




ERIE COUNTY WATER AUTHORITY

INTEROFFICE MEMORANDUM

March 15, 2021

To: Terrence D. McCracken, Secretary to the Authority

From: Leonard F. Kowalski, Executive Engineer 

Subject: Request for Proposals
Corrosion Control Treatment Program - Pipe Loop Demonstration Study
ECWA Project No. 202100012

The Erie County Water Authority (ECWA) recently issued a Request for Proposal (RFP) to complete a Pipe Loop Demonstration Study as the next phase of the Authority's on-going Corrosion Control Treatment Program.

In response to revisions to the Lead and Copper Rule, the Authority has completed two studies to review of the Authority's current corrosion control practices. Based on these investigations, it was recommended that a pipe loop demonstration study be conducted to assess the impact of an orthophosphate addition on potential lead release from existing pipe scales. The study will use a pipe loop rig that physically simulates a residential customer service. Lead service lines harvested from our system will be installed in the rig. Water will flow through the rig in a manner to simulate a typical daily residential water use pattern.

The project consists of completion of a study that will include preparation of a Work Plan to set the test conditions and locations, pipe loop rig fabrication, pipe loop operation, and a final report which will be submitted and reviewed with the Health Department. The project also includes related Corrosion Control Program assistance on an as-needed, hourly rate basis. The 2021 Capital Budget includes funds to complete this project which is expected to be conducted over a period of approximately 24-36 months.

RFPs were issued to three consulting engineers: Arcadis, Brown and Caldwell, and Hazen & Sawyer. The RFP was also posted on ECWA's website. Two firms chose to submit proposals for this project (Arcadis and Hazen & Sawyer). This is a single project requiring one consulting firm.

The proposals were reviewed and discussed among the engineering staff. Experience, staffing, scope, and project approach were considered. It was determined that both firms possessed relevant qualifications to perform the proposed work.

Hazen & Sawyer provided an experienced project team to perform the work and demonstrated experience with similar work. Their fee is competitive and reasonable and within the budget established for the project. The Engineering Department will move forward with negotiations with Hazen & Sawyer to develop a Professional Services Contract for the referenced project.

Budget Information

- Unit 1030 Water Quality Assurance, Item 101459, Optimal Corrosion Control (Pipe Loop)

LFK:MWW:jmf

cc: K.Prendergast
R.Stoll
L.Lester

ERIE COUNTY WATER AUTHORITY
AUTHORIZATION FORM
For Approval/Execution of Documents
(check which apply)

Contract: HS-002 **Project No.:** 202100152
Project Description: Corrosion Control Treatment Program – Pipe Loop Demonstration Study.

Item Description:







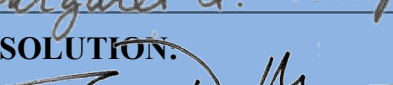
☐ Agreement ☒ Professional Service Contract ☐ Amendment ☐ Change Order
☐ BCD ☐ NYSDOT Agreement ☐ Contract Documents ☐ Addendum
☐ Recommendation for Award of Contract ☐ Recommendation to Reject Bids
☐ Request for Proposals
☐ Other _____

Action Requested:

☒ Board Authorization to Execute ☒ Legal Approval
☐ Board Authorization to Award ☒ Execution by the Chairman
☐ Board Authorization to Advertise for Bids ☐ Execution by the Secretary to the Authority
☐ Board Authorization to Solicit Request for Proposals
☐ Other _____

Approvals Needed:

APPROVED AS TO CONTENT:

<input checked="" type="checkbox"/> Sr Production Engineer		Date: <u>6/16/2021</u>
<input checked="" type="checkbox"/> Chief Operating Officer		Date: <u>6/16/2021</u>
<input checked="" type="checkbox"/> Executive Engineer		Date: <u>06/16/2021</u>
<input checked="" type="checkbox"/> Director of Administration		Date: <u>06/16/2021</u>
<input checked="" type="checkbox"/> Risk Manager		Date: <u>06/16/2021</u>
<input checked="" type="checkbox"/> Chief Financial Officer		Date: <u>06/16/2021</u>
<input checked="" type="checkbox"/> Legal		Date: <u>06/16/2021</u>

APPROVED FOR BOARD RESOLUTION:

☒ Secretary to the Authority  Date: 06/16/2021

Remarks: contingent upon receipt of corrected COI (list RFP # not Project #)-MJM

Resolution Date: _____

Item No: _____




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Budget Information

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LFK:MWW:jmf

cc: K.Prendergast
R.Stoll
L.Lester

**PROFESSIONAL SERVICES AGREEMENT
FOR ENGINEERING SERVICES**

This Agreement, effective as of June 24, 2021 (“Effective Date”), is by and between

ERIE COUNTY WATER AUTHORITY

295 Main Street, Room 350
Buffalo, New York 14203

hereinafter referred to as the “Authority,” and

HAZEN AND SAWYER

498 Seventh Avenue, 11th Floor
New York, NY 10018

hereinafter referred to as the “Engineer.”

The Authority project, for which engineering services are to be provided under this Agreement, relates to completion of a pipe loop demonstration study (the “Project”) as part of the continuation of the Authority’s overall Corrosion Control Treatment Program. The pipe loop demonstration study will assist the Authority with examining the anticipated impacts of the Lead and Copper Rule Revisions (“LCRR”) and developing a strategy to reduce potential compliance impacts.

In consideration of the mutual promises set forth in this Agreement, the Authority and the Engineer agrees as follows:

ARTICLE 1 – THE PROJECT

1.01 Background

- A. The Authority completed its initial corrosion control evaluation in 1994 in response to the Lead and Copper Rule (LCR). The study concluded that the Authority’s existing corrosion control strategy of adjusting the finished water target pH to 8.0 was effective in meeting the requirements of the Rule.
- B. Growth of the Authority’s system and the proposed LCRR resulted in two studies to review of the Authority’s current corrosion control practices.
 - 1. The recommendations of the March 2020 Corrosion Control Desktop Evaluation by Arcadis/Cornwell Engineering Group included the completion of demonstration testing to assess the effectiveness of orthophosphate addition.

2. The follow-up Bench-top Lead Solubility Study utilized lead coupons to screen and recommend orthophosphate dose conditions for pipe loop demonstration testing and included analysis of the relative lead solubility impacts of various blends of Authority and City of Buffalo waters to account for existing/future interconnections of the two distribution systems. The bench-top study recommended a pipe loop demonstration study be conducted using harvested lead service line materials from the distribution system to assess the impact of orthophosphate addition on lead release from existing pipe scales.

1.02 The Authority intends to continue its on-going Corrosion Control Treatment Program with the completion of a pipe loop demonstration study, the scope of which is described below.

1.03 The study shall include the completion of a pipe loop demonstration testing work plan, pipe loop rig design and procurement for one (1) flow-through pipe loop rig to be located at an Authority property (“on-site” pipe loop rig) and one (1) recirculating laboratory-scale pipe loop rig to be located at Washington University (“laboratory” pipe loop rig). The study also includes pipe loop operation and maintenance, Corrosion Control Program assistance (sequential sampling and water quality dashboard development) and a final report.

1.04 The pipe loop demonstration study will examine the effectiveness of adding an orthophosphate corrosion inhibitor, consistent with USEPA guidelines and the LCR Revisions. In addition, the study will evaluate the formation and stability of a Pb(IV) scale. Results from the laboratory recirculating pipe loop will complement the results of the on-site pipe loop to investigate Pb(IV) scales under controlled conditions using harvested lead service lines (LSLs) from the Authority’s system.

1.05 The on-site pipe loop rig shall consist of a total of eighteen (18) individual harvested lead service line pipe loops (three conditions with six replicate loops) and three replicates of copper pipe with leaded solder for each test condition. The demonstration study will consist of two sequential testing phases to evaluate potential pH changes after introduction of orthophosphate.

1.06 The laboratory-scale pipe loop will consist of four test conditions, each with three replicates of harvested LSLs provided by the Authority. The laboratory-scale pipe loop will evaluate the following conditions (to be finalized in collaboration with the Authority), focusing on Pb(IV) stability: baseline conditions with stable free chlorine and pH levels, conditions with low chlorine residuals and/or extended service line stagnation, impacts of distribution system blending of water from the City of Buffalo system with a blended phosphate corrosion inhibitor and lower pH levels, and impacts of orthophosphate on existing Pb(IV) scales exposed to adverse conditions such as low free chlorine or extended stagnation.

