

ADDENDUM NO. 2
FOR
CONTRACT NO. 3 – WASTEWATER TREATMENT PLANT
AND EDF EXPANSION AT GERALDINE AND SECTION
FOR
THE WATERWORKS, SEWER AND GAS BOARD OF THE TOWN OF SECTION

SEPTEMBER 25, 2024

TO: ALL PLAN HOLDERS AND INTERESTED PARTIES

SUBJECT: Plans, Specifications, and Contract Documents are hereby amended, modified, and changed as follows:

- I. Reference Part II, Bid Form, Page II-2, 3.02 Unit Price Bids
 - A. Add Stated Allowance for United Controls Corporation (UCC), Chris Gray for SCADA Integration.

Processes and installation of all required materials and labor to incorporate monitoring and controls of added equipment in Contract No. 3. Include as a Stated Allowance for UCC a total of \$25,000 for Bid Item No. 1 and \$25,000 for Bid Item No. 4, for a total of \$50,000.

- II. Reference Part VI – Technical Specifications, Division No. 11 – Equipment, Section 11393 – Packaged Fixed Film Aerobic Process Wastewater Treatment Facility, Page 11393-5, Paragraph 2.04 D. and 2.04 F.F
 - A. Change to read as follows:
 - 2.04.D. The pump shall be rated at 175 GPM at 12' TDH, 1.0 HP, 460 volt, three phase (provided by facility manufacturer.

 - 2.04.F. Motors shall be listed for use in a Class 1, Division 1, Group C & D environments.

2.04.G. Liquid level sensors shall utilize intrinsically safe circuitry suitable for use in a Class 1 Division 1, Group C & D environment.

2.04.H. Manufacturer: The flow equalization pumps shall be Myers Model No. 3VX or approved equal as provided by wastewater treatment plant manufacturer.

III. Reference Part VI – Technical Specifications, Division No. 2 – Sitework, Section 02748 – Effluent Disposal Field (EDF), Page 02748-4

A. Add Paragraph 2.13 Effluent Header Pressure Sensor

2.13 Effluent Header Pressure Sensor

A. A pressure transducer shall be installed in the drip irrigation piping prior to the distribution manifold in the Control Building.

B. Model: Rosemount Model 2088G2S22A1M5B4, or approved equal.

IV. Reference Part VI – Technical Specifications, Division No. 16 – Electrical, Section 16481 – Motor Controller, Pages 16481-2, 16481-3

A. Revise Paragraph 2.03.D. to read as follows:

D. Normal duty drives shall be rated to withstand a 110% overload for 1. Heavy duty (contestant torque) drives shall be rated to withstand a 150% overload for 60 seconds.

B. Revise Paragraph 2.03 O. to read as follows:

O. Individually mounted drives shall be installed in NEMA 1 enclosures with operator devices mounted on the enclosure front.

C. Add Paragraph 3.03 Commissioning to read as follows:

3.03 Commissioning

A. Manufacturers of solid state reduced voltage starters and variable speed drives shall provide a certified technical service representative to supervise the Contractor's installation, testing, and start-up of the AC Drive(s) furnished under this specification.

V. Reference Exhibits

- A. Add Stated Allowance for Geraldine WWTP Equipment, Exhibit "A".
- B. Add Stated Allowance for Section WWTP Equipment, Exhibit "B".

VI. Reference Plans

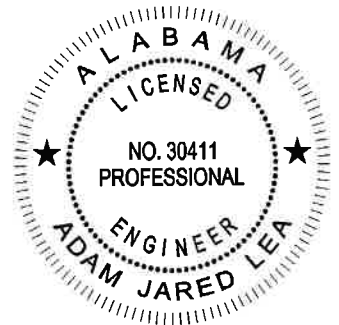
- A. Replace Plan Sheets 2, 3, 7, 8 and 10 with attached sheets 2, 3, 7, 8 and 10 marked as "Addendum No. 2".
- B. Replace Structural Sheet S3 and S4 with attached Structural Sheets S3 and S4 marked as "Addendum No. 2".
- C. Replace Mechanical Sheet M00 with attached Mechanical Sheet M00 marked as "Addendum No. 2".
- D. Replace Electrical Sheets E-1 – E-11 and E13 with attached Electrical Sheets E-1 – E-11 and E-13 marked as "Addendum No. 2".

