



WILKESBORO WWTP EXPANSION

Addendum #1 November 25, 2024

TO ALL BIDDERS:

This Addendum #1 is hereby made a part of the Contract Documents on which a Subcontract Order Agreement will be based, and it is issued to modify, explain, and/or correct the original Contract Documents.

Receipt of this Addendum must be acknowledged in writing on the proposal form.

I. GENERAL

- a. **The bid date for all bid packages is now January 9, 2025 @ 2:00 PM.**
- b. Dewatering Screw Presses will be provided by others. Refer to updated Appendix B.1 included herein.

II. CHANGES TO SPECIFICATIONS

- a. None

III. CHANGES TO CONTRACT DRAWINGS

- a. None

IV. CHANGES TO BID PACKAGE DOCUMENTS

- a. **BP-01 – General Construction**
 - i. In regards to Appendix B.1 – Bid Package Scope, delete this item in its entirety and replace it with Appendix B.1 – Bid Package Scope included with this Addendum.

V. QUESTIONS AND ANSWERS

- a. See attached Q&A Log.

END OF ADDENDUM #1

WILKESBORO WWTP EXPANSION

Appendix B.1 – Bid Package Scope

BP-01 – General Construction

Bid Package 01 – GENERAL CONSTRUCTION

Bidder's Proposal shall be submitted electronically via Building Connected. Reference "Instructions to Bidders" for specific details.

The Bidder shall provide all labor, materials, equipment and services necessary to complete the Work, all of which shall be provided in full accordance with and reasonably inferable from the Contract Documents as being necessary to produce the indicated results as related to your trade.

The Drawings and Specifications available for bidding and establishment of a Subcontract Amount do not necessarily indicate or describe in detail all work required for the full performance or completion of Subcontractor's Work. All Bidders must include work indicated by or reasonably inferable from the Documents as relates to their trade(s).

When "Construction Manager" or "USC" is referenced, it shall mean Ulliman Schutte Construction, LLC or (USC). When "Owner" is referenced, it shall mean the Town of Wilkesboro. When "Engineer" is referenced, it shall mean HDR, Engineering, Inc. (HDR), including any design consultants. When "Subcontractor" is referenced, it shall mean the Subcontractor providing material and labor for a specific scope. When "Supplier" or "Vendor" is referenced, it shall mean the supplier of material, but not performing on-site labor on the project.

All Subcontractors & Suppliers are responsible for reviewing and complying with all project documents prior to submitting their proposal, including but not limited to:

- a. Instructions to Bidders
- b. Standard Form of Agreement Between Owner and Construction Manager
- c. Supplemental Conditions
- d. Contract Drawings
- e. Contract Specifications
- f. Subsequent Addenda
- g. This scope document

100% Performance & Payment Bonds are required for this Subcontract. Cost of said bonds shall be included in all pricing items on the Bid Form.

APPENDIX B.1 – SCOPE OF WORK

Subcontractor shall provide all labor, materials, equipment, tools, supervision and all other necessary facilities and services to complete the following Work:

DIVISION 00 – PROCUREMENT AND CONTRACTING REQUIREMENTS – As Applicable
DIVISION 01 – GENERAL REQUIREMENTS – Complete
DIVISION 02 – EXISTING CONDITIONS – Complete
DIVISION 03 – CONCRETE – Complete
DIVISION 04 – MASONRY – Complete
DIVISION 05 – METALS – Complete
DIVISION 06 – WOOD, PLASTICS, AND COMPOSITES – Complete
DIVISION 07 – THERMAL AND MOISTURE PROTECTION – Complete
DIVISION 08 – OPENINGS – Complete
DIVISION 09 – FINISHES – Complete
DIVISION 10 – SPECIALTIES – Complete
DIVISION 22 – PLUMBING – Complete
DIVISION 23 – HEATING VENTILATING AND AIR CONDITIONING – Complete
DIVISION 26 – ELECTRICAL – As Applicable
DIVISION 27 – COMMUNICATIONS – As Applicable
DIVISION 31 – EARTHWORK – Complete
DIVISION 32 – EXTERIOR IMPROVEMENTS – Complete
DIVISION 33 – UTILITIES – Complete
DIVISION 40 – PROCESS INTERCONNECTIONS – As Applicable
DIVISION 41 – MATERIAL PROCESSING AND HANDLING EQUIPMENT – Complete
DIVISION 43 – PROCESS GAS & LIQUID HANDLING, PURIFICATION & STORAGE EQUIPMENT – Complete
DIVISION 46 – WATER AND WASTEWATER EQUIPMENT – Complete
APPENDICES – As Applicable