ARTICLE 2 – COMPLIANCE STANDARDS

2.01 *Standard of Performance*

- A. ***Standard of Care:*** The Engineer shall be held to the same standard of care applicable to any consultant providing professional engineering and related services. The Engineer shall use the same care and skill ordinarily used by members of the subject profession practicing under similar circumstances at the time and in the same locality.
- B. ***Technical Accuracy:*** The Authority shall not be responsible for discovering deficiencies in the technical accuracy of the Engineer's services. The Engineer shall correct deficiencies in technical accuracy without additional compensation unless such corrective action is directly attributable to deficiencies in Authority-furnished information.

2.02 *Compliance with Laws and Regulations, and Policies and Procedures*

- A. The Authority and the Engineer shall comply with all applicable federal, state or local laws and regulations and all applicable Authority policies and procedures.
- B. The Engineer shall comply with the provisions set forth in Public Authorities Law §§ 2875, 2876, and 2878 of the laws of the State of New York. The Engineer submitted and signed the Public Authorities Law forms, a copy of which are attached to, and incorporated in, this Agreement as Appendix A.
- C. The Engineer shall comply with the provisions set forth in State Finance Law §§ 139-j and 139-k. In response to the Authority's Request for Proposals, the Engineer submitted and signed Forms A, B, and C, a copy of which is attached to, and incorporated in, this Agreement as Appendix A.
- D. By executing this Agreement, the Engineer affirms under the penalties of perjury that there was no collusion in the proposal submitted to the Authority, upon which forms the basis of this Agreement.
- E. The Engineer shall comply with the provisions of the Human Rights Law (Executive Law § 290, *et. seq.*) and Labor Law § 201-g of the laws of the State of New York. The Engineer submitted and signed the Statement Regarding Prevention of Unlawful Discriminatory Practices, a copy of which is attached to, and incorporated in, this Agreement, as Appendix A.
- F. The Engineer shall comply with the provisions of the Shield Act, codified at General Business Law § 899-aa of the laws of the State of New York.
- G. The Authority shall provide the Engineer in writing any and all Authority policies and procedures applicable to the Engineer's performance of services under this

Agreement. The Engineer agrees to comply with such policies and procedures to the extent compliance is not inconsistent with professional practice requirements.

- H. If the Engineer, its employees, agents, and/or subcontractors, wish to access any Authority property, they must notify the Authority's Security Officer and provide the following information: (a) government-issued photo identification for all site visitors; (b) a detailed statement indicating the purpose for the visit; (c) proposed date and time for the site visit; (d) the estimated start and finish time for the site visit; and (e) any additional information reasonably requested by the Authority's Security Officer. No person may visit any Authority Property without the authorization of the Authority and/or its Security Officer. While on Authority property, the Engineer's employees, representatives, and engineers shall comply with the specific applicable security and access rules established by the Authority's Security Officer.

2.03 Health Screening Questionnaire. Whenever the Authority is operating under a Declaration of Emergency, the Engineer, its employees, and agents shall comply with all health and safety rules and regulations adopted by the State of New York or the Authority including, but not limited to, completing a health screening questionnaire before entering any Authority worksite.

2.04 Unknown Conditions. The Engineer shall not be required to sign any documents, no matter by whom requested, that would result in the Engineer having to certify, guarantee, or warrant the existence of conditions whose existence the Engineer cannot ascertain. The Authority agrees not to make resolution of any dispute with the Engineer for payment on any amount due to the Engineer in any way contingent upon the Engineer signing any such documents.

ARTICLE 3 – SCOPE OF SERVICE

3.01 Project Initiation and Reporting. The Engineer shall provide project initiation and reporting services necessary to complete the pipe loop demonstration testing study including, but not limited to, the following:

A. Preliminary and Due Diligence Investigation

1. In contemplation of the pipe loop demonstration study, the Engineer shall:
 - a. Prepare and submit a list of Authority information and data required to complete the project.
 - b. Review documents specific to the Authority's Corrosion Control Treatment Program including recent desktop and benchtop evaluations, water quality information, monthly operating reports (MORs), and standard operating practices (SOPs).
 - c. Schedule and conduct a project kick-off meeting with Authority personnel including

- i. Prepare and distribute meeting agenda.
- ii. Establish team member roles, lines of communication, initial project schedule, and near-term action items.
- iii. Discuss the process to establish pipe loop locations, quantity of test conditions, and study equipment including the on-site and laboratory pipe loop rig materials and instruments.
- d. Provide associated meeting minutes within ten (10) calendar days of the meeting date.

B. *Meetings and Reports.*

- 1. Throughout the pipe loop demonstration study, the Engineer shall:
 - a. Conference with the Authority and other related Project stakeholders, as necessary and as required;
 - b. Report to the Authority bi-weekly on the progress of the work via email, with the following information:
 - i. Work performed during the previous two weeks;
 - ii. Work scheduled for the next two weeks;
 - iii. Schedule status/deliverable status, attaching an updated project schedule in Microsoft Project format, identifying all project milestones, cashflow and current project status;
 - iv. Budget status/percent completed;
 - v. Input needed from the Authority or others;
 - vi. Requests for scope changes; and
 - vii. Other issues or concerns;
 - c. Provide bi-weekly update as to the progress of the testing program including operational issues, modifications, and results of laboratory sample analyses to date.

3.02 Pipe Loop Testing Work Plan. The Engineer shall provide all engineering services necessary to prepare a Work Plan for the pipe loop demonstration study including, but not limited to:

- A. Following the review of all documentation and site inspections, the Engineer shall determine, document, and recommend:

1. **On-Site Pipe Loop Location:** The Engineer shall assess up to three potential Authority facility locations for the on-site pipe loop system considering water quality conditions, available space, security, accessibility, chemical delivery and handling, water supply, drain, and electrical and SCADA needs, and will provide recommended on-site pipe loop system location(s).
2. **Test Conditions:** The Engineer will coordinate with the Authority to finalize the corrosion control treatment test conditions and water quality targets and identify any deviations from the recommendations of previous work. The on-site pipe loop will include three (3) test conditions, each with six (6) pipe replicates. The Engineer will review of up to three years of historical water quality data to assist in establishing representative test conditions.
3. **Chemical:** The Engineer will coordinate with the Authority to obtain chemical samples and recommend a corrosion inhibitor product for testing.
4. **Pipe Loop Sampling Plan:** The Engineer will develop a sampling plan for monitoring lead release from the on-site pipe loop, including provisions for particulate and total lead measurements. The plan will define the laboratories to be used for sample analysis. The plan will describe water quality monitoring procedures for parameters such as pH, chlorine residual, and orthophosphate.
5. **Pipe Loop Operation Protocol:** The Engineer will define the flow schedule, operational checks, and functionality of the on-site pipe loop. The Work Plan will describe the pipe conditioning procedure upon placement of harvested lead service lines into the loop.
6. **Pipe Harvesting Procedures:** The Engineer will provide guidelines for Authority harvesting of LSLs to be placed into the pipe loop, including removal, transportation, storage, and installation.
7. **Scale Analysis:** The Engineer will develop a plan for scale analysis of harvested lead service lines prior to and after the pipe loop testing phase. The Engineer will provide guidelines for preservation and shipping of LSL samples for scale analysis.
8. **Conceptual Design:** The Work Plan will include the basis of design for the on-site pipe loop system, describing component sizing, chemical feed systems, and water sources. In addition, the plan will include a description and schematic of the recirculating laboratory pipe loop apparatus.
9. **Testing Schedule:** The Engineer shall prepare a schedule for the conditioning and testing phases of the on-site pipe loop study. The Work Plan will describe the proposed weekly schedule for pipe operation and site visits to coordinate site access needs with the Authority.

10. **Data Management:** The Work Plan will describe data handling procedures and will include an electronic template to be used for tracking and trending pipe loop results for the on-site pipe loop. Describe decision criteria and methodology used to evaluate the results and basis for recommendations.
 11. **Laboratory-Scale Pipe Loop Experimental Plan:** The Work Plan will include a written experimental plan for the laboratory scale pipe loop. The Engineer will be responsible for the fabrication, operation, water quality monitoring, lead sampling, and scale analysis of the recirculating laboratory pipe loop.
- B. The Engineer will facilitate at least two (2) workshop-style meetings with the Authority under this task. Provide meeting minutes to the Authority within ten (10) calendar days.
 - C. The Engineer shall prepare a draft Work Plan report, setting the factors considered by the Engineer including, but not limited to, those specifically identified in paragraph A of this section. The Engineer shall supply the Authority with five (5) copies of the draft Work Plan Report with supporting documentation, along with a digital .pdf file of the draft Work Plan Report with supporting documentation.
 - D. The Engineer shall meet with the Authority as necessary to review the draft Work Plan Report and will incorporate all comments into a final version. The Engineer shall supply the Authority with ten (10) copies of the final Work Plan Report with supporting documentation, along with a digital .pdf file of the final Work Plan Report with supporting documentation. The Engineer shall submit the final Work Plan Report with supporting documentation to the Erie County Health Department and New York State Health Department (as applicable) for review and approval.

