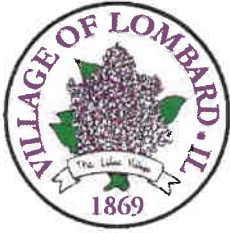


# Exhibit "A"

Legistar: 230159

## VILLAGE OF LOMBARD CONTRACT



### WATER SYSTEM NETWORK ANALYSIS CONTRACT DOCUMENT NUMBER WA 23 02

This Contract is made this 18th day of May 2023, between and shall be binding upon the VILLAGE of Lombard, an Illinois Municipal Corporation hereinafter referred to as the "VILLAGE" and Baxter & Woodman Consulting Engineers, hereinafter referred to as the "ENGINEER" and its successors.

Witnessed, that in consideration of the mutual promises of the parties delineated in the Contract Documents, the ENGINEER agrees to perform the services and the VILLAGE agrees to pay for the following services as outlined in the Contract documents:

#### Engineering Services for the Water System Network Analysis

1. This Contract shall embrace and include all applicable contract documents listed below as if attached hereto or repeated herein:
  - a. Request for Qualifications and Request for Proposal (October 9, 2021) consisting of the following:
    - i) Cover Sheet
    - ii) Table of Contents
    - iii) Solicitation Letter
    - iv) General Provisions
    - v) Special Provisions/Request for Qualifications
    - vi) Request for Proposal
    - vii) Instructions for the Consultant Evaluation Form
    - viii) Instructions for the Statement of Qualifications Forms
    - ix) Appendix A - Sample Contract and Engineer's Certification Form
    - x) Appendix B - Local Government Prompt Payment Act
    - xi) Appendix C - Statement of Qualifications Form and Proposal Form
    - xii) Appendix D - CIP Shortlist Projects
    - xiii) Appendix E - Charles Lane Basin Utility Map
  - b. Addendum #1, Dated November 11, 2021 (RFQ & Charles Lane Basin project)
  - c. Request for Proposal Dated March 31, 2023
  - d. ENGINEER'S Letter, Scope Work Effort, and Fee dated May 11, 2023
  - e. Required Certificates and Signatures and Certificate of Insurance
2. The VILLAGE agrees to pay, and the ENGINEER agrees to accept as full payment for the services, which are the subject matter of this contract per the General Provisions.
3. This Contract represents the entire agreement between the parties and may not be modified without the written approval of both parties.

IN WITNESS WHEREOF, the Village of Lombard, Illinois by Keith Giagnorio, Village President, and the ENGINEER have hereunto set their hands this 18th day of May 2023.

If an individual or partnership, all individual names of each partner shall be signed, or if a corporation, an officer duly authorized shall sign here:

\_\_\_\_\_  
Baxter & Woodman Consulting Engineers

Accepted this \_\_\_\_\_ day of \_\_\_\_\_, 2023.


Individual or Partnership \_\_\_\_\_ Corporation \_\_\_\_\_

\_\_\_\_\_  
By Position/Title

\_\_\_\_\_  
By Position/Title

THE VILLAGE OF LOMBARD, ILLINOIS

Accepted this 18th day of May 2023.

  
\_\_\_\_\_  
Keith Giagnorio, Village President

Attest:   
\_\_\_\_\_  
Elizabeth Brezinski, Village Clerk

## VILLAGE OF LOMBARD ENGINEER'S CERTIFICATION

\_\_\_\_\_, having been first duly sworn depose and states as follows:  
(Officer or Owner of Company)

\_\_\_\_\_, having submitted a proposal for the  
(Name of Company)

North Grace Street Utility Improvements, Contract Document Number WA 22 02 to the Village of Lombard, hereby certifies when applicable under Federal, State, County or municipal code, that said ENGINEER:

1. has a written sexual harassment policy in place in full compliance with 775 ILCS 5/2-105(A) (4).
2. is not delinquent in the payment of any tax administered by the Illinois Department of Revenue, or if it is:
  - a. it is contesting its liability for the tax or the amount of tax per procedures established by the approved Revenue Act; or
  - b. it has entered into an agreement with the Department of Revenue for payment of all taxes due and is currently in compliance with that agreement.
3. is in full compliance with the Federal Highway Administration Rules on Controlled Substances and Alcohol Use and Testing, 49 CFR Parts 40 and 382 and that

\_\_\_\_\_  
(Name of employee/driver or "all employee drivers")  
is/are currently participating in a drug and alcohol testing program pursuant to the aforementioned rules.