1. It is the intent of this Subcontract Agreement that all work shown, specified, reasonably inferred and/or required to complete all Work (excluding Electrical work required by Bid Package 3) and Control Building work required by Bid Package 7) for the Wilkesboro WWTP Expansion project in accordance with the specified requirements detailed in this Agreement and the Contract Documents, shall be included in this Agreement. All necessary mobilizations, demobilizations, materials, equipment, logistics, incidentals, tools, labor, supervision, inspections, quality control assurance, bonds, insurance, permits and services required to complete the Work are the responsibility of this Subcontractor, and the omission of any reference to a portion of the Work within this Agreement shall not be construed as to limit the responsibility of Subcontractor in this regard.
2. Sitework, Earthwork, Utilities, Site Restoration
 - a. Subcontractor shall furnish, install, and maintain for the duration of its Work all erosion and sediment control measures shown and/or otherwise necessary to complete its Work. Subcontractor shall remove and dispose of erosion and sediment control measures at the completion of its Work, unless otherwise directed by USC project supervision.
 - b. Subcontractor shall perform all Work associated with demolition and/or abandonment of existing facilities complete in all respects, including, but not limited to, coordination of demolition or relocation with applicable local utility companies (i.e. gas, cable, power, telephone, water sewer, etc.) USC and the Owner, asbestos inspections/surveys and abatement/removal, removal or abandonment of existing utilities, , draining and cleaning of conduits, tanks, and basins, disposal and hauling of all materials, removal of concrete, civil/site demolition and removals, architectural and structural demolition and removals,

mechanical demolition and removals, process equipment and process mechanical demolition and removals, flowable fill, dewatering, blocking, capping, and sealing of pipe ends, saw cutting, backfill, lime, compaction, restoration, traffic control, salvage all equipment and materials as requested by the Owner, permits, and all appurtenances shown, specified, or otherwise required for a complete demolition / abandonment in accordance with the Contract Documents. Electrical Subcontractor (Bid Package #3) shall make safe all electrical equipment safe prior to Subcontractor starting demolition.

- c. Subcontractor shall provide, furnish, and install all stripping of topsoil, tree removal, excavation, subgrade preparation, and backfill for all Work including, but not limited to, geofoam fill, purchase of gravel/backfill materials, asphalt, and offsite disposal of all excess excavated materials.
- d. Subcontractor shall provide, furnish, and install all backfill, site cuts, and site fills to grade the site in accordance with the Contract Documents.
- e. Subcontractor shall provide any necessary dewatering.
- f. Subcontractor shall furnish and install all sanitary sewer, raw sewage, force main, stormwater, drain, potable water, natural gas, non-potable water, and any other yard piping/utilities complete including, but not limited to, excavation, dewatering, bedding, backfill, pipe, fittings, valve, wall pipes/sleeves, precast manholes, precast valve vaults, pressure testing, pipe tie-ins, maintenance of traffic, coordination with water and gas utilities, right-of-way permits, and all other items or accessories shown, specified or otherwise required for a complete and functional installation in accordance with the Contract Documents.
- g. Subcontractor shall apply for and obtain all permits, perform all pre-construction meetings, maintain all permits and records on-site, and perform all inspections by a certified Responsible Land Disturber in accordance with the Contract Documents.
- h. Subcontractor is solely responsible for utility location and all necessary pre-excavation provisions. In the event that unmarked utilities or other obstructions are encountered during the Work, Subcontractor shall immediately stop work in the area and notify USC.
- i. Subcontractor shall furnish, install and otherwise provide all modifications to existing utilities or structures including, but not necessarily limited to, relocation of tanks, connections to existing or new structures, demolition, line plugging, design and installation of any temporary operations, bypass pumping, maintenance of pumping and pipeline operations, flow diversion, bulkheads, barriers, stop logs, or any other means necessary in order to complete the work. Subcontractor shall proactively coordinate with USC, the Owner, the Engineer and other subcontractors to plan, coordinate, execute and stabilize all interactions with existing infrastructure or any work that could impact the operability of existing infrastructure.
- j. Subcontractor is responsible for evaluating, developing and submitting plans for all aspects of the Work, including pipeline testing, concrete structure leak testing, buoyance resistance, joint testing, restraint or thrust blocking, construction joint layouts, bypass pumping, cleaning, maintaining all necessary pipe services, grades, slopes, covers, clearances, start-up and testing of equipment, hauling routes, maintenance of traffic, and all other aspects of the work. Submittal of plans and review by USC, the Engineer and/or the Owner does not relieve Subcontractor from overall obligation to conform to all applicable Contract Documents, standards, and regulations.
- k. Subcontractor shall be responsible for all site restoration and finishes including, but not limited to, site cuts/fills, rough grading, fine grading, topsoil, stormwater management areas, seeding, exterior plants and trees, curbs, sidewalks, paving, fencing, concrete aprons, and all other Work specified shown, or otherwise required to restore/finish site in accordance with the Contract Documents.