3.03 Pipe Loop Rig System – Design & Procurement. The Engineer shall provide all engineering services necessary for the design, off-site fabrication, and equipment lease relating to the on-site pipe loop rig system from a specialized vendor including the following:

- A. The Engineer shall develop the procurement documents including schematic drawings and a narrative description of the pipe loop system configuration and operation. The on-site pipe loop procurement documents will include the following:
 1. Schematic drawing of the pipe loop configuration, quantity of test conditions, and number of replicates.
 2. Description of pilot-scale chemical feed system for corrosion inhibitor, including chemical storage volumes and chemical feed rates.
 3. Identification of valves and instruments for flow adjustment and control.
 4. Description of connections, length, and support for harvested pipe segments.

5. Description of pipe loop system controls functionality including I/O list for component (flow, water quality, pump status, etc.) integration into the Authority's SCADA system.
 6. Description of electrical supply requirements.
 7. Identification of required water quality monitoring instruments and type.
- B. The Engineer shall prepare a request for proposals ("RFP") for the leasing of a pipe loop system, including a list of proposed vendors, and criteria for evaluating vendor proposals and other criteria for the selection of a leasing vendor (i.e., cost, qualifications, approach, and other factors).
1. The Engineer must seek approval from the Authority's Chief Financial Officer, Executive Engineer, and Director of Administration prior to the publication of the "RFP." The Engineer and Authority Personnel do not need approval from the Authority's Board of Commissioners (the "Board") prior to the publication of the RFP.
 2. The Authority will post the approved RFP on its website.
- C. The Engineer shall review with Authority personnel proposals provided by three (3) potential pipe loop vendors and provide a selection recommendation to the Board.
1. The Board shall be responsible for the awarding of a professional service agreement or equipment lease with the pipe loop vendor.
 2. Authority Personnel will assist the Engineer with the Board filing procedure relating to contract awards.
- D. The Engineer shall provide scope of work documents including up to two schematic drawings for modifications required to install the on-site pipe loop at the selected Authority location. The Authority will be responsible for the construction of on-site modifications.
- E. In the design modification documents, the Engineer shall identify:
1. Water source including plumbing modifications to supply up to two sources of water to the on-site pipe loop. Identify pipe material, diameter, and necessary valving.
 2. Drainage pipe modifications to an existing sanitary sewer or other suitable existing drain. Identify pipe material, diameter, and necessary valving.

3. Electrical power requirements including all materials necessary to extend power to the pipe loop from an existing panelboard. Control/SCADA improvement design will be the responsibility of the Authority.
- F. The Engineer will facilitate at least two (2) meetings with the Authority under this task and will provide meeting minutes to the Authority within ten (10) calendar days.
- G. The Engineer shall prepare a draft design of the pipe loop system and equipment lease procurement documents and the draft facility modifications documents, setting the factors considered by the Engineer including, but not limited to, those specifically identified in paragraphs A through E of this section. The Engineer shall supply the Authority with five (5) copies of the draft documentation, along with a digital .pdf file.
- H. The Engineer shall meet with the Authority as necessary to review the draft pipe loop system and equipment lease procurement documents and the draft facility modifications documents and will incorporate all comments into a final version. The Engineer shall supply the Authority with ten (10) copies of the final documents along with a digital .pdf file.

3.04 Pipe Loop Operation and Maintenance. The Engineer shall provide all engineering services necessary to operate, sample and analyze, monitor, and maintain the on-site pipe loop system as part of the overall pipe loop demonstration testing study including, but not limited to, the following:

A. *Pipe Loop Mobilization*

1. The Engineer shall secure the on-site pipe loop system through a professional service agreement or equipment lease between the Authority and the selected vendor.
2. The Engineer shall coordinate delivery of the on-site pipe loop rig to the site identified in the Work Plan.
3. The Engineer shall coordinate with the Authority for the demobilization and return to the vendor of the on-site pipe loop rig following conclusion of the study.

B. *Pipe Loop Start-up:*

1. The Engineer shall inspect the pipe loop rig as delivered to the on-site test location and confirm conformance with the procurement documents.
2. The Engineer will set flow rates to each pipe segment, monitor automated flow cycles, and monitor the operation of pilot-scale chemical feed equipment.

3. The Engineer will place the harvested pipes into the pipe loop at the initiation of the conditioning phase. The LSL segments will be harvested by the Authority after installation and startup of the pipe loop. The Engineer will coordinate with the Authority when suitable harvested LSLs are located and promptly place them into the pipe loop for conditioning.
4. The Engineer will conduct pre-conditioning phase scale analysis as recommended in the Work Plan. The Engineer shall include a minimum of two (2) pre-conditioning pipe scale analysis from the on-site rig.
5. The Engineer will supervise the conditioning of the pipe loops in preparation for the study. The Engineer shall complete analysis of sampling results to determine when the harvested pipe segments have formed a suitable scale and the demonstration study may commence. The Engineer shall assume a six (6) month conditioning period.

C. *Operation and Monitoring of Pipe Loops*

1. The Engineer shall provide operation and monitoring of the on-site pipe loop system, providing on average two site visits per week. The Engineer shall assume a twelve (12) month operation period.
2. The Engineer shall collect and analyze the pipe loop samples in accordance with the Work Plan. Water quality monitoring for key parameters (e.g., pH, chlorine residual, orthophosphate) will be conducted on-site a minimum of two times per week using bench-top analytical equipment and continuous water quality instruments. The Engineer shall compare results with applicable Authority routine monitoring including monthly operating reports. The Engineer shall interpret the sample results.
3. The Engineer shall troubleshoot and adjust the operation of the pipe loop rigs accordingly to meet the operating requirements identified in the Work Plan. During each site visit, the pipe loop system will be examined for any leaks or operational issues. The Engineer will be promptly communicated any operational concerns to the Authority.

D. *Laboratory Sampling and Analysis*

1. The Engineer shall obtain, transport/deliver, and interpret all samples during the conditioning and operating period in accordance with the approved Work Plan. Sample collection and laboratory analysis shall be based on a six (6) month conditioning period and twelve (12) month operating period.
2. The Engineer will collect and analyze lead samples from each individual loop LSL segment after the specified stagnation period, with

- a. Total lead being analyzed weekly during the conditioning and operating phases of the pipe loop study. Particulate and total lead levels (filtered sample) will be analyzed monthly during the conditioning and operating phases of the pipe loop study;
 - b. Metals sampling and analysis shall be conducted monthly following the general guidance of EPA Method 200.8. Additional analysis of split samples shall be conducted by a third-party certified lab; up to four rounds of weekly metals samples (i.e., up to 72 samples) will be analyzed by a certified lab.
3. The Engineer will perform pipe scale analysis of LSLs harvested from the on-site loop prior to conditioning and following corrosion control testing, with
 - a. A total of sixteen (16) harvested LSL segments will be analyzed for the on-site pipe loop.
 - b. Each LSL scale layer will be analyzed by X-ray diffraction, X-ray fluorescence, and ICP-MS.
4. The Engineer will track and document on-site pipe loop results in the electronic template developed in the Work Plan.
5. The Engineer will conduct and report results from the laboratory-scale recirculating pipe loop, apparatus fabrication, system operation, water quality monitoring, lead sampling, and additional scale analysis in accordance with the Work Plan.
6. In conjunction with § 3.01, Paragraph B, the Engineer will submit to the Authority updated results for the on-site and laboratory pipe loops every two weeks.

3.05 Pipe Loop Testing Report. The Engineer shall provide all engineering services necessary to prepare a Pipe Loop Testing Report for the pipe loop demonstration testing program including, but not limited to:

- A. Following compilation and analysis of the pipe loop study results, the Engineer will hold an initial review workshop with the Authority to present the findings and obtain input from the Authority. Provide meeting minutes to the Authority within ten (10) calendar days.
- B. The Engineer shall prepare a report summarizing the pipe loop demonstration project findings and making recommendations for the best course of action to ensure compliance with LCRR in consideration of other drinking water quality regulations. In general, the report shall include:
 1. Description of pipe loop testing methodology.