By: \_\_\_\_\_  
Officer or Owner of the Company named above

Subscribed and sworn to  
before me this \_\_\_\_\_  
day of \_\_\_\_\_, 2023.

\_\_\_\_\_  
Notary Public

Village of Lombard, Illinois  
Water Network Analysis

Fee 5/11/23

| Task No.   | DELIVERABLE Title            | SUB-DELIVERABLE Title   | Advisor<br>Carolyn<br>\$ 240 | PM<br>Lauren<br>\$ 200 | Modeling<br>Megan<br>\$ 165 | Concentric<br>\$ 200 | GIS<br>\$ 140 | Sept.<br>\$ 90 | MILES<br>\$ 0.655 | TOTAL<br>HOURS       | SUBDEL<br>COST                               | DELIV<br>COST |
|--|------------------------------|---|------------------------------|------------------------|-----------------------------|----------------------|---------------|----------------|-------------------|----------------------|--|---------------|
| 1  | Project Management           |   | 2                            | 8                      |                             |                      |               |                |                   | 10                   | \$ 2,080                                     | \$ 2,080      |
| 2  | Meetings                     | Kickoff Meeting<br>Status Meetings  | 6<br>10                      | 6<br>20                | 6<br>20                     | 6                    |               |                | 234<br>936        | 24<br>50             | \$ 4,983<br>\$ 10,313                        | \$ 15,296     |
| 3  | Existing System Review       | Existing Conditions Review<br>Water Demands                               |                              | 4                      | 8<br>4                      | 2                    | 16            |                |                   | 14<br>20             | \$ 2,520<br>\$ 2,900                         | \$ 5,420      |
| 4  | GIS Data Adjustments         | Pipe Configuration<br>Attribution   |                              | 2                      | 6<br>4                      |                      | 20            |                |                   | 28<br>4              | \$ 4,190<br>\$ 660                           | \$ 4,850      |
| 5  | Model Preparation            | Model Build<br>Fire Hydrant Testing<br>Calibration                        |                              | 16<br>2<br>8           | 40<br>20<br>40              | 2                    |               |                |                   | 56<br>24<br>48       | \$ 9,800<br>\$ 4,100<br>\$ 8,200             | \$ 22,100     |
| 6  | Distribution System Analysis | Steady State<br>Village Projects<br>Storage Evaluation<br>Recommendations |                              | 2<br>4<br>4<br>16      | 8<br>16<br>8<br>24          |                      |               |                |                   | 10<br>20<br>12<br>40 | \$ 1,720<br>\$ 3,440<br>\$ 2,120<br>\$ 7,160 | \$ 14,440     |
| <b>Total for Tasks 1-6 (Baseline Model and Analysis)</b> |                              |   |                              |                        |                             |                      |               |                |                   |                      |  | \$ 64,200     |

|   |                            |  |        |                    |                     |  |    |   |  |                      |  |           |
|---|----------------------------|--|--------|--------------------|---------------------|--|----|---|--|----------------------|--|-----------|
| 7   | Additional Analysis        | Extended Period Simulation                                 |        | 12                 | 60                  |  |    |   |  | 72                   | \$ 12,300                                    | \$ 12,300 |
| 8   | Recommendations and Report | Cost Estimates<br>Exhibits<br>Draft report<br>Final report | 4<br>4 | 4<br>2<br>16<br>12 | 12<br>6<br>24<br>24 |  | 16 | 4 |  | 16<br>24<br>48<br>44 | \$ 2,780<br>\$ 3,630<br>\$ 8,480<br>\$ 7,680 | \$ 22,570 |
| <b>Total for Tasks 7-8 (Additional Analysis and Report)</b> |                            |  |        |                    |                     |  |    |   |  |                      |  | \$ 34,900 |
| <b>Total Not-to-Exceed Fee</b>                              |                            |  |        |                    |                     |  |    |   |  |                      |  | \$ 99,100 |

