

CITY OF ARCATA
WWTF IMPROVEMENTS
Phase 1 Project

SUMMARY OF WORK

1.01 THE WORK

- A. The Work consists of construction of the Arcata Wastewater Treatment Facilities improvements Projects Phase 1, including construction of the following components:
 - 1. Modifications to the influent pump station and bar screens.
 - 2. Demolition and replacement of the grit chamber and grit handling facilities.
 - 3. Influent flow split structure addition.
 - 4. Modification to Primary Clarifier No. 2 and replacement of primary sludge and scum pumps.
 - 5. Oxidation Pond Transfer Structure addition.
 - 6. Modifications to Oxidation Pond No. 2 including new aerators, and modification to outlet structures.
 - 7. Modifications to the Emergency Pond Pump Station including piping modification and building rehabilitation.
 - 8. Modifications to the treatment wetlands including new baffles, and vegetation management.
 - 9. Modifications to the Pond Pump Station and Pump Station No. 1 including replacement pumps.
 - 10. New UV disinfection facilities including installation of owner furnished equipment, modification of the existing CCB structure and electrical installation.
 - 11. Modifications to the existing chlorine contact basin including modification of structure and replacement of gates and chlorine induction units.
 - 12. Allan Enhancement Wetland Bypass Structure addition including new inlet and bypass structures.
 - 13. Modifications to the enhancement wetlands, including new baffles, and vegetation management.
 - 14. Modifications to the Enhancement Wetlands Pump Station 1 including replacement pumps.
 - 15. Outfall 003 installation and associated piping to the existing brackish marsh.
 - 16. New electrical building including transformers, switchgear, motor control centers (MCC), standby generator, controls and PLC based control system.
 - 17. Modification to the existing generator / electrical building including new MCC, and other improvements.
 - 18. Yard piping modification for current project and future phase 2 project.
 - 19. Demolition of existing facilities for required modifications.
 - 20. New Programmable Logic Controller (PLC) system including PLCs, installation panels, fiber network, programming, integration and SCADA system including software, programming, hardware and integration.

1.02 LOCATION OF PROJECT

- A. The Work is located at 600 South G Street, Arcata, CA 95521, Humboldt County, California.

1.03 OWNER FURNISHED EQUIPMENT

- A. Owner will furnish:
 1. UV equipment, purchased, with approved submittal and delivery. To be assigned to the installation contractor.
- B. Owner will:
 1. Arrange for and deliver necessary shop drawings, product data, and samples to Contractor.
 2. Arrange and pay for product delivery to site in accordance with construction schedule.
 3. Deliver supplier's bill of materials to Contractor.
 4. Inspect deliveries jointly with Contractor.
 5. Submit claims for transportation damage.
 6. Arrange for replacement of damaged, defective, or missing items.
 7. Arrange for manufacturer's warranties, bonds, service, and inspections.
- C. Contractor's responsibility for Owner-furnished products:
 1. Designating delivery date for each Owner-furnished product.
 2. Reviewing shop drawings, product data, and samples.
 3. Submitting notification of discrepancies or anticipated problems.
 4. Receiving and unloading products at site.
 5. Promptly inspecting products jointly with Owner and recording shortages, and damaged or defective items.
 6. Handling products at site, including uncrating and storage.
 7. Protecting products from damage.
 8. Installing, including assembly, connections, adjustments, and commissioning in accordance with Contract Documents.
 9. Providing operating oils, lubricants, and incidental materials required for complete installation.
 10. Repairing or replacing items damaged after receipt until date of Substantial Completion of the Work by Owner.