AGREEMENT #13265 FOR ENGINEERING SERVICES

This AGREEMENT is entered into by and between Lake County (County) and RJN Group, 200 West Front Street, Wheaton, IL 60187 (hereafter "Engineer").

RECITALS

WHEREAS, Lake County is seeking an Engineer to provide Engineering services for

PW#2013.057 Northwest Lake Sewer Assessment as described in Attachment A; and

WHEREAS, the Engineer is a professional provider of Engineering services; and

NOW, THEREFORE, Lake County and the Engineer AGREE AS FOLLOWS:

SECTION 1. AGREEMENT DOCUMENTS
This AGREEMENT constitutes the entire agreement between the County and the Engineer.

SECTION 2. SCOPE OF SERVICES
The Engineer shall provide engineering services described in Attachment A.

SECTION 3. DURATION
The work shall be completed within 500 days after execution of this Agreement.

SECTION 4. INDEMNIFICATION
The Engineer agrees to indemnify, save harmless and defend the County, their agents, servants, and employees, and each of them against and hold it and them harmless from any and all. lawsuits, claims, demands, liabilities, losses and expenses, including court costs and attorney's fees, for or on account of any injury to any person, or any death at any time resulting from such injury, or any damage to property, which may arise or which may be alleged to have arisen out of Engineer's negligent acts in connection with the services covered by this Agreement. The foregoing indemnity shall apply except if such injury, death or damage is caused directly by the willful and wanton conduct of the County, their agents, servants, or employees or any other person indemnified hereunder.

SECTION 5. INSURANCE
The Engineer must obtain, for the Contract term and any extension of it, insurance issued by a company or companies qualified to do business in the State of Illinois and provide the County with evidence of insurance. Insurance in the following types and amounts is necessary:

- **Worker's Compensation Insurance** covering all liability of the Engineer arising under the Worker's Compensation Act and Worker's Occupational Disease Act at statutory limits.
- **Professional Liability** to include, but not be limited to, coverage for Errors and Omissions to respond to claims for loss there from.
    - **General Aggregate Limit $3,000,000**
    - **Each Occurrence Limit $1,000,000**
- **Automobile Liability:**
    - **Bodily Injury, Property Damage (Each Occurrence Limit) $1,000,000**

Engineer agrees that with respect to the above required Automobile Liability insurance, Lake County shall:

- Be named as additional insured by endorsement to the extent of the negligence of the Engineer;
- Be provided with thirty (30) days notice, in writing, of cancellation of material change;
- Be provided with Certificates of Insurance evidencing the above required insurance, prior to commencement of this Contract and thereafter with certificates evidencing renewals or replacements of said policies of insurance at least fifteen (15) days prior to the expiration of cancellation of any such policies. Forward Notices and Certificates of Insurance to: Lake County Central Services, 18 N. County St, Waukegan, IL 60085-4350.

SECTION 6. AGREEMENT PRICE
Lake County will pay to the Engineer the amount not to exceed $ 282,704.00.

SECTION 7. INVOICES & PAYMENT
Invoices may be submitted for work performed on a monthly basis based upon the percent of work completed in the amount not-to-exceed in Section 6. Submit invoice(s) detailing the services provided. Payments shall be made in accordance with the Local Government Prompt Payment Act.

Engineer will address Invoices to:

Lake County Public Works
650 West Winchester Road
Libertyville, IL 60048-1391
Attn: Russ Rietveld

County will make Payments to:

RJN Group
200 W. Front Street
Wheaton, IL 60187
Attn: Accounts Receivable

SECTION 8. STATEMENT OF OWNERSHIP
The drawings, specifications and other documents prepared by the Engineer for this Project are the property of the County, and Engineer may not use the drawings and specifications for any purpose not relating to the Project without the County's consent, except for the Engineer's services related to this Project. All such documents shall be the property of the County who may use them without Engineer's permission for any current or future Lake County project; provided, however, any use except for the specific purpose intended by this Agreement will be at the County's sole risk and without liability or legal exposure to the Engineer.

The Engineer shall retain its copyright and ownership rights in its design, drawing details, specifications, data bases, computer software, and other proprietary property. Intellectual property developed, utilized, or modified in the performance of the services shall remain the property of the Engineer.