| Task Hours | 26       | 138       | 330       | 10       | 52       | 8      | -      | 564       |
|------------|----------|-----------|-----------|----------|----------|--------|--------|-----------|
| Task Costs | \$ 6,240 | \$ 27,600 | \$ 54,450 | \$ 2,000 | \$ 7,280 | \$ 720 | \$ 766 | \$ 99,056 |

May 11, 2023

Mr. Dave Gorman, PE  
Assistant Director of Public Works  
Village of Lombard  
255 E. Wilson Ave  
Lombard, IL 60148-8222

**Subject: Village of Lombard – Water System Network Analysis**

Dear Mr. Gorman,

Baxter & Woodman, Inc. is pleased to submit this Proposal to assist the Village of Lombard in developing a new hydraulic water model, evaluating water distribution system performance, and developing long-term capital improvement recommendations. Below is the expanded scope of services from our Proposal, which we consider appropriate and necessary for the completion of the project.

**Water Network Analysis Scope of Services**

1. PROJECT MANAGEMENT
  - A. Plan, schedule, and control activities to complete the Project. These activities include, but are not limited to, budgeting, scheduling, and monitoring the scope of services.
  - B. Submit a regular status report via email describing tasks completed and future goals.
2. MEETINGS
  - A. *Kickoff Workshop Meeting* – A Project Workshop meeting with Owner’s staff and the Project team will be held for the Water Network Analysis. The purposes of the meeting are to establish clear lines of communication, introduce the Village staff to the team members, and establish the Owner’s detailed needs, objectives, and goals for the Project. Provide a brief presentation on the computer modeling program, including its capabilities, so the Owner can become familiar with the potential use of this information for other purposes in the future. The meeting will also be utilized to obtain information, plans, atlases, and other data to be supplied by the Owner, and set schedules and guidelines for future design meetings.
  - B. *Status Meetings* – Conduct up to four meetings with Owner’s staff at times during the Project to clarify system layout and operations questions, model results, and distribution system recommendations. Status meetings are typically held to review the calibrated model, review recommendations, and review the draft report.

3. EXISTING SYSTEM REVIEW

- A. Review the following information to be provided by the Owner:
  - 1. Existing water system GIS (geodatabase).
  - 2. Existing water distribution system maps and subdivision plans and as-builts, including any recent changes and improvements, with pipe diameters, ages, and typical materials.
  - 3. Engineering reports previously completed on the water system.
  - 4. Water pumping and consumption records.
  - 5. Water consumption records from individual service accounts, in Excel or another acceptable electronic format.
  - 6. Descriptions of existing storage facilities.
  - 7. Description of standard operating procedures for the water system, including setpoints.
  - 8. List of known problem areas (low pressure, high pressure, poor water quality, low fire flow, etc.).
  - 9. Existing capital improvement plan.
- B. Confirm pressure zone boundary with utility map drawings. Confirm location with Village staff. Recommend field verification by Village staff, if required.
- C. Develop 24-Hour Demand Curve for the Low- and High-Pressure Zones. This task should include utilizing the typical day information to evaluate the Owner's usage over a 24-hour period. This will determine the peak hour multiplier for the system. This multiplier will be utilized to test the system under its most stressed condition to evaluate pressures, head-losses and flows.