2. Analysis of metals release results from pipe loop testing.
 3. Analysis of observed water quality conditions from pipe loop monitoring.
 4. Effectiveness of corrosion control treatment to minimize lead release.
 5. Summary of scale analysis results, correlated with lead release observations.
 6. Recommendations for implementation of optimal corrosion control treatment.
- C. The Engineer shall supply the Authority with five (5) copies of the draft Pipe Loop Testing Report with supporting documentation, along with a digital .pdf file of the draft Pipe Loop Testing Report with supporting documentation.
 - D. The Engineer shall meet with the Authority to review the draft Pipe Loop Testing Report and will incorporate all comments into a final version, and will provide meeting minutes to the Authority within ten (10) calendar days.
 - E. The Engineer shall supply the Authority with ten (10) copies of the final Pipe Loop Testing Report with supporting documentation, along with a digital .pdf file of the final Pipe Loop Testing Report with supporting documentation. The Engineer shall submit the final Pipe Loop Testing Report with supporting documentation to the Erie County Health Department and New York State Health Department (as applicable) for review and approval.

3.06 Corrosion Control Program Assistance. The Engineer shall provide the following services in support of the project and the Authority's Corrosion Control Program.

- A. ***Sequential Sampling:*** In support of documentation of baseline lead levels in the system and assessing pipe harvesting needs for the pipe loop study, the Engineer will perform sequential sampling at ten (10) sites with LSLs in collaboration with Authority staff. The Engineer shall:
 1. Develop a written sequential sampling protocol describing the materials, methods, and sampling process. The protocol will also serve as a resource for any future investigative sampling efforts by the Authority.
 2. Provide guidance for criteria affecting sample site selection and geographic locations of the system for sampling. Site selection should be planned for sampling, scale analysis, and pipe harvesting needs.
 3. Conduct a conference call to discuss planning, customer coordination, and logistics for the sequential sampling.
 4. Provide guidance for strategies to identify LSLs at the sequential sampling sites. The Authority will be responsible for identification of sites with LSLs, including any field investigation needs to confirm service line materials.

5. Assist with customer outreach by providing a description of the sequential sampling process and customer coordination needs and developing a draft customer participation request letter for use by the Authority. The Authority will be responsible for contacting customers and scheduling appointments for sequential sampling.
6. Provide hands-on training of Authority staff for sequential sampling. Accompany Authority staff to perform sequential sampling at two (2) sampling sites during a single visit (e.g., up to two consecutive days) to provide additional training and guidance on sample collection. It is anticipated that the Authority will collect sequential samples at an additional eight (8) sites, for a total of ten (10) sites.
7. Analyze sequential sampling results and develop a lead profile graph for each site.
8. Results from sequential sampling will be submitted to the Authority and incorporated into the pipe loop testing report.

B. ***Water Quality Dashboard.*** The Engineer will develop a Power BI dashboard for viewing data from the Authority's routine distribution system water quality monitoring and LCR compliance monitoring.

1. The Engineer will develop and deliver a dashboard using Microsoft Power BI Desktop software, having:
 - a. as its core deliverable, a Power BI Desktop file with a .pbix file extension.
 - b. the ability to be opened and used by anyone with the Power BI Desktop application, with training being provided by the Engineer to all users of the dashboard.
2. The Engineer shall design the dashboard to include:
 - a. Dashboard configuration data including global settings, study specifications, small lookup tables, and metadata for Authority sampling locations or other data sources.
 - b. Distribution system water quality data from the past five (5) years including up to 7 parameters, such as pH, chlorine residual, alkalinity, aluminum.
 - c. Routine LCR compliance tap sampling data from the last ten (10) years of LCR sampling.

3. The Engineer will source the dashboard data from the Authority's LIMS database/AS400 or in a contemporary bulk data storage format (e.g. .csv, .mdb, .sql backup, or similar).
4. The Engineer will configure the dashboard to acquire new data automatically via an application for data acquisition and manipulation that is embedded within Microsoft Power BI and Excel. The Engineer shall review the overall query structure and data flow with Authority technical staff. The dashboard will be configured with a Power BI data model (aka database schema) and a system of measures appropriate for use with timeseries water quality data.
5. The Engineer will populate up to six dashboard pages for viewing data inventory, viewing latest values, and conducting basic timeseries plotting, aggregation, and analysis.
6. The Engineer will create report pages with one or more map visualizations, showing distribution system sample locations and LCR sample locations with known latitude and longitude.
 - a. The Authority will provide a table of site locations with identifiers and latitude and longitude; the scope does not include geocoding of street addresses for Power BI mapping.
 - b. The map visualization will allow colorization of point locations based on the selected water quality parameter. The map visualization will also display data, metadata, or thumbnail tables/charts when the user hovers over a location.
 - c. The report pages will be configured to serve as modular building blocks such that pages can be added or further customized to best meet the needs of Authority end users.
7. The Engineer will develop tooltips or populate metadata fields to promote transparency and clarity for the Authority.
8. The Engineer will deliver a beta version to the Authority and will provide up to 4 hours of training to Authority users on that version. The Engineer will respond to comments on the beta version received within a two-week acceptance testing period with modifications being limited to core functionalities that can reasonably be developed within the project context.
9. The Engineer will deliver a final version of the tool and will provide up to sixteen (16) hours of ad hoc training, support, or customization services.

3.07 Special Services.

- A. The Engineer may employ one or more of the following special services in carrying out the Project, subject to the Authority's approval:
1. Air, water, and/or soil sampling, testing, and/or analysis beyond that required by the base scope of work;
 2. Detailed mill, shop and/or laboratory inspection of materials and equipment not specifically identified elsewhere in the scope of services;
 3. Hazardous material testing and assessment;
 4. Technical assistance with operation and maintenance manuals;
 5. Start-up services relating to equipment to be installed by others;
 6. Assistance with grant research, completion of grant applications, and reporting/documentation after award;
 7. Extra travel and subsistence for the Engineer and its staff beyond that normally required under ordinary circumstances, when authorized by the Authority;
 8. Assistance with public relations and communications;
 9. Other services, as deemed necessary by the Authority's Chief Operating Officer and Chief Financial Officers.
- B. **Reliance on Others.** Subject to the standard of care set forth in § 2.01, paragraph A, the Engineer and its special services consultants may use or rely upon design elements and information ordinarily or customarily furnished by others including, but not limited to, specialty contractors, manufacturers, suppliers, and the publishers of technical standards.
- C. **Expert Witness Assistance.** The Engineer agrees to assist the Authority as an expert witness in litigation arising from the project development and construction, even if such assistance is requested by the Authority after the expiration or termination of this Agreement.

3.08 Service Timeframe. Unless otherwise extended by mutual agreement of the parties, the Engineer will render professional services relating to this Project within the following timeframe:

- A. All services under § 3.02 of this Agreement, Pipe Loop Testing Work Plan, shall be completed and delivered to the Authority within 90 days of the issuance of the Authority's notice to proceed;

- B. All services under § 3.03 of this Agreement, Pipe Loop Rig System – Design & Procurement, shall be completed and delivered to the Authority within 120 days of the conclusion of the scope of work of § 3.02 of this Agreement, Pipe Loop Testing Work Plan;
- C. All services under § 3.05 of this Agreement, Pipe Loop Testing Report, shall be completed and delivered to the Authority within 120 days following the conclusion of the scope of work of § 3.04 of this Agreement, Pipe Loop Operation and Maintenance.

ARTICLE 4 – PAYMENT OF PROFESSIONAL SERVICES

4.01 Lump Sum Payments: The Engineer agrees to accept a lump sum payment for the following services:

- A. ***Project Initiation and Reporting:*** For services described under § 3.01 of this Agreement, the Authority shall pay Engineer a lump sum which will include all expense, labor and cost associated with this service. Payment will be made monthly based on the percentage of completion up to 100% of the total lump sum amount.
- B. ***Pipe Loop Testing Work Plan:*** For services described under § 3.02 of this Agreement, the Authority shall pay Engineer a lump sum which will include all expense, labor and cost associated with this service. Payment will be made monthly based on the percentage of completion up to 100% of the total lump sum amount.
- C. ***Pipe Loop Rig System – Design and Procurement:*** For services described under § 3.03 of this Agreement, the Authority shall pay Engineer a lump sum which will include all expense, labor and cost associated with this service. Payment will be made monthly based on the percentage of completion up to 70% of the total lump sum amount. After submission by the Engineer to the Authority of a draft set of Contract Documents, payment will be made monthly based on the percentage of completion up to 90% of the total lump sum amount. The balance will be paid when the final Contract Documents are submitted to the Authority.
- D. ***Pipe Loop Testing Report:*** For services described under § 3.05 of this Agreement, the Authority shall pay Engineer a lump sum which will include all expense, labor and cost associated with this service. Payment will be made monthly based on the percentage of completion up to 100% of the total lump sum amount.