SECTION 9. TERMINATION
The County reserves the right to terminate this Agreement, or any part of this Agreement, upon thirty(30) days written notice. In case of such termination, the Engineer shall be entitled to receive payment from the County for work completed to date in accordance with terms and conditions of this Agreement. In the event that this Agreement is terminated due to Engineer's default, the County shall be entitled to contract for consulting services elsewhere and charge the Engineer with any or all losses incurred, including attorney's fees and expenses.

SECTION 10. JURISDICTION, VENUE, CHOICE OF LAW
This Agreement shall be governed by and construed according to the laws of the State of Illinois. Jurisdiction and venue shall be exclusively found in the 19th Judicial Circuit Court, State of Illinois.

SECTION 11. INDEPENDENT CONTRACTOR
The Engineer is an independent contractor and no employee or agent of the Engineer shall be deemed for any reason to be an employee or agent of the County.

SECTION 12. WARRANTS
The Engineer represents and warrants to the County that none of the work included in this contract will in any way infringe upon the property rights of others. The Engineer shall defend all suits or claims for Engineer's infringement of any patent, copyright or trademark rights and shall hold the County harmless from loss on account thereof.

SECTION 13. ASSIGNMENT
Neither the Engineer nor the County shall assign any duties of performance under this Agreement without the express prior written consent of the other.

SECTION 14. MODIFICATION
This Agreement may be amended or supplemented only by an instrument in writing executed by the party against whom enforcement is sought.

SECTION 15. DISPUTE RESOLUTION
All issues, claims, or disputes arising out of this Agreement shall be resolved in accordance with the Appeals and Remedies Provisions in Article 9 of the Lake County Purchasing Ordinance.

SECTION 16. NO IMPLIED WAIVERS
The failure of either party at any time to require performance by the other party of any provision of this Agreement shall not affect in any way the full right to require such performance at any time thereafter. Nor shall the waiver by either party of a breach of any provision of this Agreement be taken or held to be a waiver of the provision itself.

SECTION 17. SEVERABILITY
If any part of this Agreement shall be held to be invalid for any reason, the remainder of this Agreement shall be valid to the fullest extent permitted by law.

SECTION 18. CHANGE IN STATUS
The Engineer shall notify the County promptly of any change in its status resulting from any of the following: (a) vendor is acquired by another party; (b) vendor becomes insolvent; (c) vendor, voluntary or by operation law, becomes subject to the provisions of any chapter of the Bankruptcy Act; (d) vendor ceases to conduct its operations in normal course of business. The County shall have the option to terminate this Agreement with the Engineer immediately on written notice based on any such change in status.

SECTION 19. DELIVERABLES
The Engineer shall provide deliverables as identified in Attachment A.

IN WITNESS HEREOF, the undersigned have caused this Agreement to be executed in their respective names on the dates hereinafter enumerated.

Lake County:	RJN Group:
_____	Michael N. Young
RuthAnne Hall Purchasing Agent	Michael N. Young, P.E. Principal
Date:_____	Date: 9/23/13

www.rjn.com

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The Choice for Collection System Solutions

September 21, 2013

Mr. Russell Rietveld, P.E.
Senior Civil Engineer
Lake County Department of Public Works
650 West Winchester Road
Libertyville, Illinois 60048

SUBJECT: PROPOSAL FOR PROFESSIONAL ENGINEERING SERVICES
NORTHWEST LAKE FPA FLOW MONITORING

Dear Mr. Rietveld:

RJN Group, Inc. (RJN) is pleased to submit this proposal to the Lake County Department of Public Works (County) for flow monitoring in the Northwest Lake Facility Planning Area (FPA) sanitary sewer system.

PROJECT UNDERSTANDING

The County is interested in gaining a better understanding of the sanitary flows that are entering their wastewater collection system throughout the FPA, particularly excess clear water entering the system during rain events. The main purpose of the flow monitoring is to isolate the main sources of this excess flow.

The County owns and maintains interceptor sewers conveying sanitary sewage to the Village of Fox Lake Water Reclamation Facility (WRF). These interceptors collect sewage from County owned and maintained sewers as well as other local sanitary districts and municipalities.

Through a Request for Qualification (RFQ) process, the County selected RJN to provide flow monitoring services in the Southeast Lake FPA in 2012. Similar to the Southeast Lake FPA, the County is planning to implement a long-term flow monitoring program in the Northwest Lake FPA. Therefore, as part of this proposal, the County will be purchasing the flow meters and lift station flow data collection/transmission units that will be utilized on the project.

