fixed.

2. Existing Conditions
- Work will be performed on an existing concrete walkway approximately 55 feet in length on each side.
- Existing concrete will be notched and prepared to receive new 1" bar grating, ensuring a smooth and continuous transition into the existing grated surface.
- Handrail system will tie into the existing railing via a removable stainless-steel chain installed perpendicular to the walkway.

3. Handrail Fabrication
- Fabricate new 1.5" aluminum handrail assemblies, built 74.25" on center.
- Handrail heights will be constructed to 48" (top rail) and 27" (bottom rail).
- All aluminum tubing will be notched and welded per design requirements to ensure structural integrity and clean fitment into the permanent bases.
- All components will be fabricated to allow removal and reinstallation without compromising alignment or safety.



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4. Installation of Permanent Base Mounts

- Layout and mark all post locations according to approved rail geometry.
- Drill and prepare the existing concrete to receive the fixed aluminum base mounts.
- Install bases using manufacturer-approved concrete anchors suitable for long-term structural attachment.
- Bases will be set plumb, level, and aligned to maintain consistent rail spacing and proper engagement of removable posts.
- Bases remain permanently installed; only the handrail assemblies are removable.



5. Integration With Existing Railing

- At the walkway end, new handrails will tie into the existing railing using a removable stainless chain with appropriate hardware.
- Chain will be installed with slight slack to allow easy removal while maintaining a secure barrier when in place.

6. Bar Grating Installation

- Existing concrete will be notched to accept new 1” bar grating.
- Grating will be installed flush to the surrounding surfaces to ensure smooth transition and proper flow into the existing grated walkway.

7. Quality Assurance & Finalization

- All drilling, anchoring, welding, and mounting will follow industry standards for aluminum handrail systems and concrete attachment.
- Alignment of bases and handrail assemblies will be verified to ensure smooth removal and reinstallation.
- Work area will be cleaned and all debris removed upon completion.

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8. Deliverables

- Fully installed permanent base mounts anchored into existing concrete.
- Fabricated and installed removable 1.5” aluminum handrail system on both sides of the walkway.
- Installed 1” bar grating with proper concrete notching and flush transition.
- Installed removable stainless chain connection to existing railing.

Proposal Cost: $25,000.00

Clarifications & Terms

• Payment Terms: 100% NET 30 Days from invoice date.

Kemp Construction Inc. is a fully licensed General Contractor with specialization in Water and Wastewater infrastructure. We appreciate the opportunity to collaborate on this essential maintenance project and ensure your systems are operating at optimal capacity.

Sincerely,

Ashley Carpenter
Kemp Construction Inc.