- l. Owner will retain the services of a qualified testing laboratory to perform code-required testing and special inspections for the Work in accordance with Section 01 45 33 and selected other provisions of the Contract Documents related to field testing. Subcontractor shall coordinate and provide notification as required so that testing and inspections can be properly scheduled. USC and the Owner shall utilize the independent testing data to confirm conformance to the Contract Documents. Subcontractor shall assist with independent testing as needed and will be responsible for resolving any issues indicated by the independent testing.
- m. Subcontractor is responsible for inspecting the existing asphalt condition prior to construction and accounting for the resurfacing or full depth replacement of existing asphalt within their bid, reference Site Plan Note #13 on sheet 01C110.
- n. Subcontractor is responsible for establishing and maintaining all site stakeout and elevation controls.
- o. Temporary dewatering operations associated with the Solids Dewatering Facility upgrades is to be provided by the Town of Wilkesboro (TOW) for a period of 90 calendar days. This Subcontractor will be required to complete all improvements to the Dewatering Building, including equipment startup, testing and commissioning within a 3-month period. Liquidated damages in the amount of \$1,000.00/day will be assessed to this Subcontractor for each day beyond the 90 calendar days it takes to successfully receive, condition, and dewater the feed sludge and discharge the dewatered sludge cake into a collection chute and hauled offsite by Others.
- p. Temporary bypass pumping will be required to allow the influent pump station to be taken out of service, and all costs associated with temporary bypass pumping operations shall be included herein. Duke Energy will install a temporary power drop and electrical service to power the temporary bypass pumping operation, and the cost for the temporary service shall be paid by Others.

3. Concrete

- a. Subcontractor shall furnish and install all Concrete Work complete including, but not limited to, all cast-in-place concrete work, precast and prestressed concrete work, concrete mixing, placing, jointing, and curing, all fine grading and placement of aggregate, formwork, scaffolding, shoring, access/egress provisions, ready mix concrete, grout, admixtures, additives, placement, finishing, repair of surface defects, waterstops, joints, curing, boxouts, setting of embedded items, reinforcing steel, anchorage to concrete, form savers/dowel bar replacements, hot weather concreting provisions, cold weather concreting provisions, mobilization/demobilization, tie patching, rubbing, reveals, watertightness testing of concrete structures, and all other materials, labor, or services necessary for a complete installation in accordance with the Contract Documents.
- b. Subcontractor shall provide all construction joints, contraction joints, expansion joints, waterstops, keyways, joint preparation, joint finishes, and caulking as specified and/or required. Construction joint spacing shall be limited to the lengths specified in the Contract Documents unless otherwise approved by USC and Engineer.
- c. Subcontractor shall furnish and install embedded items. Subcontractor shall be responsible for ensuring proper horizontal control, vertical control, levelness, and alignment of all embedded items. Subcontractor shall furnish and install hydrophilic waterstops around embedded items where required. Subcontractor shall be responsible for providing any temporary supports necessary to avoid damage or displacement of embedded items during forming and placement activities. Subcontractor shall provide twenty-four (24) hours' notice to USC to provide field verification of embedded items. Subcontractor shall be liable for any costs incurred to correct embedded item deficiencies.
- d. Subcontractor shall provide all boxouts and rough-ins required by the Contract Documents and as requested by USC. Subcontractor shall be responsible for proper boxout size, horizontal control, and vertical control.

Subcontractor shall coordinate boxout dimensions and locations with USC and other applicable Subcontractors. Subcontractor shall be liable for any costs incurred to correct boxout deficiencies.

- e. Subcontractor shall coordinate the Electrical Work in its Work Areas with USC and the Electrical Subcontractor (Bid Package #3) as necessary to ensure a complete and operable installation. This coordination includes, but is not limited to, the allowing of embedment of conduit in cast-in-place concrete work and placement of boxouts for electrical raceways in cast-in-place concrete Work.
- f. Subcontractor shall reinforce, form, place and finish all housekeeping pads. Coordinate size and location with USC and Electrical Subcontractor (Bid Package #3).
- g. Subcontractor shall adhere to all placement and curing provisions of the Contract Documents.
- h. Subcontractor shall provide finishes as required by the Contract Documents to the acceptance of USC, Engineer, and the Owner.
- i. Subcontractor shall provide concrete truck wash down area and maintenance of area as shown and/or required. Subcontractor shall properly dispose of all waste concrete and truck wash down material offsite.
- j. Subcontractor shall perform all Watertightness Testing of Concrete Structures as specified.
- k. Subcontractor shall provide any required temporary heating provisions, concrete blankets, etc. necessary to comply with the cold-weather concreting requirements of the Contract Documents and to maintain the Project Schedule.
- l. Subcontractor shall provide any required ice or other cooling systems to comply with the hot-weather concreting requirements of the Contract Documents and to maintain the Project Schedule.
- m. Subcontractor shall provide any casual dewatering required during construction.
- n. Subcontractor shall provide ladders, stair towers, scaffolding, lifts, and or any other equipment necessary for its ingress/egress to and execution of Work.
- o. All on-site, independent testing and inspections shall be provided by Others. Subcontractor shall coordinate and provide notification as required so that testing and inspection services can be properly scheduled. Subcontractor shall provide batch tickets, as specified, for the testing and inspection agency to include in its QA/QC reports. Subcontractor shall provide and maintain cylinder cure box/sheds as required. Should testing yield deficient concrete strength results, Subcontractor shall be responsible for testing of in-situ concrete and any necessary remediation work.