PROJECT APPROACH

RJN has coordinated with County staff and thirteen monitoring locations have been selected. Nine of these locations will include new flow meters installed in the sanitary sewer system (similar to the meters installed in the Southeast Lake FPA). Four of the sites are existing lift stations and the data from flow meters at these stations will be utilized. Three of the lift station sites have existing venturi flow meters with chart recorders. The County will install a flow meter at the fourth station.

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The flow meter locations may move slightly depending on their suitability for measuring flow rates as determined through site investigations (see below). The meters will be installed and remain in service for at least 365 days. After the flow monitoring period has ended, RJN will coordinate with County staff on the meters that will remain long term and develop a strategy to continue maintaining and servicing them.

The proposed meter locations are shown on the attached exhibit and are summarized as follows:

Meter 1 – 60" Main Interceptor just upstream of Fox Lake WRF: Monitors all flow from Northwest Lake FPA and any downstream control from the WRF.

Meter 2 – Monaville Road just west of Route 59: Mostly monitors flow downstream of the Monaville Road Lift Station that mostly services the Lake Villa area.

Meter 3 – Helendale Road just north of Rollins Road: Monitors most of the flow north of Rollins Road and is located downstream of Meter 2 and Lift Station 1.

Meter 4 – Downstream of Former Round Lake Sanitary District Plant: Monitors the flow from the former Round Lake Sanitary District and is downstream of Meters 5, 6, 7 and 8 and Lift Station 4. It is upstream of Lift Station 3.

Meter 5 – Sunset Drive just south of Oakwood Drive: Monitors the flow entering the former Round Lake Sanitary District plant from the north (Round Lake Heights and parts of Round Lake Beach).

Meter 6 – Hawthorne Drive just east of Sunset Drive: Monitors the flow entering the former Round Lake Sanitary District plant from the northeast (Round Lake Beach).

Meter 7 – Just east of Sunset Drive and south of Long Lake Drive: Monitors the flow entering the former Round Lake Sanitary District plant from the south (Round Lake). All flow from Round Lake is measured by either Meter 7 or Lift Station 4.

Meter 8 – Catalpa Drive just south of Washington Street: In combination with Lift Station 4, monitors flow from the east and central parts of Round Lake.

Meter 9 – Wilson Road directly west of Long Lake and south of Rollins Road: Monitors the flow from the Lakes Region Sanitary District. It is upstream of the discharge of Lift Station 3. In combination with Lift Station 3, monitors majority of the flow from the south that enters the main Rollins Road interceptor at Wilson Road.

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Lift Station 1 – Petite Lake Lift Station: County lift station located on Route 59 just north of Petite Lake Road that conveys all flow from north of Petite Lake Road. The flow will be monitored by an existing venturi meter through a new Telog R-3314 unit.

Lift Station 2 – Rollins Road Lift Station: County lift station north of Long Lake that generally conveys flow from the area east of Fairfield Road between Monaville Road and Passavant Avenue. The flow will be monitored by an existing venturi meter through a new Telog R-3314 unit.

Lift Station 3 – East Main Lift Station: County lift station south of Long Lake that conveys flow from most of the Round Lake area and is downstream of the former Round Lake Sanitary District. The flow will be monitored by an existing venturi meter through a new Telog R-3314 unit.

Lift Station 4 – Beechwood (Midland) Lift Station: County lift station located on Midland Drive in Round Lake. In combination with Meter 8, monitors flow from the east and central parts of Round Lake. All flow from Round Lake is measured by either Meter 7 or Lift Station 4. The flow will be monitored by a new flow meter to be installed by the County through a new Telog R-3314 unit.

The County has a system of rain gauges throughout the study area that collect hourly rainfall data. It is also important to acquire shorter duration rain intensities for use in an inflow and infiltration (I/I) analysis. As such, RJN will supplement this network by providing two rain gauges (also on telemetry). These rain gauges will be relocated from the Southeast FPA area. The locations will be coordinated with County staff. A combination of the County data and the RJN data will be used for I/I analyses.

Purchase, Installation, & Calibration

RJN is recommending the purchase of the FlowShark TRITON flow meter, manufactured by ADS Environmental Services. This meter includes an in-flow sensor that measures continuous wave peak velocity, uplooking ultrasonic depth, and pressure depth. It also includes a non-intrusive ultrasonic level sensor for flow depth calculations, a wireless modem and an antenna package for wireless transmission of data. These are the same meters currently in operation in the Southeast Lake FPA.