4. GIS DATA COORDINATION

- A. GIS data adjustments are not included in the scope of this work.
- B. Review data for connectivity and cohesiveness as necessary for integration with WaterGEMS® software. Provide recommendations and guidelines to the Village for missing data necessary for model construction, including topography revisions and attributes (pipe age, material, and diameter). The Village will make the revisions necessary to conform to conventions used within the modeling software.
- C. Unique IDs will be maintained if Owner's data has Unique IDs established for all segments and structures. If Unique IDs are not already established, Unique IDs will be created to develop an identification system. This will establish a link with the WaterGEMS® model, allowing model results to be incorporated within the GIS.
- D. At the completion of the modeling project, WaterGEMS® network model data will be exported back into the existing GIS. This one-to-one relationship will allow any alterations that have been made to the water network within the modeling software to be maintained and incorporated into the existing geodatabase. This strategy will allow

WaterGEMS® model output to be incorporated within the GIS data for Owner use and permits future updates to be migrated into and out of the geodatabase utilized by WaterGEMS®.

- E. Provide a digital copy of the final ArcGIS dataset in a format as specified by Village staff.

5. MODEL PREPARATION

- A. *Prepare Model* - Prepare a water model in WaterGEMS® for the Owner's water system using existing atlas and GIS information. Work directly with Owner's staff to concur on design information, including control elevations, system pressures, and system constraints. Confirm with Owner's staff the resulting system in the modeling software accurately represents the actual distribution system.
- B. *Field Hydrant Testing* – Perform “distribution stress tests” by flowing fire hydrants in specific areas to determine the existing pipe roughness (“C” Coefficient) and assist in the model calibration. The fire hydrant flow tests involve measuring flows from selected fire hydrants throughout the water system. An estimated 15 fire hydrants tests will be conducted with the Owner's assistance.
- C. *Model Calibration* - Calibrate the model by using fire hydrant test and SCADA data for all facilities during the testing time period and adjust the model until the field and model data match within certain limits. Typically, the accuracy will be 1 psi (+/-) during average static conditions and 5 psi (+/-) during high flow testing.
  - 1. In the event attempts to calibrate the model reveal unexpected and unknown field conditions, it may be necessary to make a field investigation into why the model will not calibrate, e.g., locate closed valves in the system, and conduct additional flow tests. This additional work will be performed on a “Cost-Plus” basis in addition to the original Engineering Fee.

6. DISTRIBUTION SYSTEM ANALYSIS– The following is a list of recommended scenarios that will provide the information most critical to the current needs. Scenarios will be evaluated under varying demand conditions, including Average Day Demand, Maximum Day Demand, and Peak Hour Demand.

- A. *Pressure Characteristics throughout the System* – Pressures will be determined at each node in the model. Low pressures during peak demand may be caused by excessive head loss in the supply mains or high ground elevation. A determination of unacceptable variations in service pressure will be completed.
- B. *Areas of excessive head loss or high velocities* – Pipes with excessive head loss or high velocities may require replacement of pipes or paralleling with larger diameter pipes. Excessive head loss under maximum day conditions may indicate that additional looping or water main upsizing is required.

- C. *Areas with inadequate fire flows* – Utilizing the fire flow analysis portion of the software, fire hydrants will be simulated and the available fire flow capacity of each will be estimated. Test how the system reacts to simulations of fire flows at all fire hydrants in the system at maximum day demand. The results produced by the model will provide the Owner with the predicted fire flows and the location and pressure of the lowest pressure nodes in the model for each hydrant. These results will be compared against ISO requirements. Particular attention will be paid to areas of critical need, such as schools, commercial and business zones, and dense residential areas.
- D. *Evaluate Water Storage Capacity* – Engineering and model data will be used to evaluate the total volume of storage currently available in the distribution system and compare this to current and future maximum day and peak hourly water demands. The Owner is in the developing phase of an additional 1.5 MG elevated storage tank in the high-pressure zone at the old Baptist Seminary property located next to the Westin Hotel in Lombard. A review of the IDNR Lake Michigan proposed water allocation adjustments should also be completed to ensure that future allocations meet projected demands for the Owner. An evaluation of the DWC storage requirements should be completed to ensure the Owner is within required storage capacity. Provide recommendations for future water system storage, if necessary. Recommendations will include a review of water storage tank style, such as ground storage versus elevated storage. Review the impact of storage on water turnover in the distribution system.
- E. *Review ISO Report* - Review the most recent ISO report for the Village of Lombard (2018 or newer). Identify and recommend improvements to increase water system rating.
- F. *Evaluate Planned Village Projects Including:*
  - 1. Flow Capacity in Lombard Fire District 501 - Evaluate and make recommendations to increase flow capacity in Lombard Fire District 501 (bordered with Parkside Ave. to the north, Madison St. to the south, Main St. to the West, and Grace St. to the east). Considerations for a Capital Improvement Project will be included below but not limited to:
    - a. Replacement of the four-inch (4") with eight-inch (8") water mains
    - b. Replacement of the four-inch (4") with six-inch (6") water mains
    - c. Cleaning and lining the existing four-inch (4") water mains via cured in place or spray lining
    - d. Relocating water services and fire hydrants to the transmission mains in this area.
    - e. Installing larger trunk water mains on east west streets to provide more flow capacity to area.
  - 2. Water main rehabilitation project for N. Grace St. from St. Charles Rd. to North Ave. slated for 2023 construction.