4. Architectural Work

- a. Subcontractor shall furnish and install all Division 4 – Masonry Work complete.
- b. Subcontractor shall furnish and install all Division 5 – Metals Work complete.
- c. Subcontractor shall furnish and install all Division 6 – Wood, Plastics, and Composites Work complete.
- d. Subcontractor shall furnish and install all Division 7 – Thermal and Moisture Protection Work complete.
- e. Subcontractor shall furnish and install all Division 8 – Openings Work complete.
- f. Subcontractor shall furnish and install all Division 9 – Finishes Work complete.

- g. Subcontractor shall furnish and install all Division 10 – Specialties Work complete.

5. Plumbing and HVAC

- a. Subcontractor shall furnish and install all plumbing work complete including, but not limited to, domestic water piping, sanitary waste and vent piping, natural gas piping, fittings, valves, isolators, penetrations, anchorage and blocking, fixtures, equipment, supports, anchors, flashing, seals, water heaters, expansion devices, access doors or panels in walls, floors, and ceilings, cathodic protection, insulation, identification, testing, cleaning, disinfection and purging, and all other appurtenances specified, shown, reasonably inferred, or otherwise required for a complete and operable installation in accordance with the Contract Documents.
- b. Subcontractor shall furnish and install all HVAC work complete including, but not limited to, duct and fittings, supports and hangers, turning vanes, flexible connections, access doors, volume extractors, flexible duct, drain pans, acoustical liners, dampers, diffusers, air grille and registers, intake hoods, filters, temperature controls, air terminal units, duct sealers, louvers, fans, screens, unit heaters, gas heaters, electric heaters, duct heaters, makeup air units, thermostats, hoods, curbs, remote control stations, control boxes, pumps, flow equipment, air compressors and auxiliary devices, instrument air piping/tubing, filters/regulators, valves, operators, pneumatic control instruments, electric control instruments, industrial controllers, gauges, temperature controls, corrosion protection, grilles, duct accessories, instrumentation and controls, testing, adjusting, and balancing, and all other appurtenances specified, shown, reasonably inferred, or otherwise required for a complete and operable installation in accordance with the Contract Documents.

6. Process Mechanical & Equipment

- a. Subcontractor shall furnish and install all process mechanical systems complete including, but not limited to, pipe and fittings, pipe support systems, copper pipe, ductile iron process pipe, stainless steel pipe, plastic pipe, high-density polyethylene process pipe, control valves, fabricated stainless steel slide gates, gate valves, plug valves, ball valves, butterfly valves, check valves, actuators, heat tracing systems including heating cable, heat tracing control panels, and pipe, duct and equipment insulation, supports, hardware, and all other accessories and appurtenances specified, shown, reasonably inferred, or otherwise required for a complete and operable installations in accordance with the Contract Documents.
- b. Subcontractor shall furnish and install all Hoists, Trolleys, and Monorails complete including, but not limited to, trolleys, hoists, hand chain and wheels, hooks, bearings, clutches, latches, limits, identifications, monorails, stops, splices, supports, chain containers, warning signs, finishes, inspections, field startup, testing, commissioning, training, spare parts, and all other accessories and appurtenances specified, shown, reasonably inferred, or otherwise required for a complete and operable installations in accordance with the Contract Documents.
- c. Subcontractor shall furnish and install all Process Equipment complete including, but not limited to, Pumping Equipment, Torque Flow Overhung Horizontal Centrifugal Pumps, Double Disc Sludge Pumps, Progressive Cavity Pumps, Sump Pumps, Submersible End-Suction Sewage Pumps, Polyethylene Tanks, Aluminum Covers – Surface Mounted Channel Type, Mechanically Cleaned Screens – Flow-Through Perforated Plate Type, Screenings Washer Compactor, Hydraulic Screenings Sluiceway, Grit Washing and Dewatering Equipment, Ultraviolet Disinfection System Equipment, and all other controls, accessories, and appurtenances specified, shown, reasonably inferred or otherwise required for a complete and operable installation in accordance with the Contract Documents without exception.
 - i. Subcontractor shall be responsible for unloading, inspecting, short-term and/or long-term storage and preventative maintenance as required by the manufacturer and Contract Documents, installation, assistance with startup, testing, training, and final cleaning as it relates to the Aerobic Granular Sludge (AGS) System by Aqua-Aerobic Systems, Inc. (AASI) which is to be furnished by Others and installed by this Subcontractor. Reference Appendix K for

AASI's scope of Work and services to be supplied on the Project. Subcontractor shall be responsible for reviewing AASI's scope of supply and shall furnish all materials, equipment, tools, labor, supervision, general requirements and services required to complete the Work are the responsibility of Subcontractor, and the omission of any reference to a portion of the Work within this Agreement shall not be construed to limit the responsibility of Subcontractor in this regard. Subcontractor shall be responsible for the initial sludge seeding of the AGS tanks which will require a means of transferring seed from the existing Aeration Basins to the AGS tanks.

ii. Subcontractor shall be responsible for unloading, inspecting, short-term and/or long-term storage and preventative maintenance as required by the manufacturer and Contract Documents, installation, assistance with startup, testing, training, and final cleaning as it relates to the Dewatering Screw Presses (Specification 46 76 27) which will be furnished by Others and installed by this Subcontractor.