RJN is recommending the purchase of Telog R-3314 (Lift Stations 1, 2 and 3) or R-3307 (Lift Station 4) units to collect the flow data from the lift stations and transmit to the RJN host system. RJN staff will install the Telog units. The wiring from the lift station venturi meters (or the new flow meter at LS 4) that currently is connected to a chart recorder will be connected to the Telog units. The existing chart recorder will remain in operation.

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These Telog units have the capacity to connect additional inputs from the lift station (i.e. wet well level, pump run and pump failure). These connections are not included in this proposal, but technical assistance on the Telog units has been included.

Three rain gauges were purchased as part of the Southeast Lake FPA flow monitoring. Two of these rain gauges will be relocated to the Northwest FPA as part of this project.

RJN field technicians will visit the targeted meter locations. Meter site investigations are necessary to evaluate hydraulic flow characteristics and sensor stability to ensure that conditions are suitable for measuring flow rates. The field crew will also review each site for access, traffic control, and site safety considerations. Site investigation results will then be used to determine the appropriate flow metering technology and site set-up.

Site investigation reports containing the site information and images will be prepared for the County's approval prior to the installation of the equipment.

Field crew are certified in confined space entry procedures and will fill out confined space reports at each site visit throughout the project.

At the time of installation, manual depth and velocity readings are taken by the field technicians to confirm that the meter is reading to manufacturer's operating standards. In addition to the initial calibration, RJN will return within two weeks of installation and at least twice more in the first three months to obtain a sufficient number of calibrations for comparison to the meter results.

It is our understanding that the County contracts with Gasvoda & Associates, Inc. to calibrate the venturi meters and chart recorders. We request that Gasvoda is on site at the time of installation to check the calibration and operation of the meter and chart recorder.

Later in 2013, County staff will start maintaining the meters in the Southeast Lake FPA. Some of the equipment needed for this maintenance has been included in this proposal. This includes two portable velocity meters (PVM) and the computer and cables needed to communicate with the meters. This equipment can be used in the Northwest FPA after the initial 365 day monitoring period has ended.

Ongoing Monthly Meter & Data Maintenance

Following the third month, RJN field technicians will continue to maintain the meters, Telog units and rain gauges, as necessary. This includes replacing probes, batteries, desiccant and other equipment.

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Manual depth and velocity readings will be taken once every three months as a check on the meter calibration and accuracy. After six months, RJN will assist the County and Gasvoda with a second calibration on the lift station meters, chart recorders and Telog units.

RJN will maintain the data link required for remotely uploading the data from the meters, Telog units and rain gauges. Experienced data analysts will collect, consolidate, process, and perform a cursory review for data continuity and quality. Data will be corrected and adjusted according to calibrations and flow balances among connecting sites. The data is then made available online to the County for viewing, downloading, and further use.

Data Handling

RJN Group will utilize a host software support application program for remote wireless flow meter and rain gauge data collection. On a daily basis, all data recorded and stored in the meter will be collected by the host system. RJN will install, operate, and maintain the telemetry.

RJN Group will use a system employing a client/server architecture to store all project flow and rainfall data. On a daily basis, flow meter measurements, battery voltages and other data entities will be forwarded to the Server and immediately posted to the web site for viewing by authorized parties.

The Web Module software will allow any networked computer (with the appropriate access rights) access to the data stored using a common web browser (e.g. Microsoft Internet Explorer). The web module will enable the user to view the data and download the data in Microsoft Excel format. Web module users will not have access to modify the database or any operational system configurations.

Data Analysis

RJN will review the flow monitoring and rainfall data at least twice a week during the "settling in" period and then once per week thereafter, for sites that produce stable and reliable results. During the "settling in" period, crews will obtain necessary calibrations and make efforts to prevent sensor failure, minimize equipment issues, avoid excessive siltation and configure the monitoring equipment to capture hydraulic variations or anomalies. The analysis of the data includes the identification of data gaps, hydraulic anomalies and monitor performance issues.

Any equipment service needs will be immediately conveyed to the field service crews. The data will be processed and edited in accordance with the field confirmations to produce final data sets for each site. The final data will also be posted when completed.

After the flow monitoring period is complete, the data will evaluated and finalized for use in developing the I/I analyses. In addition to addressing the results of the flow monitoring, the report will also include recommendations for reducing the excess flow.

