Goforth Williamson, inc.

SUBMERSIBLE PUMP PREVENTATIVE MAINTENANCE AGREEMENT

1. SCOPE OF SUPPLY

Goforth Williamson, Inc., herein known as GWI, will provide all labor and materials as required by the attached 23 Point Submersible Pump Preventative Maintenance Inspection (Exhibit C). The work performed will be scheduled with the equipment owner per their preference during regular working business hours. Work to be performed at the lift stations referenced in Exhibit A.

2. TERMS

All labor and supplies required to perform the 23 Point Submersible Pump Preventative Maintenance Inspection will be supplied by GWI at no additional cost. Upon performance of the 23 Point Submersible Pump Preventative Maintenance Inspection should any additional pump parts/associated materials or labor be required, GWI will provide a detail cost for approval by owner before proceeding. A workmanship warranty of one year will be supplied for the 23 Point Submersible Pump Preventative Maintenance Inspection. This Preventative Maintenance Agreement excludes any damage caused by others or any acts of God. GWI assumes no liability for loss time of operation of the equipment due to performing Preventative Maintenance Agreement.

3. REQUIREMENTS

Owner shall mark which of the following resources will be available upon arrival of GWI personnel:

- Mechanic available to assist in inspection and receive training Y N
- Electrician for assistance in evaluating panel condition Y N
- Water Supply for washing pumps Y N
- 120 volt electric supply Y N
- Supply lifting equipment for pump retrieval Y N

4. REPAIRS

All repairs performed by GWI will be performed per the OEM's Operations and Maintenance Manual. All upgrades and improvements to pumps will be presented to owner for approval. All repairs are covered by a one year from date of start-up warranty on parts and labor.

5. AGREEMENT PRICE

Duration of annual contract is for 2 years. The annual service amount is $3,400.00 per service.

Agreement includes annual inspection and preventative maintenance services performed by GWI on all pumps listed in Exhibit A.

All additional repairs and parts required not listed in 23 Point Submersible Pump Preventative Maintenance Inspection will be in addition to this Agreement amount.

Goforth Williamson, Inc.

6. ATTACHED EXHIBITS

Exhibit A	List of Pump Lift Stations
Exhibit B	List of Equipment trade-in for contract discount
Exhibit C	23 Point Submersible Pump Preventative Maintenance Inspection

7. CANCELLATION POLICY

This agreement can be terminated by owner and/or GWI with 60 days written notice.

APPROVAL AND AUTHORITY TO PROCEED

OWNER

City of Blue Ridge
480 West First St.
Blue Ridge Ga, 30513
E-mail brsewer@etcmail.com

SERVICE PROVIDER

Goforth Williamson, Inc.
373 Odell Road
Griffin, GA 30224

We approve the project as described above, and authorize the team to proceed.

Name	Title	Date

Approved By (Owner) _____ Date _____

Michael D Gibbs 5-17-16
Approved By (GWI) Date

Goforth Williamson, Inc.

Exhibit A:

Pumps to be inspected under the 23 point maintenance inspection.

Station #

1) Flygt 3300.181 88hp duplex
2) Flygt 3102.180 5hp duplex
3) Flygt 3127.181 10hp duplex

Plant Pumps

Flygt 3102.180	5hp	3 pumps each in separate tanks
Flygt 3127.180	10hp	1 each

Exhibit B:

Pumps to be traded in on the second year PM consist of a total of 4 each Flygt 3152.181 20hp pumps that will be taken out of service at the plant. The trade in amount will be $2,200.00 deducted from the second year's annual P.M. service amount if so the City agrees to this contract.

Goforth Williamson, Inc.

Submersible Pump Preventive Maintenance Inspection

Customer _____ Equipment _____ Date _____
Location _____ Job # _____
Pump Tag Information **Motor Tag Information** Inspector _____
Manufacture _____ HP _____ Customer PO _____
Serial # _____ Volts _____
Model # _____ Amps _____
GPM _____ RPM _____
TDH _____
Impeller Code _____
Rotation _____

Panel Information
Drawing # _____
Quote # _____
Serial # _____

1.) Megger insulation check through power cable(s) at contorl panel using megger: _____
Acceptable Range (200-10meg ohms)
Red to Ground _____ mOhms White to Ground _____ mOhms Black to Ground _____ mOhms

Resistance Between Phases
Red to White _____ Ohms Red to Black _____ Ohms Black to White _____ Ohms
2.) Faulty Control Connections? _____
3.) Line Voltage Supply (pump off) R-W _____ W-B _____ B-R _____
4.) Load Voltage Supply (pump on) R-W _____ W-B _____ B-R _____
5.) Amperage Draw Red _____ White _____ Black _____
6.) Discharge PSI: _____
7.) Thermal Protection Circuit: _____ Ohms ok? _____
8.) Leakage Sensor Circuit: _____ Ohms ok? _____
_____ a.Flygt: Blue/Orange: Non-Alarm Resistance Value Around 1.53k Ohms
Alarm resistance Value Around 330k Ohms
_____ b.Dual Probe with Resistor: Non-Alarm Resistance Value Around 330k Ohms
_____ c.Single Probe: Meg Wire to Ground
9.) Problems with lifting pump? _____
10.) Stator Chamber Conditions? _____
11.) Leakage Detector System Condition? _____
12.) Oil Condition? _____
13.) Amount of oil installed? _____
14.) Condition of Impeller? _____
15.) Condition of Wear Rings? _____
16.) Condition of Bearings? _____
17.) Any Damage to Power Cables? _____
18.) Level Sensor Conditions? _____
19.) Shaft Rotation? _____
20.) Condition of Guide Rails and Bracket: _____
21.) Condition of Hatch, Concrete, Gas Vent: _____
22.) Condition of Wet Well: _____
23.) Condition of Discharge Pipe, Check Valves: _____
Recommendations: _____
1.) _____
2.) _____
3.) _____
4.) _____
5.) _____

Inspected By: _____ Date: _____
Customer Signature: _____ Date: _____