- q. Subcontractor shall be responsible for all alignment, balancing, start-up, field testing, functional testing, performance testing, vibration testing, commissioning, and operational demonstrations as specified. Subcontractor shall coordinate with USC and Electrical Subcontractor (Bid Package #3) as necessary. Subcontractor shall provide all testing equipment, materials, or third-party services to complete these services as necessary including the conveyance and disposal of water utilized for commissioning.
- d. Subcontractor shall furnish and install all in/under slab/mat foundation, above grade, and interior or exterior exposed process mechanical piping systems complete including, but not limited to, all pipe, fittings, flanges, couplings, flanged coupling adapters, dismantling joints, expansion joints, gaskets, nuts, bolts, studs, restraint systems, saddles, pipe coatings, linings, valves, supports, hangers, anchors, hardware and all other appurtenances specified, shown, reasonably inferred, or otherwise required for a complete and operable installation in accordance with the Contract Documents.
- e. Subcontractor shall test all installed process mechanical systems in accordance with the Contract Documents. Subcontractor shall provide all blind flanges, caps, plugs, certified gauges, test pumps, etc. necessary to complete the required testing. Conveyance and disposal of testing water shall be the full responsibility of the Subcontractor. Under slab and embedded piping shall be successfully tested prior to placement of concrete. Subcontractor shall coordinate such testing with USC and other subcontractors as required.
- f. Subcontractor shall provide all labeling and identification associated with process mechanical piping systems including, but not limited to, pipe markers, valve tags, and valve tag directories.
- g. Subcontractor shall install all in-line instrumentation provided by Others complete including, but not limited to, flow meters, isolation rings, diaphragm seals, instrument isolation valves, pressure gauges, pressure switches, and pressure transmitters. Subcontractor shall coordinate its piping systems to incorporate these components in accordance with Contract Documents and the manufacturer's recommendations. Subcontractor shall provide all necessary hardware, gaskets, and other appurtenances necessary to install this instrumentation in accordance with the Contract Documents and the manufacturer's recommendation.
- h. Subcontractor shall install all process elements of non-in-line instrumentation supplied by the Others complete including, but not limited to, level instruments, panel mounted instruments, process analytical measurement instruments, and all other miscellaneous instruments and appurtenances provided. Subcontractor shall furnish and install all necessary pipe, fittings, stilling wells, supports, hardware, anchors, labeling, nameplates, and/or other appurtenances necessary to install this instrumentation in accordance with the Contract Documents and the manufacturer's recommendations.

7. General Clarifications

- a. The Electrical Scope of Work will be furnished by the Electrical Subcontractor (Bid Package #3) including electrical demolition and underground electrical ductbanks including associated, excavation, concrete, and

reinforcing steel. Subcontractor shall coordinate and schedule the Electrical Subcontractor as required with USC to complete the Work.

- i. Subcontractor shall be responsible for patching all holes in walls, floors, and ceilings associated with the removal of the electrical items.
 - ii. Subcontractor shall provide all sitework surveying layouts and elevation controls for Electrical Subcontractor as required.
 - iii. Subcontractor shall properly coordinate with Electrical Subcontractor and USC as required to properly sequence the Work.
- b. Drawing Series 91 Control Building is by Others (Bid Package #7) and shall be substantially complete within 15 months of NTP. General Notes 2 and 3 on Sheet 91A201 are also included within the scope of work for Control Building Subcontractor.
 - i. Subcontractor shall provide construction stakeout of Contract Points No.'s 7, 172, 174, 6, 102, and 103 as it relates to the Control Building Facility to be furnished by Control Building Subcontractor.
 - ii. Control Building Subcontractor is responsible for furnishing and installing the 2" CW below grade exiting the Control Building up to and including BFP-9101 and shutoff valves which will be the tie-in interface between Bid Packages #1 and #7 scopes of Work.
 - iii. Control Building Subcontractor shall provide the below grade 4" BLDG SAN 1-ft past the cleanout exiting the Control Building which will be the tie-in interface between Bid Packages #1 and #7 scopes of Work.
 - iv. SCADA Configuration and Systems Integration Services associated with Series 91 Control Building are provided by Others (Piedmont Automation). Reference Appendix K.
- c. Subcontractor is responsible for planning and performing a comprehensive project start-up, including, but not limited to, O&M manuals, manufacturer certificates of proper installation, manufacturer's services, training, testing, operational testing, Owner's testing, equipment and functional testing, equipment performance testing, reliability demonstration testing, pre-operational component inspections as shown, specified, and/or required for a complete and operable installation in accordance with the Contract Documents. The start-up shall include utilization and incorporation of project components, which may have been furnished and completed by Others, to demonstrate complete operability of all mechanical, electrical, instrumentation, and controls systems for the Project.
- d. Subcontractor shall perform all required pressure/leak testing associated with the pipeline work and water retaining structures including, but not limited to, the provision and disposal of all test water, blinds, plugs, caps, certified gauges, test trees, hoses and any other accessories, safety barricades and public protection, and any other items, materials or services required. Subcontractor shall provide USC a project-wide testing plan submittal before the commencement of any pipeline installation work, which shall illustrate Subcontractor's plan for pressure/leak testing the pipelines, performing and documenting each test, and the proposed sequence of pipe laying, testing and backfilling. Subcontractor is solely responsible for successfully leak testing all pipeline regardless of the submission or approval of the testing plan, work schedules, sequencing of backfill and testing, or any other factors. Subcontractor shall provide at least 48 hours' notice to USC prior to any test.
- e. Subcontractor shall provide at least 48-hour notice to USC for coordination for all third-party testing including all backfill and compaction testing, concrete testing, and asphalt testing. Safe means of access and egress to all work for third party testing technicians, USC, and Owner personnel shall be provided by Subcontractor.
- f. Special Inspections and Testing Program as required in accordance with Section 01 45 33 shall be paid for by Others. Costs of corrective actions and cost of failed test areas requiring re-testing shall be tracked by USC and paid by this Subcontractor. Subcontractor shall provide at least 48-hour notice to USC for coordination for all third-party testing including all backfill and compaction testing, concrete testing,