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PROPOSED SCOPE OF SERVICES

Our proposed scope of services is as follows:

1. Procure nine complete flow meters with data telemetry capability.

2. Procure three Telog R-3314 units and one Telog R-3307 unit to monitor the lift station sites. Procure antennas and other appurtenances needed for installation.

3. Procure two portable velocity meters for use in future County maintenance and calibration.

4. Procure a laptop computer and communications cables that will allow County staff to communicate with the flow meters (see specific equipment list on cost sheet).

5. Investigate targeted sites for flow meter and rain gauge installation. Determine the meter sites that are hydraulically suitable for flow monitoring. Prepare Investigation Site Reports for approval by the County.

6. Prepare flow meters and rain gauges for installation. Install nine flow meters and two rain gauges at approved locations.

7. During installation, calibrate each flow meter by taking manual depth and velocity measurements and comparing with meter readings.

8. Provide standard traffic control measures (portable signs and cones) at each site in or near a roadway. If a higher level of traffic control is required, traffic control assistance will be provided by County staff.

9. Prepare Telog units for installation. Coordinate with County staff and install at approved lift stations. Connect the lift station flow meter to the Telog unit and confirm that the signal is being sent to the host system. County staff will be responsible to connect any other inputs to the Telog unit.

10. Assist the County staff and venturi meter/chart recorder vendor (Gasvoda) with calibrating the lift station meters and confirming that the chart recorder is operating properly.

11. Prepare the host system for handling all flow and rain gauge data and posting the data for viewing and access by County staff. Review the data at least twice per week during the "settling in" period, once per week, thereafter, and immediately report any equipment service needs to the field crews.

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12. Calibrate each meter a second time within two weeks of installation. Utilize the calibrations to adjust the data and prepare final data sets.

13. Provide meter and rain gauge maintenance as necessary to keep meters and rain gauges in proper operation for the duration of the monitoring period. Calibrate each meter at least two additional times within the first three months of operation and at least quarterly, thereafter.

14. Provide maintenance on the Telog units as necessary. Notify the County of any needed maintenance on the lift station meters. Assist the County staff and vendor with a second calibration on the lift station meters approximately six months after installation.

15. Procure spare and replacement equipment, such as batteries, probes and desiccant, as needed to keep meters, Telog units and rain gauges within operating standards.

16. Provide up to 24 hours of training and technical assistance related to operating the Telog units and connecting additional inputs.

17. Coordinate maintenance activities with County staff for the final three months of the monitoring period to allow County staff to take over maintenance responsibilities when the monitoring period has ended.

18. This proposal does not include removal or relocation of the flow meters after the flow monitoring period has ended.

19. Process the collected raw data. Analyze the processed data for wet- and dry-weather flow patterns. Create hydrographs for each meter and determine peaking factors of each basin.

20. Perform an inflow analysis, a peak infiltration analysis and look for evidence of downstream control and surcharging.

21. Prepare and submit five copies of a draft report to the County outlining Flow Monitoring results and recommendations.

22. Include the following in the report:
    - Details on each meter, monitored lift station and rain gauge location;
    - Summary of the flow and rainfall data collected;
    - Conclusions from the flow metering, including evidence of downstream control, hydraulic bottlenecks, and levels of infiltration and inflow (I/I);
    - Adequacy of the existing system to handle existing flows; and
    - Recommendations for reduction in I/I

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23. Incorporate the County's comments and submit up to 15 copies of the final report to the County. This includes copies for the municipalities. Provide a pdf of the final report.

24. Provide project management services for the duration of the project. Attend up to four meetings with County staff. Attend up to two County scheduled meetings with the local municipalities.

ITEMS REQUESTED FROM THE COUNTY

We request the following items from the County:

a. Assistance with traffic control where needed in high traffic locations.

b. Procure the services of Gasvoda & Associates and calibrate the lift station meters.

c. Install a flow meter at the Beechwood Lift Station and bring the monitoring cable to the surface near the station dry well with an extra 10 feet of cable to allow the cable to be connected to the Telog R-3307 unit.

d. This proposal does not include procurement of batteries or desiccant needed to maintain the flow meters in the Southeast and Northwest FPA. RJN will provide contact information to the County, but the County will need to procure separately.

e. This proposal includes the hardware and software needed to communicate with the flow meters, but does not include hardware or software needed to analyze the data. RJN will provide contact information to the County, but the County will need to procure separately as needed.

f. Water consumption data from major users in the FPA as needed by RJN. This may include prior year data and actual usage data during the flow monitoring period.

g. This proposal does not include providing additional equipment to allow the meters to be directly connected to the County's SCADA system beyond the standard items that come with the meter. The County will be responsible for procuring necessary computer hardware and data analysis or SCADA integration software separately.