THIS ADDENDUM ISSUED THIS 25th DAY OF SEPTEMBER, 2024.

LADD ENVIRONMENTAL CONSULTANTS, INC.

Adam Lea

Adam Lea, P.E.





INFILTRATOR®
water technologies

09/11/2024

Dale's Backhoe & Septic Service
5151 Mount Hebron Rd
Eclectic, AL 36024

Re: Q24-0074 Geraldine WWTP Phase 2 Quote RevA

Dear Dale,

Infiltrator Water Technologies (IWT) is pleased to offer the following ECOPOD treatment system quote for the referenced project. A system design summary and outline of quoted equipment is provided below for your use. Proper performance of the system is dependent on the accuracy of the parameters listed below, as well as proper installation, operation, and maintenance.

DESIGN SUMMARY

The quoted system has been designed based on the parameters outlined below (as provided or confirmed by the Engineer of Record).

Parameter	Influent	Effluent (30-d Avg.)	Units
Average Daily Flow (ADF)	60,000	-	GPD
pH	7.0-8.0	-	-
BOD ₅	320	30	mg/L
TSS	320	30	mg/L
TKN	75	30	mg/L

Parameter	Design Value	Units
Min. Wastewater Temperature	20	°C
Max. Air Temperature	115	°F
Elevation	1,194	ft AMSL
Relative Humidity	20% - 100%	-

Dale's Septic Service, Inc

Estimate

5151 Mt. Hebron Rd.
Eclectic, AL 36024

Date	Estimate #
9/11/2024	1477

Name / Address
Ladd Environmental Consultants, Inc. Darrell Sears

Project

Description	Rate	Total
<p>STATED ALLOWANCE</p> <p>GERALDINE WWTP</p> <p>TREATMENT STYSTEM The Following Items are Provided as Part of this Quote</p> <p>TANKAGE All Systems are to be Installed in Customer Furnished Cast-in-place Concrete Tanks (By Others) with all Site Installation Work by Others</p> <p>FLOW EQUALIZATION 2- Myers 4VX 1HP Explosion Proof Solids Handling Pumps, Duplex Alternating Operation 4- Opti-float Standard Floats, Float Bracket</p> <p>ECOPOD TREATMENT SYSTEM 4- ECOPOD E1600S Reactors Single Stacked Wastewater Media in Stainless Steel Reactor Boxes Adjustable Legs for Inlet Height Adjustment Internal Air Distribution Piping (External Tank Piping by Others) 6' Outlet Weir Trough(s) Estimated Weigh = 3,472 lbs. each 1- Main Aeration Duplex Blower/Motor Packages (One Duty/One Standby) Gardner Denver 7L Positive Displacement Blower 20 HP Motor Mount Plate, Discharge Piping, Belts, Sheaves, & A Belt Guard, PD13 Package (Indoor Installation)</p> <p>CONTROL PANEL 1- NEMA 4X Control Panel to Operate all IWT- Supplied Equipment & the Following Equipment Provided by Others, Flow EQ Pumps, Dosing Pumps. Controls will be Cabinets only with PLC, No VFDs or Starters will be Provided Based on Customer Preference of Supplying their Own MCC. PLC Programming by IWT.</p>	1,692,306.00	1,692,306.00
Total		

Dale's Septic Service, Inc

5151 Mt. Hebron Rd.
Eclectic, AL 36024

Estimate

Date	Estimate #
9/11/2024	1477

Name / Address
Ladd Environmental Consultants, Inc. Darrell Sears

Project

Description	Rate	Total
Poured in Place Tank Per Engineer Design 60,000 GPD WWTP Crane Rental 300' 4" sch 40 4" Fittings 80' 6" sch 40 6" Fittings Pump, Piping & Check Valves Labor **Owner Supplies Equipment Building & Power		
Total		\$1,692,306.00

Delta Treatment Systems, LLC
 9125 Comar Dr.
 Walker, LA 70785



09/11/2024

Dale Mask
 Dale's Backhoe
 Eclectic, AL

Re: Q24-0075 Section WWTP Phase 3 Quote Rev3

Dear Dale,

Delta Treatment Systems is pleased to offer the following ECOPOD treatment system quote for the referenced project. A system design summary and outline of quoted equipment is provided below for your use. Proper performance of the system is dependent on the accuracy of the parameters listed below, as well as proper installation, operation, and maintenance.