and asphalt testing. Safe means of access and egress to all work for third party testing technicians, USC, and Owner personnel shall be provided by Subcontractor.

- g. Subcontractor shall coordinate allowable work hours with USC and the Owner prior to commencement of work. Subcontractor will be required to request approval from USC and Owner if construction activity needs to occur outside the allowed work hours and days.
- h. Subcontractor shall provide all administrative, management, and indirect aspects of the Work including, but not limited to, all submittals, lay schedules, RFI's, correspondence, attendance of project meetings as required by USC, scheduling, notifications, permits, notices, quality control, erosion and sedimentation control, implementation and inspections, services of manufacturer's installation specialist, safety management, record documents including as-builts as required, coordination of materials, supplies, deliveries, and subcontractors, Owner's training, spare parts, warranties, performance as specified, water, power, fuels, restroom and handwashing facilities, office space, storage, laydown, meeting space, public protection, parking, temporary operations, dumpsters and/or trash removal, hot or cold weather provisions, weather protection, and all other items necessary to fully complete the Work in a turnkey manner. The omission of any considerations herein does not absolve the Subcontractor of its requirements to complete its Work. Subcontractor may be required to interface directly with Owner's inspection staff or third-party testing agencies, and shall keep USC apprised of all meetings, discussion, and conversations in a timely manner.
- i. Complete submittals including product data, shop drawings, details, lay schedules, and all required information shall be received by USC on or before a reasonable date as requested and/or required by USC, notwithstanding any long lead items or materials which may require submittal approval prior to this date in order to support the Project Schedule. Subcontractor is solely responsible for generating and submitting all shop drawings complete and in a timely manner to support the construction schedule.
- j. In addition to product data submittals as indicated in the Contract Documents, the Subcontractor shall also provide the following plan submittals to fully detail the proposed Work plans associated with the following activities such that USC, the Owner(s), and other parties may fully understand, review, comment and proactively address any concerns with the proposed plan of the work well in advance of commencement of the Work activities:
 - i. Influent Pump Station Temporary Bypass Plan
 - ii. Headworks Building Work Plan
 - iii. Dewatering Building Work Plan
 - iv. 16" PREFF Tie-in Plan
 - v. Commissioning Plans
 - vi. Other Plan Submittals as requested by USC
- k. Subcontractor shall develop and submit to USC a detailed schedule of its Work for USC's use in compiling the overall Project Schedule on or May 15, 2025. Subcontractor shall provide schedule in sufficient detail to accurately plan and forecast its Work and progress thereof, and to satisfactorily provide notice to the Owner and authorities having jurisdiction for timing of traffic impacts, service outages, private property access, tie-ins and other aspects of the work affecting the public, private property owners or other Subcontractors. Duration of individual activities shall not be longer than five (5) working days.
- l. Subcontractor shall be solely responsible to determine construction procedure and sequence to ensure safety and integrity of all existing utilities and services while meeting the Project Schedule and completion milestones.
- m. Subcontractor shall assist in coordinating electrical and I&C requirements with the Electrical Subcontractor (Bid Package #3) and Piedmont Automation (SCADA Integrator) to ensure all equipment

supplied is compatible, designed and/or equipped for the electrical services indicated within the Contract Drawings including, but not limited to, the appropriate voltage, appropriate amperage, and the conduit and wire type, size, length, and quantities. Coordinate with Electrical Subcontractor and Piedmont Automation such that all process equipment furnished under this Subcontract is compatible and will meet and/or exceed the contract specified performance requirements.