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SCHEDULE

This schedule is based on the proposal being approved at the October 8, 2013 County Board meeting. The key schedule parameters are as follows:

- The flow meters will be purchased within one week of a notice to proceed and kickoff meeting.
- The site investigations will begin within two weeks of a notice to proceed and kickoff meeting.
- It is anticipated that the meters, Telog units and rain gauges will be installed in November
- The flow monitoring period will begin when the last meter has been successfully installed and will last 365 days
- The draft report will be submitted to the County within two months of the end of the flow monitoring period.
- The final report will be submitted within three weeks of receipt of County comments on the draft report.

PROPOSED FEE

This scope of services will be invoiced in a unit price/percent complete basis per the attached schedule for a not to exceed total of $282,704.

It is our pleasure to submit this proposal to the Lake County Department of Public Works. Please feel free to contact me at (630) 682-4700 x314 if you would like to discuss this proposal in detail. We are looking forward to the opportunity to begin working with the County on this important project.

Sincerely,

RJN Group, Inc.

Michael N. Young

Michael N. Young, P.E.
Principal

Enclosures

ATTACHMENT A

LAKE COUNTY DEPARTMENT OF PUBLIC WORKS

NORTHWEST LAKE FPA - SANITARY FLOW MONITORING

Summary of Engineering Services Fees

Task No.	Task Description	Units	Quantity	Unit Cost	Total Cost
1001	Flow Meter Site Investigations	EA	9	$380	$3,420
1002	Flow Meter Preparation and Installation	EA	9	$1,100	$9,900
1003	Lift Station - Telog Unit Preparation and Installation	EA	4	$3,000	$12,000
1004	Rain Gauge Site Investigation and Installation	EA	2	$350	$700
1005	Flow Meter Calibration, Maintenance and Data Analysis	Meter-Month	108	$790	$85,320
1006	Lift Station - Telog Unit Calibration, Maintenance and Data Analysis	Meter-Month	48	$500	$24,000
1007	Rain Gauge Calibration, Maintenance and Data Analysis	RG-Month	24	$170	$4,080
1008	Report	LS	1	$20,000	$20,000
1009	Project Management, Meetings and Training Sessions	LS	1	$16,000	$16,000
1010	Purchase Meters[1]	EA	9	$8,542	$76,878
1011	Purchase Telog R-3314 Units and Appurtenances[2]	EA	3	$4,500	$13,500
1012	Purchase Telog R-3307 Units and Appurtenances[2]	EA	1	$4,000	$4,000
1013	Purchase Portable Velocity Meters[3]	EA	2	$5,153	$10,306
1014	Purchase Maintenance Computer and Cables[4]	LS	1	$2,600	$2,600
				TOTAL	**$282,704**

Notes:

