

# Scope of Work

## Lift Station Grinder Pump Replacement

### Project Location

Idaho State Veterans Cemetery  
10100 Horseshoe Bend Road  
Boise, Idaho 83714

### Project Overview

This project consists of providing and installing a new grinder pump in an existing lift station to replace a pump that has recently been removed from service. The new pump will be installed to ensure dependable wastewater conveyance, enhance solids-handling performance, and maintain compliance with applicable operational and safety standards.

The Contractor shall:

1. Conduct on-site assessment of lift station, wet well, electrical service, and discharge piping.
2. Verify pump specifications, voltage, phase, and compatibility with existing infrastructure
3. Lockout/Tagout (LOTO) all electrical and mechanical systems.
4. Pump down and clean the wet well as needed for safe access.
5. Disconnect electrical wiring from the control panel.
6. Clean and prepare mounting surfaces and discharge connection points.
7. Furnish one (1) new five (5) HP submersible grinder pump that meets or exceeds the performance requirements of the existing Myers grinder pump.
8. Deliver the new pump to the project site.
9. Provide all labor, tools, rigging, lifting devices, hoisting equipment, and installation materials required to complete the work.
10. Inspect the existing guide rail system, discharge connection, mounting components, and electrical connections to verify compatibility with the replacement pump.
11. Install the new grinder pump in the lift station using appropriate hoisting equipment and safety procedures.
12. Connect the pump to the existing mechanical and electrical systems.
13. Furnish and install all fittings, adapters, gaskets, hardware, fasteners, seals, and miscellaneous materials required for a complete and operational installation.
14. Verify proper pump alignment and seating at the discharge connection.
15. Perform operational testing to confirm proper pump rotation, functionality, and overall system performance.
16. Coordinate startup and commissioning of the installed pump.

17. Contractor shall be responsible for work site safety and shall ensure that all safe guards are in place while site is under service.
18. Clean the work area and remove all debris generated by the installation activities.

## **Exclusions**

The following items are specifically excluded from this Scope of Work unless otherwise stated:

- Removal and disposal of the existing grinder pump.
- Modifications to existing electrical service, control panels, controls, or wiring beyond final pump connection.
- Repairs or replacement of existing guide rails, discharge piping, valves, controls, or lift station infrastructure not directly required for installation of the new pump.
- Bypass pumping services.
- Structural modifications to the lift station.
- Permit fees, engineering services, regulatory reviews, or inspections.

## **Deliverables**

Upon completion of the work, the Contractor shall provide:

- One (1) installed and fully operational five (5) HP grinder pump.
- Manufacturer's product data, operation and maintenance information, and warranty documentation.
- Startup and operational test verification.
  - Verifications shall be completed with Cemetery Supervisor or designee present.

## **Safety and Compliance**

- All work performed under OSHA standards.
- Confined space entry procedures followed.
- Electrical work performed by licensed personnel.
- Compliance with local wastewater authority requirements.

## **Completion Requirements**

All work shall be performed in accordance with the manufacturer's recommendations, applicable industry standards, and local safety regulations. The completed installation shall result in a fully functional and operational grinder pump system ready for service.