4.02 Pipe Loop Operation and Maintenance Services: For services described under § 3.04 of this Agreement, the Authority shall pay the Engineer at the fixed rates included in Appendix B of this Agreement and direct non-salary expenses (including laboratory water quality and scale analysis [18-month period], sampling equipment and supplies, pipe loop materials [Washington University laboratory loop], travel, shipping and printing). Payment will be made monthly. Payments for labor services will be based on detailed actual hours worked with a total labor cost not to exceed the cost identified in § 4.06, Paragraph B, Item 1.

4.03 Corrosion Control Program Assistance: For services described under § 3.08 of this Agreement, the Authority shall pay the Engineer at the fixed rates included in Appendix C of this Agreement and direct non-salary expenses. Payment will be made monthly. Payments for services will be based on detailed actual hours worked with a total labor cost not to exceed the costs identified in § 4.06, Paragraph B, Item 2.

4.05 Special Services: For services described under § 3.07 of this Agreement, the Authority shall pay the Engineer for special services pre-approved by the Authority's Chief Operating Officer in an amount approved by the Authority's Chief Financial Officer.

- A. When the Engineer is performing the special services described in § 3.07 of this Agreement, such services will be billed at the fixed rates included in Appendix D of this Agreement.
- B. When the Engineer obtains special services from a third party, the Engineer will be reimbursed based on the actual invoice cost paid by the Engineer, plus 5%.

4.06 Engineering Cost Schedule:

A. *Engineering Costs:*

1. Lump Sum – Project Initiation and Reporting	\$26,500.00
2. Lump Sum – Pipe Loop Testing Work Plan	\$31,900.00
3. Lump Sum – Pipe Loop Rig System – Design	\$47,000.00
4. Lump Sum – Pipe Loop Testing Report	\$53,000.00

TOTAL LUMP SUM COST: \$158,400.00

B. *Hourly Costs (not to exceed)*

1. Pipe Loop Operation and Maintenance	\$329,400.00
2. Corrosion Control Program Assistance	\$ 81,300.00

C. *Special Services (not to exceed)* \$ 50,000.00

D. *Other Costs:*

1. Estimated Mileage (IRS rate)	\$0.56 per mile
2. Estimated Copy Costs (per copy)	\$0.05 per sheet
3. Prints (per print)	\$1.00 per print
4. Subcontractor Expenses, invoiced as special services	Cost plus 5% maximum
5. Other Direct Non-Salary Costs (including laboratory water quality and scale analysis, sampling equipment and supplies, pipe loop materials, shipping)	At cost

Total Estimated Direct Non-Salary Costs (not to exceed) \$115,900.00

4.07 Audit: The Authority reserves the right to audit the Engineer's records to verify bills submitted and representations made. For this purpose, the Engineer agrees to make company records available for inspection upon written notice by the Authority. The Authority shall have two years from the date of the Engineer's final bill to complete its audit. If the audit establishes an overcharge, the Engineer agrees to refund the excess.

ARTICLE 5 – GENERAL PROVISIONS

5.01 Subcontract and Assignments: The Engineer may not subcontract or delegate any of the work, services, and/or other obligations of the Engineer without the express written consent of the Authority's Executive Staff. The Authority and the Engineer bind themselves and their successors, administrators and assigns to the terms of this Agreement. The Engineer shall not assign, sublet or transfer its interest in the Agreement without the written consent of the Authority.

5.02 Amendments: Any modification or variation from the terms of this Agreement must be in writing, authorized by a resolution of the Board of Commissioners of the Authority, and signed by all parties to be effective.

5.03 Right to Terminate: The Authority reserves the right to terminate the Engineer's services at any time, without cause, based on seven (7) days' written notice. The Engineer shall not be entitled to lost profit and shall perform only such services, after notification of termination, as the Authority directs.

5.04 Indemnification:

- A. To the fullest extent permitted by law, the Engineer agrees to indemnify and hold the Authority harmless from all third party claims, liabilities, damages and costs (including all reasonable attorney's fees, and cost of defense) to which the Authority, its officers, directors and employees may be subject to, arising out of the death or bodily injury to any person or the destruction or damage to any property to the extent caused by the negligent acts, errors or omissions, or willful misconduct of the Engineer's performance of professional services provided under this Agreement and those of its subcontractors or anyone for whom the Engineer is legally liable.
- B. To the fullest extent permitted by law, the Authority agrees to indemnify and hold the Engineer harmless from all third party claims, liabilities, damages and costs (including all reasonable attorney's fees and cost of defense) to the extent caused by the negligent acts, errors or omissions of the Authority, its contractors, engineers, or anyone for whom the Authority is legally liable.

5.05 Confidential Information:

- A. To assist the Engineer in the performance of this Agreement, the Authority may provide the Engineer with confidential information including, but not limited to information relative to the services to be performed. All information received by the Engineer in any fashion and under any conditions resulting from the rendering

of the services in consideration of this agreement, are considered confidential. The Engineer shall hold in confidence and not disclose to any person or any entity, any information regarding information learned during the performance of services including but not limited to information relative to the services to be performed.

- B. The Engineer shall use at least the same degree of care to protect and prevent unauthorized disclosure of any confidential information as it would use to protect and prevent unauthorized disclosure of its own proprietary information. The Engineer shall use confidential information only in the performance of this Agreement. No other use of the confidential information whether for the Engineer's benefit or for the benefit of others shall be permitted.
- C. In no event is the Engineer authorized to disclose confidential information without the prior written approval of the Authority. The Engineer may provide such information to its subcontractors for the purpose of performing the services; or disclose such information, with notice to the Authority, if such information is required to be disclosed by law or court order.
- D. The terms of this section shall be binding during and after the expiration or termination of this Agreement.

5.06 Insurance:

- A. The Engineer shall secure and maintain such insurance as will protect itself from claims under the Workers' Compensation Act; claims for damages because of bodily injury, including personal injury, sickness or disease, or death of any of its employees or of any person other than its employees; and from claims for damages because of injury to or destruction of property including loss of use resulting therefrom in the amounts indicated on Appendix E.
- B. The Engineer shall provide and maintain insurance that will provide coverage for claims arising out of the negligent performance of its services.
- C. The Engineer shall provide Certificates of Insurance certifying the coverage required by this provision.
- D. The Engineer shall provide the name of an employee who will be responsible for providing the Authority with current and updated Certificates of Insurance. The Authority will require the name of the employee, the employee's phone number and email address.
- E. The Engineer agrees to require all direct or indirect subcontractors to procure and maintain insurance in accordance with the Insurance Requirements, as set forth in the Addendum Agreement attached as Appendix E-2.

5.07 Copyrights, Trademarks and Licensing: The Engineer agrees all materials or work produced under this Agreement, whether produced by the Engineer alone or with others, and regardless of whether produced during regular working hours, shall be considered work made for

hire and the property of the Authority. The Engineer shall, during and after the terms of this Agreement, assign to the Authority, without further consideration, all right, title and interest in all material produced under this Agreement. All material produced under this Agreement shall be and remain the property of the Authority whether registered or not.

5.08 New York Law and Jurisdiction: Notwithstanding any other provision of this Agreement, any dispute concerning any question of fact or law arising under this Agreement which is not disposed of by agreement between the Engineer and the Authority shall be governed, interpreted and decided by a court of competent jurisdiction of the State of New York in accordance with the laws of the State of New York.

5.09 Conflicts of Interest: The Engineer represents that it has advised the Authority in writing prior to the date of signing this Agreement of any relationships with third parties, including competitors of the Authority, which would present a conflict of interest with the rendering of the services, or which would prevent the Engineer from carrying out the terms of this Agreement or which would present a significant opportunity for the disclosure of confidential information. The Engineer will advise the Authority of any such relationships that arise during the term of this Agreement. The Authority shall then have the option to terminate the Agreement without being subject to further obligations under its terms, except for the payment of services already rendered by the Engineer. So long as the Engineer reports such a conflict as required by this section, the Engineer will have no further obligations for completing the scope of services under the terms of this Agreement.

5.10 Additional Conditions: The Engineer and the Authority acknowledge that there may be additional conditions, terms and provisions which shall apply specifically to the services to be performed. The parties agree to negotiate in good faith to agree upon such additional terms.

5.11 Entire Agreement: This Agreement constitutes the entire understanding of the parties and no representations or agreements, oral or written, made prior to its execution shall vary or modify the terms herein. This Agreement supersedes all prior contemporaneous communications, representations, or agreements, whether oral or written with respect to the subject matter hereof and has been induced by no representations, statements or agreements other than those herein expressed. No subsequent agreement made between the parties shall be binding on either party unless reduced to writing and signed by an authorized officer of the party sought to be bound by such agreement.