- n. The Electrical Subcontractor (Bid Package #3) will provide four (4) 200A office trailer hookups and eight (8) 60A power tool stations at the site. Subcontractor shall coordinate location of power tool stations with the Electrical Subcontractor.
- o. The office trailers will be located by the existing Equipment Building (Blue Building) near the AGS Tanks and Control Building. Duke Energy will install a temporary power drop and service at this location, and the cost for the new service shall be paid by Others. The subcontractor shall coordinate with Duke Energy as necessary.
- p. Subcontractor shall provide all DIVISION 01 – General Requirements as applicable to the items which are furnished under this Subcontract.
- q. All weather-related construction costs associated with this scope of work are specifically included.
- r. Subcontractor shall provide all warranties, guarantees, service contracts and maintenance contracts in accordance with the Contract Documents including all applicable extended warranties for equipment and materials furnished under this Subcontract.
- s. Work must be completed in distinct phases due to plant operational requirements, physical proximity considerations, requirements of USC and/or the requirements of the Contract Documents and Project Schedule. Subcontractor shall perform all Work in accordance with these limitations and in accordance with the Project Schedule, and revisions thereto. Subcontractor shall provide and install all temporary measures needed to maintain station operations as required.
- t. Subcontractor is advised that the site is located within a 100-year flood plain. Subcontractor shall be responsible for proper storage of all materials and equipment to be permanently incorporated into the Project under this Subcontract.
- u. Subcontractor shall furnish and perform all necessary and required surveying and field layout for the Work required herein.
- v. Subcontractor shall apply for and obtain all permits and business licenses required for all is work on this project. The cost of these permits is specifically included in the Subcontract Price.
- w. Repair of any and all Subcontractor caused damages by its crew(s) and/or subcontractor(s) is specifically included in the Subcontract Price.
- x. Progressive and final cleanup of the Subcontractors work is specifically included in the Subcontract Price.
- y. Subcontractor shall provide waste dumpster services and portable restrooms services including hand washing stations for use by all subcontractors at all times while work is being performed. Dumpsters shall be emptied as required to maintain a clean jobsite or as directed by USC.

- z. Subcontractor shall provide a comprehensive Site-Specific Safety Plan (SSSP) to USC prior to the start of its work. Subcontractor shall comply with all applicable safety rules and regulations during the performance of the work.
- aa. Subcontractor shall provide a comprehensive Quality Control Plan to USC prior to the start of its work. Subcontractor shall comply with the approved Quality Control Plan during the performance of the work.
- bb. Subcontractor is required to maintain site access for all plant chemical deliveries, dewatered sludge hauling, leachate deliveries to the plant, and septage deliveries.
- cc. Subcontractor shall staff the project with the appropriate management and field labor to ensure compliance with the project requirements as it relates to safety, quality, and schedule. While it will be up to the Subcontractor to determine overall size and makeup of their staff, Subcontractor, at a minimum, will provide the following personnel that will be assigned to the project full-time with 100% of their time dedicated to their designated position. Resumes for the proposed supervision shall be approved by USC prior to beginning work on the site.
 - 1. Project Manager
 - 2. Superintendent
- dd. Subcontractor is made aware that the TOW Wastewater Treatment Plant will become a campground for the 2025 MerleFest music festival, hence Subcontractor will not be authorized to proceed with mobilization to the site before May 5, 2025.
- ee. All applicable fuel surcharges, escalations and sales and use taxes for all labor, materials and equipment furnished by the Subcontractor are included in the lump sum price for this Subcontract.
- ff. Insurance certificates, including Professional Liability Coverage, shall be submitted to USC with the signed Agreement.
- gg. Payment and performance bonds are specifically included in this Subcontract. All bonding information shall be submitted to USC not later than five (5) calendar days after the date of this Agreement.
- hh. Subcontractor Special Terms and Conditions, Exhibit "S," is attached to and forms an integral part of this Subcontract Agreement.

Exclusions

The only work that is excluded from this Subcontract shall be:

- 1. Electrical work provided under Bid Package #3.
- 2. Series 91 Control Building provided under Bid Package #7.
- 3. SCADA Configuration and Systems Integration Services are provided by Others (Piedmont Automation). Reference Appendix K.
- 4. The Aerobic Granular Sludge (AGS) System provided by AASI will be furnished and paid for by Others. Reference Appendix K.
- 5. Special Inspections and Testing Program as required in accordance with Section 01 45 33 shall be paid for by Others.
- 6. The Dewatering Screw Presses equipment (Specification Section 46 76 27) will be furnished and paid for by Others.

Bid Alternates

At USC's option, any of the following alternates may be included in this Subcontract Amount by Change Order for the stated amount. Subcontractor shall not proceed with any work associated with the following alternates without written direction from USC. The stated amounts include all related costs, overhead, profit, bond premiums, and insurance.