3. The reinstatement of the water main crossings at the railroad tracks along St. Charles Rd. to include Grace St., and Elizabeth St.
  4. Wheeling water through the low-pressure zone to service the IL American Water Lombard Heights area.
  5. The March 2018 Water Model Update to incorporate the recommendations into the new full water model.
  6. The need for the three current emergency back-up wells with the following scenarios based upon current status of the wells. Scenarios for evaluation include:
    - a. Abandon all three wells (Well 7, Well 8, and Well 10)
    - b. Increase capacity of Wells 8 and 10
    - c. Rehabilitate Well 7
    - d. Relocate Well 7
7. **ADDITIONAL ANALYSIS**
- A. *Extended Period Simulation* - Develop an “extended period” simulation (EPS) model that will be used to identify problem areas in the existing system during a variety of flow conditions. Enter hourly demands, pump curves, estimated starting water ages within the tanks and reservoirs, and tower control levels into the model to simulate actual system operation. The EPS model will be used to determine the adequacy of the elevated tank, water mains, pumps, valves, operations between pressure zones, and connection points over a 96-hour period.
8. **RECOMMENDATIONS AND REPORT** - The results of the existing system analysis, evaluation of alternatives, opinions of probable costs estimates, recommendations, and prioritized list of selected alternatives will be prepared.
- A. **MODEL EXHIBITS** – Prepare water system exhibits showing pressure and available fire flows for average day and maximum day water demands; areas with inadequate fire flows; available fire flows with recommended improvements; and water age. Confirm with Owner’s staff the exhibits accurately represent water system.
  - B. **DRAFT REPORT** – Prepare a draft report summarizing the results of the analysis, evaluation of alternatives, opinions of probable costs estimates, recommendations, and prioritized list of selected alternatives and submit to Village staff for review. Meet with the Owner to solicit comments from Village staff regarding the draft report and incorporate their feedback into the final report. The draft report will include exhibits showing the results of the simulated fire flows and pressures across the system and recommendations for water system capital improvements planning. Opinions of probable construction costs estimates will be included for the recommended improvements.

- C. **FINAL REPORT** – The final report will be prepared and submitted to the Owner. Organize computer files and worksheets for submittal to the Owner in an acceptable format. Worksheets shall include demand calculations. Maintain unique IDs and one-to-one relationship with GIS so that model results can be incorporated into Village’s GIS. Provide a digital copy of the revised ArcGIS dataset in a format specified by Village staff.

**Schedule**

The proposed work will be completed between June 2023 and December 2023.

**Engineering Fee**

The Owner shall pay the Engineer for the services performed or furnished based upon the Engineer’s standard hourly billing rates for actual work time performed plus reimbursement for out-of-pocket expenses, including travel.

Baseline Model and Analysis (Tasks 1 – 6)

*Initial to accept*

Base Model and Analysis Fee: \$64,200 \_\_\_\_\_

Additional Analysis and Report (Tasks 7 – 8)

*Initial to accept*

Additional Analysis and Report Fee: \$34,900 \_\_\_\_\_

Thank you for the opportunity to submit our Proposal for this Project. The attached Standard Terms and Conditions apply to this Proposal. If you find this Proposal acceptable, **please sign and return one copy for our files**. Please contact Lauren Schuld at 815-444-3306 or [lschuld@baxterwoodman.com](mailto:lschuld@baxterwoodman.com) if you should have any questions or need additional information.