5.12 Independent Status:

- A. Nothing contained in the Agreement shall be construed to render either the Authority or the Engineer, an owner, member, officer, partner, employee or agent of the other, nor shall either party have authority to bind the other in any manner, other than as set forth in this Agreement, it being intended that the Engineer shall remain an independent contractor responsible for its own actions. The Engineer is retained by the Authority only for the purpose and to the extent set forth in this Agreement.

- B. The Engineer is free to choose the aggregate number of hours worked and the scheduling of such hours as it shall see fit at its discretion within the limitations set forth in Article 4.
- C. Neither the Engineer nor its employees shall be considered under the provisions of this Agreement or otherwise as having an employee, servant or agency status or as being entitled to participate in any plans, arrangements or distributions of the Authority.
- D. In providing the services under this Agreement, the Engineer represents and warrants that it has complied with all applicable federal, state and local laws particularly with respect to licenses, withholdings, reporting and payment of taxes. The Engineer agrees to furnish copies of documentation to the Authority evidencing its compliance with such laws. The Engineer further represents and warrants that any income accruing to the Engineer and its employees from the Agreement shall be reported as such to the appropriate taxation authorities.

5.13 Doing Business Status: The Engineer represents it is qualified to do business in the State of New York and has registered with the New York Secretary of State.

5.14 Force Majeure: Engineer shall not be liable to the Authority for any failure to perform the Services if any such failure is caused by forces beyond Engineer's reasonable control, including without limitation, actions or inactions of any governmental agencies, changes in law, strikes, lockouts, or other industrial disturbances, acts or omissions of third-parties, civil disturbances, fires, floods, earthquakes, acts of God, acts of a public enemy or terrorism, epidemics or pandemics, including issues arising out of the COVID-19 pandemic, which may include without limitation, workforce shortages, lack of necessary supplies or Personal Protective Equipment, travel restrictions, and other restrictions resulting from public guidance and emergency orders.

5.15 Gratuities: The Engineer shall prohibit its agents, employees and consultants from using their positions for personal financial gain, or from accepting any personal advantage from anyone under circumstances which might reasonably be interpreted as an attempt to influence the recipients in the conduct of their official duties. The Engineer or its employees shall not, under circumstances which might be reasonably interpreted as an attempt to influence the recipients in the conduct of their duties, extend any gratuity or special favor to employees of the Authority.

5.16 Notice: Any notices required by this Agreement or otherwise shall be delivered by United States Postal mail or personal delivery upon the addresses hereinbefore stated. Any change in such addresses shall be required to be in writing to the other party and acknowledged as such.

ARTICLE 6 – SEVERABILITY

6.01 Any provision or part of the Agreement held to be void or unenforceable by a court of competent jurisdiction shall be deemed stricken, and all remaining provisions shall continue to be valid and binding upon the parties, which agrees that the Agreement shall be reformed to replace such stricken provisions or part thereof with a valid enforceable provision that comes as close as possible to expressing the intent of the stricken provision. The validity and enforceability of all other provisions of this Agreement shall not otherwise be affected.

ARTICLE 7 – TERMINATION

7.01 The Authority reserves the right to terminate this Agreement in the event it is found that the Certification filed by the Engineer in accordance with New York State Finance Law §139-k was intentionally false or intentionally incomplete. Upon such finding, the Authority may exercise its termination right by providing written notification to the Engineer in accordance with the written notification terms of this Agreement.

ERIE COUNTY WATER AUTHORITY

By _____
Jerome D. Schad, Chair

HAZEN AND SAWYER

By _____
Matthew Valade, P.E., BCEE, Vice President

STATE OF NEW YORK)
COUNTY OF ERIE) ss:

On the _____ day of _____, in the year 2021, before me personally came Jerome D. Schad, to me known, who, being by me duly sworn, did depose and say that he resides in Amherst, New York, that he is the Chair of the Board of Commissioners for the Erie County Water Authority described in the above instrument; and that he signed his name thereto by order of the Board of Commissioners.

Notary Public

STATE OF NEW YORK)
COUNTY OF NEW YORK) ss:

On the _____ day of _____, in the year 2021, before me personally came _____, to me known, who, being by me duly sworn, did depose and say that he resides in _____, New York, that he is the _____ of the Corporation described in the above instrument; and that he signed his name thereto by order of the Board of Directors of said Corporation.

Notary Public

APPENDIX A

RESPONSE TO RFP

REQUIRED FORMS

NON-COLLUSIVE BIDDING CERTIFICATION
as mandated by Public Authority Law § 2878

By submission of this bid or proposal, each bidder/respondent and each person signing on behalf of any bidder/respondent certifies, and in the case of a joint bid each party thereto certifies as to its own organization, under penalty of perjury, that to the best of his knowledge and belief:

(1) The prices in this bid or proposal have been arrived at independently without collusion, consultation, communication, or agreement, for the purpose of restricting competition, as to any matter relating to such prices with any other bidder/respondent or with any competitor; and

(2) Unless otherwise required by law, the prices which have been quoted in this bid or proposal have not been knowingly disclosed by the bidder/respondent and will not knowingly be disclosed by the bidder/respondent prior to opening, directly or indirectly, to any other bidder/respondent or to any competitor; and

(3) No attempt has been made or will be made by the bidder/respondent to induce any other person, partnership, or corporation to submit or not to submit a bid for the purpose of restricting competition.

NOTICE
(Penal Law § 210.45)

IT IS A CRIME, PUNISHABLE AS A CLASS A MISDEMEANOR UNDER THE LAWS OF THE STATE OF NEW YORK, FOR A PERSON, IN AND BY A WRITTEN INSTRUMENT, TO KNOWINGLY MAKE A FALSE STATEMENT, OR TO MAKE A FALSE STATEMENT, OR TO MAKE A STATEMENT WHICH SUCH PERSON DOES NOT BELIEVE TO BE TRUE.

Affirmed under penalty of perjury this 15th day June, 2021

FIRM NAME Hazen and Sawyer

ADDRESS 498 Seventh Avenue, 11th Floor,

New York, NY ZIP 10018

AUTHORIZED SIGNATURE _____

TYPED NAME OF AUTHORIZED SIGNATURE Matthew T. Valade

TITLE Vice President TELEPHONE No. 212.539.7136

SECTION 2875 OF THE PUBLIC AUTHORITIES LAW

§2875. GROUND FOR CANCELLATION OF CONTRACT BY PUBLIC AUTHORITY.

A clause shall be inserted in all specifications or contracts hereafter made or awarded by any public authority or by any official of any public authority created by the state or any political subdivision, for work or services performed or to be performed or goods sold or to be sold, to provide that upon the refusal of a person, when called before a grand jury, head of a state department, temporary state commission, or other state agency, the organized crime task force in the department of law, head of a city department, or other city agency, which is empowered to compel the attendance of witnesses and examine them under oath, to testify in an investigation concerning any transaction or contract had with the state, any political subdivision thereof or of a public authority, to sign a waiver of immunity against subsequent criminal prosecution or to answer any relevant question concerning such transaction or contract.

- (a) Such person, and any firm, partnership, or corporation of which he is a member, partner, director, or officer shall be disqualified from thereafter selling to or submitting bids to or receiving awards from or entering into any contracts with any public authority or official thereof, for goods, work or services, for a period of five years after such refusal, and to provide also that
- (b) any and all contracts made with any public authority or official thereof, since the effective date of this law, by such person and by any firm, partnership, or corporation of which he is a member, partner, director or officer may be canceled or terminated by the public authority without incurring any penalty or damages on account of such cancellation or termination, but any monies owing by the public authority for goods delivered or work done prior to the cancellation termination shall be paid.

This is to CERTIFY that neither the undersigned nor any member, partner, director, or officer of the firm has refused to sign a waiver of immunity against subsequent criminal prosecution or to answer any relevant question concerning a transaction or contract with the state, any political subdivision thereof, a public authority or with a public department, agency or official of the state or of any political subdivision thereof or of a public authority, when called before a grand jury, head of a state department, temporary state commission, or other state agency, the organized crime task force in the department of law, head of a city department, or other city agency, which is empowered to compel the attendance of witnesses and examine them under oath.