1. **ALT #1:** Subcontractor shall furnish all labor, material, tools, equipment, design, and supervision required to install one (1) Flow Equalization Pump Station [FEQP-1301] per Section 43 23 15. This additive item includes furnishing and installing one (1) self-priming centrifugal pump station and other items for returning wastewater from the flow equalization basin to the Headworks Structure. Refer to Sections 43 23 15, 01 23 00, 40 61 13, 40 61 93A, 40 61 96, 40 67 00A, 40 70 06A and Contract Drawings 00G005A, 01E100, 01E101, 11D101, 11D102, 11D103, 11D301, 11D302, 13D101, 13D301, 13E101, 97E603, 97Y612.
2. **ALT #2:** Subcontractor shall furnish all labor, material, tools, equipment, design, and supervision required to install one (1) Dewatering Screw Press No. 2 [SP-8006], one (1) polymer blending system [PBS-8004], and other piping, items, materials, etc. within the existing Dewatering Building. Refer to Sections 01 23 00, 40 61 13, 40 61 93A, 40 70 06A, 40 71 00, 46 76 27 and Contract Drawings 00G006A, 80D101, 80D301, 80E101, 80E601, 80E602, 97E607, 97Y622, 97Y624.
3. **ALT #3:** Subcontractor deduct offer if awarded both BP-01 and BP-07 bid packages.

Allowances

The following allowances are included in the amount of this Subcontract. Subcontractor shall not proceed with any work associated with these allowances without prior written direction from USC. Work tickets shall be verified daily by USC's Superintendent.

1. Not applicable.

Unit Prices

The following unit prices are included in this Subcontract Amount in accordance with the Contract Documents. Subcontractor shall not proceed with any work associated with the following unit prices without prior written direction from USC. Contingent unit price items are solely for additional Work not contemplated or reasonably inferred by the Contract Documents to be included in the Scope of Work defined by this Subcontract Agreement. The stated amounts include all related costs, overhead, profit, bond premiums, and insurance.

1. **CUP #1:** Subcontractor shall provide all work required to perform Type I (Thin) concrete surface repair of spalled, delaminated, or deteriorated concrete up to 1.5 inches deep below concrete's original surface, beyond what is included in the base bid as described above, as directed by USC Project Supervision for the firm unit price of \$___/SF. A total of 1,000 SF of contingent additional Type I concrete surface repair is included in the Subcontract Price.

2. **CUP #2:** Subcontractor shall provide all work required to perform Type II (Moderate) concrete surface repair of spalled, delaminated, or deteriorated concrete greater than 1.5 inches deep to 3 inches below original concrete surface, beyond what is included in the base bid as described above, as directed by USC Project Supervision for the firm unit price of \$____/SF. A total of 1,000 SF of contingent additional Type II concrete surface repair is included in the Subcontract Price.
3. **CUP #3:** Subcontractor shall provide all work required to perform Type III (Severe) concrete surface repair of spalled, delaminated, or deteriorated concrete greater than 3 inches below original concrete surface, beyond what is included in the base bid as described above, as directed by USC Project Supervision for the firm unit price of \$____/SF. A total of 1,000 SF of contingent additional Type III concrete surface repair is included in the Subcontract Price.
4. **CUP #4:** Subcontractor shall provide all work required to perform Type A Expansion Joint Repair of existing expansion joint material including removing existing backer rod, joint filler, and sealant and providing materials and repair, in accordance with Section 03 01 30, beyond what is included in the base bid as described above, as directed by USC Project Supervision for the firm unit price of \$____/LF. Expansion joint repair not designated in the Contract Documents as other types is Type A unless otherwise directed by USC or Engineer. A total of 500 LF of contingent additional Type A Expansion Joint Repair is included in the Subcontract Price.
5. **CUP #5:** Subcontractor shall provide all work required to perform Type B Expansion Joint Repair for sealing existing expansion joints by providing new epoxy resin adhesive sealant system over existing expansion joints, beyond what is included in the base bid as described above, as directed by USC Project Supervision for the firm unit price of \$____/LF. A total of 500 LF of contingent additional Type B Expansion Joint Repair is included in the Subcontract Price.
6. **CUP #6:** Subcontractor shall provide all work required to perform Type C Expansion Joint Repair for sealing existing expansion joints by providing new polyurethane joint sealing system over existing expansion joints, beyond what is included in the base bid as described above, as directed by USC Project Supervision for the firm unit price of \$____/LF. A total of 500 LF of contingent additional Type C Expansion Joint Repair is included in the Subcontract Price.
7. **CUP #7:** Subcontractor shall provide additional general labor, beyond what is included in the base bid as described above, as directed by USC Project Management Supervision for the firm unit price of \$____/MH. A total of 500 MH of contingent additional general labor is included in the Subcontract Price.
8. **CUP #8:** Subcontractor shall provide additional process mechanical labor, beyond what is included in the base bid as described above, as directed by USC Project Management Supervision for the firm unit price of \$____/MH. A total of 500 MH of contingent additional process mechanical labor is included in the Subcontract Price.

WILKESBORO WWTP EXPANSION

Q&A Log



21031 Wilkesboro WWTP Expansion Project
Submitted Bidder Questions Tracking Log

#	Date Rec'd	Bid Package Reference	Reference (Dwg, Spec, etc.)	Question / Description	Resolution / Response Comment
1	11/20	BP-07	General	What is the likelihood a bid date after the holidays would be entertained?	Bid Date is revised to January 9, 2025 at 2:00pm.