Sincerely,

BAXTER & WOODMAN, INC.  
CONSULTING ENGINEERS



John V. Ambrose, PE  
Executive President  
Attachment

**VILLAGE OF LOMBARD, ILLINOIS**

AUTHORIZED BY: 

TITLE: Village President

DATE: 5/18/23

## STANDARD TERMS AND CONDITIONS

PLEASE READ THESE STANDARD TERMS AND CONDITIONS ("TERMS") CAREFULLY BEFORE EXECUTING THE LETTER PROPOSAL PRESENTED BY BAXTER & WOODMAN, INC. ("BW"). BY EXECUTING THE LETTER PROPOSAL, OWNER AGREES TO BE BOUND BY THESE TERMS, THE PROVISIONS OF THE LETTER PROPOSAL, AND THE PROVISIONS OF ANY DOCUMENT REFERRING TO THESE TERMS OR THE LETTER PROPOSAL, ALL OF WHICH SHALL COLLECTIVELY CONSTITUTE THE "AGREEMENT".

**Owner's Responsibility** - Provide BW with all criteria and full information for the "Project", which is generally otherwise identified in the Letter Proposal. BW will rely, without liability, on the accuracy and completeness of all information provided by the Owner (as defined in the Letter Proposal) including its consultants, contractors, specialty contractors, subcontractors, manufacturers, suppliers and publishers of technical standards ("Owner Affiliates") without independently verifying that information. The Owner represents and warrants that all known hazardous materials on or beneath the site have been identified to BW. BW and their consultants shall have no responsibility for the discovery, presence, handling, removal or disposal of, or exposure of persons to, unidentified or undisclosed hazardous materials unless this service is set forth in the Letter Proposal.

**Schedule for Rendering Services** - The agreed upon services shall be completed within a reasonable amount of time. If BW is hindered, delayed or prevented from performing the services as a result of any act or neglect of the Owner, any Owner Affiliate, or force majeure event, BW's work shall be extended and the rates and amounts of BW's compensation shall be equitably adjusted in a written instrument executed by all Parties.

**Invoices and Payments** - The fees to perform the proposed scope of services constitutes BW's estimate to perform the agreed upon scope of services. Circumstances may dictate a change in scope, and if this occurs, an equitable adjustment in compensation and time shall be agreed upon by all Parties by written agreement. No service for which added compensation will be charged will be provided without first obtaining written authorization from the Owner. BW invoices shall be due and owing by Owner in accordance with the terms and provisions of the State of Illinois Local Government Prompt Payment Act (50 ILCS 505/1 et seq.).

**Opinion of Probable Construction Costs** - BW's opinion of probable construction costs represents its reasonable judgment as a professional engineer. Owner acknowledges that BW has no control over construction costs or contractor's methods of determining prices, or over competitive bidding, or market conditions. BW cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from BW's opinion of probable construction costs.