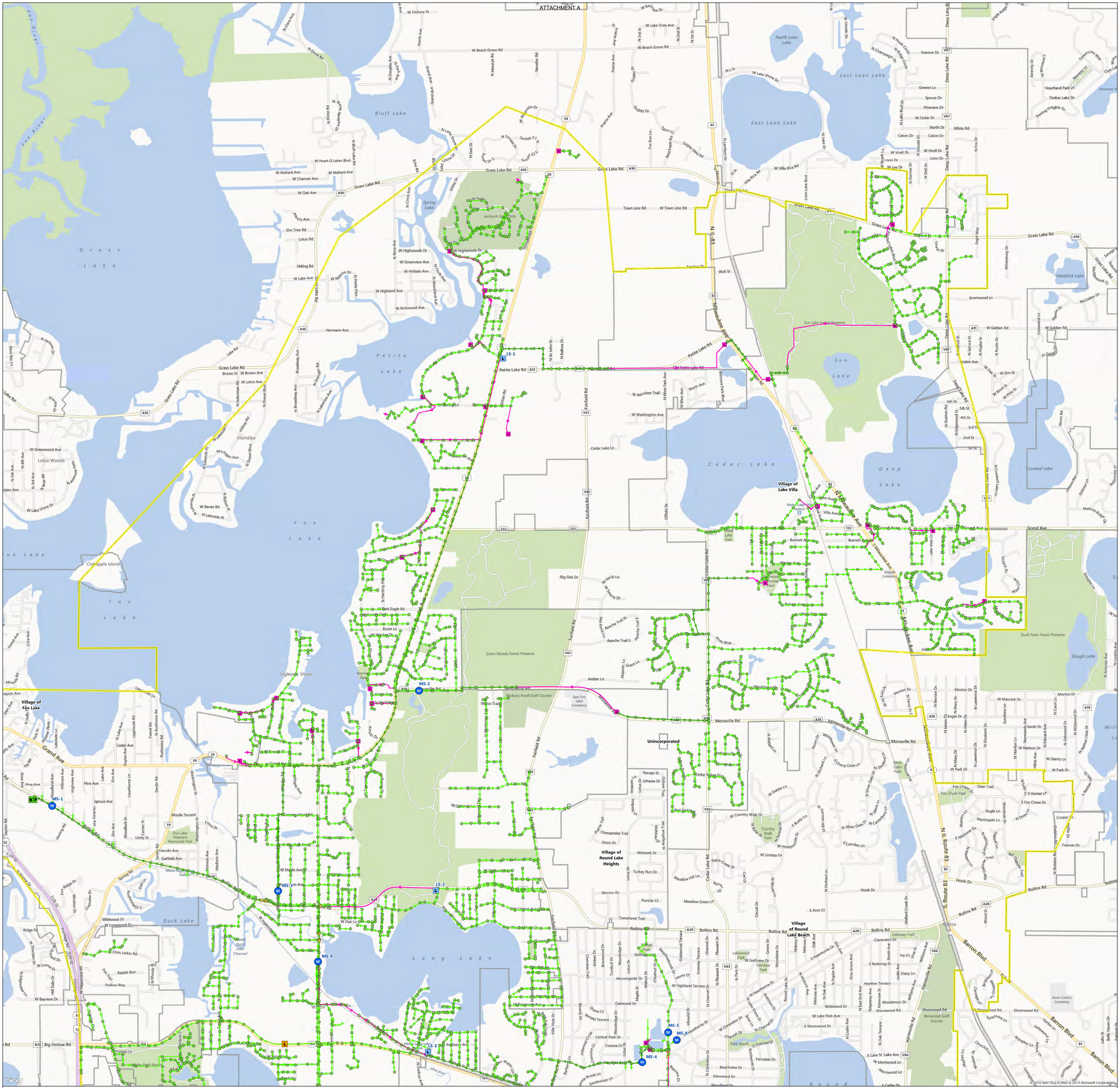
1. Meter equipment purchase includes:
   - FlowShark Triton Wireless Monitoring System. IS Rated.
   - Sensors, Uplooking Ultrasonic, Pressure depth and Doppler Velocity
   - Quad Redundant Ultrasonic Depth Sensor
   - Banding material and installation hardware.
   - Modem - GSM Module
   - Wireless Modem Antenna, Mini Wing
   - Direct Connect Cable
   - Cellular charges - SIM (Fixed IP GPRS Service) - 12 months
   - Equipment and Sensor warranty – 12 months
   - One licensed copy of Profile meter configuration software.

2. Telog R-3314 and R-3307 Unit purchase includes:
   - R-3314 or R-3307 unit in NEMA 4 enclosure
   - Power supply with battery backup
   - Cable and antenna
   - Mounting hardware
   - Cellular charges - SIM (Fixed IP GPRS Service) - 12 months
   - Equipment warranty – 12 months

3. Portable Velocity Meter purchase includes:
   - FH950 meter/velocity sensor
   - 40 feet of cable

4. Computer and Cable purchase includes:
   - Dell Latitude E6530 Laptop Computer
   - Computer setup for operation
   - Q-Start Software for comminication with meters
   - Triton Flow Meter Communication Cable
   - Telog Rain Gauge Communication Cable
   - USB to serial adapter
   - Model restart magnet

ATTACHMENT A



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The Choice for Collection System Solutions

- Flow Meter Site
- Lift Station Site
- Lakes Region Lift Station Site
- Lake County Municipality Boundaries
- RJN Study Area 2013
- Pressurized Main
- Collector
- Interceptor
- Junction Chamber
- Manhole
- Syphon Chamber
- Pump Station
- Lift Station
- Treatment Plant

N W E S

Lake County
Project Proposal
North Lake County- Proposed Flow Meter Sites
September 2013

ATTACHMENT A