DESIGN SUMMARY

The quoted system has been designed based on the parameters outlined below (as provided or confirmed by the Engineer of Record).

Parameter	Influent	Effluent (30-d Avg.)	Units
Average Daily Flow (ADF)	45,000	-	GPD
pH	7.0-8.0	-	-
BOD ₅	300	30	mg/L
TSS	300	30	mg/L

Parameter	Design Value	Units
Min. Wastewater Temperature	20	°C
Max. Air Temperature	115	°F
Elevation	1,240	ft AMSL
Relative Humidity	20% - 100%	-

TREATMENT SYSTEM

The following items are provided as part of this quote:

Tankage

- All systems are to be installed in customer furnished cast-in-place concrete tanks (by others) with all site installation work by others.

Dale's Septic Service, Inc

Estimate

5151 Mt. Hebron Rd.
Eclectic, AL 36024

Date	Estimate #
9/11/2024	1476

Name / Address
Ladd Environmental Consultants, Inc. Darrell Sears

Project

Description	Rate	Total
STATED ALLOWANCE	1,410,338.00	1,410,338.00
SECTION WWTP PHASE 3		
PRIMARY TANK COMPONENTS		
5- Primary Tank Effluent Filters Polylok PL525		
FLOW EQ COMPONENTS		
1- Flow EQ Duplex Pump Station (One Duty/One Standby) Myers 3WHV 1 HP Explosion Proof pumps (Or Equivalent) Opti-Floats, Float Bracket		
ECOPOD TREATMENT SYSTEM		
3- ECOPOD E1600S Reactors Single Stacked Wastewater Media in Stainless Steel Reactor Boxes Adjustable Legs for Inlet Height Adjustment Internal Air Distribution Piping (External Tank Piping By Others) 6' Outlet Weir Trough(s) Estimated Weigh = 3,840 lbs. each		
1- Main Aeration Duplex Blower/Motor Packages (Three Duty/ One Standby) Gardner Denver 4L Positive Displacement Blower 5 HP Motor Mount Plate, Discharge Piping, Silencer Package, Blower, Motor, & Belt Guard (Indoor Installation)		
DOSING COMPONENTS		
1- Dosing Duplex Pump Station (One Duty/One Standby) Myers The Ranger 5 HP Pumps OptiFloat Floats & Float Bracket		
CONTROL PANEL		
1- NEMA 4x Control Panel to Operate all IWT-supplied Equipment Including Blowers, Flow EQ Pumps, & Dosing Pumps. Controls will be Cabinets Only with PLC, No VFDs or Starters will be Provided Based on Cutomer Preference of Supplying their Own MCC. Unitronics		
	Total	

Dale's Septic Service, Inc

Estimate

5151 Mt. Hebron Rd.
Eclectic, AL 36024

Date	Estimate #
9/11/2024	1476

Name / Address
Ladd Environmental Consultants, Inc. Darrell Sears

Project

Description	Rate	Total
PLC Programmed by IWT. Poured In Place Tank Per Design WWTP 45,000 GPD Crane Rental 200' 4" sch 40 4" Fittings 60' 6" sch 40 Fittings Pump, Piping & Check Valves Labor **Owner Supplies Equipment Building & Power**		
Total		

Dale's Septic Service, Inc

Estimate

5151 Mt. Hebron Rd.
Eclectic, AL 36024

Date	Estimate #
9/11/2024	1476

Name / Address
Ladd Environmental Consultants, Inc. Darrell Sears

Project

Description	Rate	Total
	Total	\$1,410,338.00