**Standards of Performance** - (1) The standard of care for all services performed or furnished by BW will be the same care and skill ordinarily used by professionals practicing under similar circumstances, at the same time and in the same locality on similar projects. BW makes no warranties, express or implied, in connection with its services; (2) BW shall be responsible for the technical accuracy of its services and documents; (3) BW shall use reasonable care to comply with applicable laws, regulations, and Owner-mandated standards; (4) BW may employ such sub-consultants as BW deems necessary to assist in the performance or furnishing of the services, subject to reasonable, timely, and substantive objection by Owner; (5) BW shall not supervise, direct, control, or have authority over any contractors' work, nor have authority over or be responsible for the means, methods, techniques, sequences, or procedures of construction selected or used by any contractor, or the safety precautions and programs incident thereto, for security or safety at the site, nor for any failure of any contractor to comply with laws and regulations applicable to such contractor's furnishing and performing of its work; (6) BW neither guarantees the performance of any contractor nor assumes responsibility for any contractor's failure to furnish and perform the work in accordance with the contract documents; (7) BW is not acting as a municipal advisor as defined by the Dodd-Frank Act. BW shall not provide advice or have any responsibility for municipal financial products or securities; (8) BW is not responsible for the acts or omissions of any contractor, subcontractor, or supplier, or any of their agents or employees or any other person at the site or otherwise furnishing or performing any work; (9) Shop drawing and submittal review by BW shall apply only to the items in the submissions and only for the purpose of assessing if, upon installation or incorporation in the Project work, they are generally consistent with the contract documents. Owner agrees that the contractor is solely responsible for the submissions (regardless of the format in which provided, i.e. hard copy or electronic transmission) and for compliance with the construction documents. Owner further agrees that BW's review and action in relation to these submissions shall not constitute the provision of means, methods, techniques, sequencing or procedures of construction or extend to safety programs or precautions. BW's consideration of a component does not constitute acceptance of the assembled item; (10) BW's site observation during construction shall be at the times agreed upon in the Project scope. Through standard, reasonable means, BW will become generally familiar with observable completed work. If BW observes completed work that is inconsistent with the construction documents, information shall be communicated to the contractor and Owner for them to address.

**Insurance** - BW will maintain insurance coverage with the following limits and Certificates of Insurance will be provided to the Owner upon written request:

|                        |                                   |                            |                                      |
|------------------------|-----------------------------------|----------------------------|--------------------------------------|
| Worker's Compensation: | Statutory Limits                  | Excess Umbrella Liability: | \$10 million per claim and aggregate |
| General Liability:     | \$1 million per claim             | Professional Liability:    | \$5 million per claim                |
|                        | \$2 million aggregate             |                            | \$5 million aggregate                |
| Automobile Liability:  | \$1 million combined single limit |                            |                                      |

In no event will BW's collective aggregate liability under or in connection with this Agreement or its subject matter, based on any legal or equitable theory of liability, including breach of contract, tort (including negligence), strict liability and otherwise, exceed the contract sum to be paid to BW's under this Agreement. Any claim against BW arising out of this Agreement may be asserted by the Owner, but only against the entity and not against BW's directors, officers, shareholders or employees, none of whom shall bear any liability and may not be subject to any claim.

**Indemnification and Mutual Waiver** – (1) To the fullest extent permitted by law, BW shall indemnify and hold harmless the Owner and its officers and employees from claims, costs, losses, and damages (“Losses”) arising out of or relating to the Project, provided that such Losses are attributable to bodily injury, sickness, disease, or death, or to injury to or destruction of tangible property, including the loss of use resulting therefrom, but only to the extent caused by any grossly negligent act or omission of BW; (2) To the fullest extent permitted by law, Owner shall indemnify and hold harmless BW and its officers, directors, employees, agents and consultants from and against any and all Losses (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals, and all court, arbitration, or other dispute resolution costs) arising out of or relating to the Project provided that any such Losses are attributable to bodily injury, sickness, disease, or death, or to injury to or destruction of tangible property, including the loss of use resulting therefrom, but only to the extent arising out of or occurring in connection with the Owner’s, or Owner’s officers, directors, employees, consultants, agents, or others retained by or under contract to the Owner, negligent act or omission, willful misconduct, or breach of this Agreement; (3) To the fullest extent permitted by law, Owner and BW waive against each other, and the other’s employees, officers, directors, insurers, and consultants, any and all claims for or entitlement to special, incidental, indirect, enhanced, punitive, or consequential damages, in each case regardless of whether such party was advised of the possibility of such losses or damages or such losses or damages were otherwise foreseeable, and notwithstanding the failure of any agreed or other remedy of its essential purpose; (4) In the event Losses or expenses are caused by the joint or concurrent fault of the BW and Owner, they shall be borne by each party in proportion to its respective fault, as determined by a mediator or court of competent jurisdiction; (5) The Owner acknowledges that BW is a business corporation and not a professional service corporation, and further acknowledges that the corporate entity, as the party to this contract, expressly avoids contracting for individual responsibility of its officers, directors, or employees. The Owner and BW agree that any claim made by either party arising out of any act of the other party, or any officer, director, or employee of the other party in the execution or performance of the Agreement, shall be made solely against the other party and not individually or jointly against such officer, director, or employees.