Hazen and Sawyer

(Name of Individual, Partnership or Corporation)

By

(Person authorized to sign) Matthew T. Valade

SECTION 2876 OF THE PUBLIC AUTHORITIES LAW

§2876. DISQUALIFICATION TO CONTRACT WITH PUBLIC AUTHORITY

Any person who, when called before a grand jury, head of a state department, temporary state commission or other state agency, the organized crime task force in the department of law, head of a city department or other city agency, which is empowered to compel the attendance of witnesses and examine them under oath to testify in an investigation concerning any transaction or contract had with the state, any political subdivision thereof, a public authority or with a public department, agency or official of the state or of any political subdivision thereof or of a public authority, refuses to sign a waiver of immunity against subsequent criminal prosecution or to answer any relevant questions concerning such transaction or contract, and any firm, partnership or corporation of which he is a member, partner, director or officer shall be disqualified from thereafter selling to or submitting bids to or receiving awards from or entering into any contracts with any public authority or any official of any public authority created by the state or any political subdivision, for goods, work or services, for a period of five years after such refusal or until a disqualification shall be removed pursuant to the provisions of section twenty-six hundred three of this article.

It shall be the duty of the officer conducting the investigation before the grand jury, the head of a state department, the chairman of the temporary state commission or other state agency, the organized crime task force in the department of law, the head of a city department or other city agency before which the refusal occurs to send notice of such refusal, together with the names of any firm, partnership or corporation of which the person so refusing is known to be a member, partner, officer or director, to the commissioner of transportation of the state of New York, or the commissioner of general services as the case may be, and the appropriate departments, agencies and officials of the state, political subdivisions thereof or public authorities with whom the persons so refusing and any firm, partnership or corporation of which he is a member, partner, director or officer, is known to have a contract. However, when such refusal occurs before a body other than a grand jury, notice of refusal shall not be sent for a period of ten days after such refusal occurs. Prior to the expiration of this ten day period, any person, firm, partnership or corporation which has become liable to the cancellation or termination of a contract or disqualification to contract on account of such refusal may commence a special proceeding at a special term of the supreme court, held within the judicial district in which the refusal occurred, for an order determining whether the questions in response to which the refusal occurred were relevant and material to the inquiry. Upon the commencement of such proceeding, the sending of such notice of refusal to answer shall be subject to order of the court in which the proceeding was brought in a manner and on such terms as the court may deem just. If a proceeding is not brought within ten days, notice of refusal shall thereupon be sent as provided herein.

This is to CERTIFY that neither the undersigned nor any member, partner, director, or officer of the firm has refused to sign a waiver of immunity against subsequent criminal prosecution or to answer any relevant question concerning a transaction or contract with the state, any political subdivision thereof, a public authority or with a public department, agency or official of the state or of any political subdivision thereof or of a public authority, when called before a grand jury, head of a state department, temporary state commission, or other state agency, the organized crime task force in the department of law, head of a city department, or other city agency, which is empowered to compel the attendance of witnesses and examine them under oath.



Hazen and Sawyer

(Name of Individual, Partnership or Corporation)

By

(Person authorized to sign) Matthew T. Valade

FORMS A, B, and C

STATE FINANCE LAW REQUIREMENTS

The Erie County Water Authority (the “Authority”) is a government entity, as that term is defined in State Finance Law §§ 139-j(1)(a) and 139-k(1)(a). When the Authority seeks to procure goods or services by means of an Invitation or Notice to Bid, or a Request for Proposals, the State Finance Law imposes certain restrictions on anyone who may wish to offer goods or services to the Authority as an Offerer, as that term is defined in §§ 139-j(1)(h) and 139-k(1)(h).

During the Restricted Period, as defined in §§ 139-j(1)(f) and 139-k(1)(f), when bids or proposals are being solicited, the Authority will designate a contact person with whom the Offerer may contact for information and other authorized purposes as set forth in §139-j of the State Finance Law. The designated contact is identified in the Notice to Bidders, or in the Request for Proposal. An Offerer is authorized to contact the Authority’s designated contact for such purposes as set forth in § 139-j(3).

Pursuant to the State Finance Law, the Authority is also required to make certain findings before making any determinations as to the qualifications and eligibility of those seeking a procurement contract, as that term is defined in State Finance Law §§ 139-j(1)(g) and 139-k(1)(g). Certain findings of non-responsibility can result in rejection for contract award and in the event of two findings of non-responsibility occurring within a 4-year period, the Offerer will be debarred from obtaining procurement contracts with the Authority. Further information about these requirements can be found in §§139-j and 139-k of the New York State Finance Law and the Erie County Water Authority’s Procurement Disclosure Policy.

The following forms will be used by the Authority to make such findings:

Form A - Offerer’s Affirmation of Understanding of, and Agreement to Comply with, the Authority’s Permissible Contact Requirements During the Restricted Period.

Form B - Offerer’s Certification of Compliance with State Finance Law.

Form C - Offerer’s Disclosure of Prior Non-Responsibility Determinations.

FORM A

Offerer's Affirmation of Understanding of, and Agreement to Comply with, the Permissible Contact Requirements During the Restricted Period

Instructions:

The Erie County Water Authority (the "Authority") is a government entity, as that term is defined in State Finance Law §§ 139-j(1)(a) and 139-k(1)(a). The Authority must obtain a written affirmation of understanding and agreement to comply with procedures regarding permissible contacts with the Authority in the restricted period for a procurement contract in accordance with State Finance Law §139-j and §139-k. It is required that this affirmation be obtained as early as possible in the procurement process, but no later than when the Offerer submits its proposal.

FORM B

**Offerer's Certification of Compliance
With State Finance Law §139-k(5)**

Instructions:

The Erie County Water Authority (the "Authority") is a government entity, as that term is defined in State Finance Law §§ 139-j(1)(a) and 139-k(1)(a). The Authority must obtain a Certification that the information submitted for a procurement contract is complete, true, and accurate regarding any prior findings of non-responsibility, such as non-responsibility pursuant to State Finance Law §139-j. The Offerer must agree to sign the Certification, under penalty of perjury, and to provide the Certification to the Authority. The Certification should be obtained as early as possible in the process, but no later than when an Offerer submits its proposal.

Offerer Certification:

I certify that all information provided to the Authority relating to the awarding of a procurement contract is complete, true, and accurate.

By:  Date: 1/7/2021

Name: Matthew T. Valade, PE, BCEE

Title: Vice President

Contractor Name: Hazen and Sawyer

Contractor Address: 498 Seventh Avenue, 11th Floor, New York, NY 10018

FORM C**Offerer's Disclosure of Prior
Non-Responsibility Determinations****Background:**

The Erie County Water Authority (the "Authority") is a government entity, as that term is defined in State Finance Law §§ 139-j(1)(a) and 139-k(1)(a). New York State Finance Law §139-k(2) obligates the Authority to obtain specific information regarding prior non-responsibility determinations with respect to State Finance Law §139-j. In accordance with State Finance Law §139-k, an Offerer must be asked to disclose whether there has been a finding of non-responsibility made within the previous four (4) years by any Governmental Entity due to: (a) a violation of State Finance Law §139-j; or (b) the intentional provision of false or incomplete information to a Government Entity.

The terms "Offerer" and "Governmental Entity" are defined in State Finance Law §§139-j(1) and §139-k(1). These sections also set forth detailed requirements about the restrictions on contacts during the procurement process. A violation of State Finance Law §139-j includes, but is not limited to, an impermissible contact during the restricted period (for example, contacting a person or entity other than the designated contact person, when such contact does not fall within one of the exemptions).

As part of its responsibility determination, State Finance Law §139-k(3) mandates consideration of whether an Offerer fails to timely disclose accurate or complete information regarding the above non-responsibility determination. In accordance with law, no Procurement Contract shall be awarded to any Offerer that fails to timely disclose accurate or complete information under this section, unless a finding is made that the award of the Procurement Contract to the Offerer is necessary to protect public property or public health safety, and the Offerer is the only source capable of supplying the required Article of Procurement, as that term is defined in State Finance Law §§ 139-j(1)(b) and 139-k(1)(b), within the necessary timeframe. See State Finance Law §139-j(10)(b) and §139-k(3).

Instructions:

The Authority must include a disclosure request regarding prior non-responsibility determinations in accordance with State Finance Law §139-k in its solicitation of proposals or bid documents or specifications or contract documents, as applicable, for procurement contracts. The attached form is to be completed and submitted by the individual or entity seeking to enter into a Procurement Contract. It shall be submitted to the Authority conducting the Governmental Procurement no later than when the Offerer submits its proposal.