**Termination** - Either party may terminate this Agreement upon ten (10) business days’ written notice to the other party in the event of failure by the other party to comply with the terms of the Agreement through no fault of the terminating party. A condition precedent to termination shall be conformance with the Dispute Resolution terms below. If this Agreement is terminated, Owner shall receive reproducible copies of drawings, developed applications and other completed documents upon written request. Owner shall be liable, and shall promptly pay BW, for all services and reimbursable expenses rendered through the effective date of suspension/termination of services.

**Use of Documents** – All BW documents (data, calculations, reports, Drawings, Specifications, Record Drawings and other deliverables, whether in printed form or electronic media format, provided by BW to Owner pursuant to this Agreement) are instruments of service and BW retains ownership and property interest therein (including copyright and right of reuse). Owner shall not rely on such documents unless in printed form, signed or sealed by BW or its consultant. Electronic format of BW’s design documents may differ from the printed version and BW bears no liability for errors, omissions or discrepancies. Reuse of BW’s design documents is prohibited and Owner shall defend and indemnify BW from all claims, damages, losses and expenses, including attorney’s fees, consultant/expert fees, and costs arising out of or resulting from said reuse. Project documents will be kept for time periods set forth in BW’s document retention policy after Project closeout.

**Successors, Assigns, and Beneficiaries** – Nothing in this Agreement shall be construed to create, impose, or give rise to any duty owed by Owner or BW to any third party, including any lender, contractor, subcontractor, supplier, manufacturer, other individual, entity or public body, or to any surety for or employee of any of them. All duties and responsibilities undertaken pursuant to this Agreement are for the sole and exclusive benefit of the Owner and BW and not for the benefit (intended, unintended, direct or indirect) of any other entity or person.

**Dispute Resolution** - All disputes between the Parties shall first be negotiated between executives who have authority to settle the dispute for a period of thirty (30) days. If unresolved, disputes shall be then submitted to mediation as a condition precedent to litigation. The mediation session shall be held within forty-five (45) days of the retention of the mediator, and last for at least one (1) full mediation day, before any party has the option to withdraw from the process. If mediation is unsuccessful in resolving a Dispute, then the parties may seek to have the Dispute resolved by a court of competent jurisdiction.

**Miscellaneous Provisions** – (1) This Agreement is to be governed by the law of the state or jurisdiction in which the project is located; (2) all notices must be in writing and shall be deemed effectively served upon the other party when sent by certified mail, return receipt requested; (3) all express representations, waivers, indemnifications, and limitations of liability included in this Agreement will survive its completion and/or termination for any reason; (4) any provision or part of the Agreement held to be void or unenforceable under any laws or regulations shall be deemed stricken, and all remaining provisions shall continue to be valid and binding upon the Owner and BW, which agree that the Agreement shall be reformed to replace such stricken provision or part thereof with a valid and enforceable provision that expresses the intention of the stricken provision; (5) a party’s non-enforcement of any provision shall not constitute a waiver of the provision, nor shall it affect the enforceability of that provision or of the remainder of this Agreement; (6) to the fullest extent permitted by law, all causes of action arising under this Agreement shall be deemed to have accrued, and all statutory periods of limitation shall commence, no later than the date of substantial completion, which is the point where the Project can be utilized for the purposes for which it was intended; (7) this Agreement, together with any other documents incorporated herein by reference, constitutes the sole and entire agreement of the parties with respect to the subject matter of this Agreement and supersedes all prior and contemporaneous understandings, agreements, representations and warranties, both written and oral, with respect to such subject matter; (8) no amendment to or modification of this Agreement is effective unless it is in writing and signed by each party.