FORM C (Continued)**Offerer's Disclosure of Prior Non-Responsibility Determinations**

Name of Individual or Entity Seeking to Enter into the Procurement Contract:

Hazen and Sawyer

Address: 498 Seventh Avenue, 11th Floor, New York, NY 10018

Name and Title of Person Submitting this Form: Matthew T. Valade, PE, BCEE

Contract Procurement Number: 202100012

Date: 1/7/2021

1. Has any Governmental Entity made a finding of non-responsibility regarding the individual or entity seeking to enter into the Procurement Contract in the previous four years? (Please circle): No Yes

If yes, please answer the next questions:

2. Was the basis for the finding of non-responsibility due to a violation of State Finance Law §139-j (Please circle): No Yes
3. Was the basis for the finding of non-responsibility due to the intentional provision of false or incomplete information to a Governmental Entity? (Please circle) No Yes
4. If you answered yes to any of the above questions, please provide details regarding the finding of non-responsibility below.

Governmental Entity: _____

Date of Finding of Non-Responsibility: _____

Basis of Finding of Non-Responsibility: _____

(Add additional pages as necessary)

FORM C (Continued)

5. Has any Governmental Entity or other governmental agency terminated or withheld a Procurement Contract with the above-named individual or entity due to the intentional provision of false or incomplete information? (Please circle): No Yes

6. If yes, please provide details below.

Governmental Entity: _____

Date of Termination or Withholding of Contract: _____

Basis of Termination or Withholding:

(Add additional pages as necessary)

Offerer certifies that all information provided to the Erie County Water Authority with respect to State Finance Law §139-k is complete, true, and accurate.

By: 
Signature

Date: 6/7/2021

Name: Matthew T. Valade, PE, BCEE

Title: Vice President

CONTRACT TERMINATION PROVISION

Instructions:

A Contract Termination Provision will be included in each procurement contract governed by State Finance Law §139-k. New York State Finance Law §139-k(5) provides that every procurement contract award subject to the provisions of State Finance Law §§139-k and 139-j shall contain a provision authorizing the governmental entity to terminate the contract in the event that the certification is found to be intentionally false or intentionally incomplete. This statutory contract language authorizes, but does not mandate, termination. “Government Entity” and “procurement contract” are defined in State Finance Law §§ 139 j(1) and 139-k(l).

This required clause will be included in a covered procurement contract.

A sample of the Termination Provision is included below. If a contract is terminated in accordance with State Finance Law §139-k(5), the Erie County Water Authority, as a governmental entity, is required to include a statement in the procurement record describing the basis for any action taken under the termination provision.

Sample Contract Termination Provision

<p>The Erie County Water Authority, as a governmental entity, reserves the right to terminate this contract in the event it is found that the certification filed by the Offerer in accordance with New York State Finance Law §139-k was intentionally false or intentionally incomplete. Upon such finding, the Authority may exercise its termination right by providing written notification to the Offerer in accordance with the written notification terms of this contract.</p>

**OFFERER'S STATEMENT REGARDING PREVENTION OF
UNLAWFUL DISCRIMINATORY PRACTICES**

The Erie County Water Authority (the "Authority"), as an employer in New York State, is subject to the Human Rights Law, codified as Executive Law §290, *et. seq.*, and Labor Law §201-g. The Authority seeks to provide a work environment that is free from unlawful discriminatory practices as they are defined in Executive Law §296, as well as from inappropriate harassing conduct even if not deemed unlawful, to its employees, contractors, subcontractors, vendors, consultants, and any other person providing services on Authority premises. Pursuant to the Human Rights Law, it shall be unlawful to discriminate against an individual, or to subject an individual to harassment, due to age, race, creed, color, national origin, sexual orientation, gender identity or expression, military status, sex, disability, predisposing genetic characteristics, familial status, marital status, or status as a victim of domestic violence. Accordingly, the Authority requires that any Offeror of a proposal or bid, agree to sign the following statement regarding unlawful discriminatory practices, including, but not limited to sexual harassment, under penalty of perjury. This statement should be provided to the Authority as early as possible in the procurement process, but not later than at the time of execution of a contract with the Authority. Failure to agree to sign the statement may result in the Authority deeming the bid or proposal withdrawn by the Offerer.

Offerer Statement:

I certify, under penalty of perjury, that the following statements are accurate:

- *Offerer is aware of its obligations under the Human Rights Law (Executive Law §290, et. seq.)*
- *Offerer complies with the provisions of Executive Law §290, et. seq., including Executive Law §296, and does not permit unlawful discriminatory practices or harassment based on an individual's age, race, creed, color, national origin, sexual orientation, gender identity or expression, military status, sex, disability, predisposing genetic characteristics, familial status, marital status, or status as a victim of domestic violence in its workplace.*
- *Offerer complies with the provisions of Labor Law §201-g, has implemented a written policy addressing sexual harassment in the workplace which meets the minimum standards of Labor Law §201-g, and provides annual sexual harassment prevention training to all of its employees.*

By:  Date: 6/15/2021

Name: Matthew T. Valade

Title: Vice President

Offerer Name: Hazen and Sawyer

Offerer Address: 498 Seventh Avenue, 11th Floor, New York, NY 10018

APPENDIX B

PIPE LOOP OPERATION AND MAINTAINENCE CONSULTANT ENGINEER FIXED HOURLY BILLING RATES

Title/Grade	Hourly Billing Rate
Principal	\$287
Senior Technical Advisor	\$277
Project Manager	\$254
Senior Process Engineer (incl. Technical Advisor/Technical Lead)	\$168
Project Engineer	\$80
Junior Engineer//Assistant Engineer/Chemist	\$120

College Intern	Estimated Number of Hours	Hourly Rate
Senior Academic Personnel (Washington University)	84	\$229.35
Graduate/Doctorate Personnel (Washington University)	1667	\$61.18
Senior Academic Personnel (SUNY Buffalo)	130	\$134.44
Graduate/Doctorate Personnel (SUNY Buffalo)	1257	\$53.90

APPENDIX C

CORROSION CONTROL PROGRAM ASSISTANCE CONSULTANT ENGINEER FIXED HOURLY BILLING RATES

Title/Grade	Hourly Billing Rate
Principal	\$287
Senior Technical Advisor	\$277
Project Manager	\$254
Senior Process Engineer (incl. Technical Advisor/Technical Lead)	\$168
Project Engineer	\$ 80
Junior Engineer//Assistant Engineer/Chemist	\$120
Senior IT (Power BI Dashboard)	\$244

APPENDIX D

FIXED RATES FOR SPECIAL SERVICES

Grade	Hourly Billing Rate
Principal	\$287
Project Manager	\$254
Senior Process Engineer	\$168
Project Engineer	\$140
Junior Engineer//Assistant Engineer/Chemist	\$120
Design Tech/Drafter	\$120
Administration/Word Processing	\$0

APPENDIX E

INSURANCE REQUIREMENTS FOR PROFESSIONAL SERVICES CONTRACT FOR CONSULTING ENGINEERING SERVICES

CORROSION CONTROL TREATMENT PROGRAM PIPE LOOP DEMONSTRATION STUDY

ECWA Project No. 202100152

Insurance Specs:

The following minimum insurance requirements shall apply to vendors providing services to the Erie County Water Authority (the “Authority”). If a service or project, in the opinion of the Authority, represents an unusual or exceptional risk, the Authority may establish additional insurance requirements for that service or project. All insurance required herein shall be obtained at the sole cost and expense of the contractor, including deductibles and self-insured retentions, and shall be in full force and effect on the contract commencement date and for the duration of the contract. These requirements include but are not limited to the minimum insurance requirements.

Insurance Requirements:

a. Workers Compensation:

Part 1: Workers Compensation: Statutory

Part 2: Employers Liability: \$1,000,000.

Note: If New York State domiciled employees are used, coverage to be New York Statutory for both Parts 1 and 2

b. New York Disability Benefits Liability: Statutory coverage if New York State domiciled employees are used.

c. Commercial General Liability:

- \$2,000,000. General Aggregate
- \$2,000,000. Products/Completed Operations Aggregate
- \$1,000,000. Each Occurrence
- \$1,000,000. Personal Injury/Advertising Liability
- Per Project/Job Aggregate Limit Required
- Erie County Water Authority to be scheduled as an Additional Insured for both on-going and completed operations (attach Additional Insured endorsement to Certificate of Insurance)
- Insurance to be primary and non-contributory

d. Automobile Liability:

- \$1,000,000. Each Accident
- Erie County Water Authority to be scheduled as an Additional Insured.

e. Umbrella Liability:

- \$1,000,000. Each Occurrence
- \$1,000,000. Aggregate
- Per Project/Job Aggregate Limit Required

e. Professional Liability, Liability/Errors & Omissions:

- \$2,000,000 Per Claim
- \$2,000,000 Aggregate

Certificates of Insurance to be provided to the Authority prior to start of work as follows:

ACORD 25 including copy of Additional Insured Endorsement

Note: If coverage provided for NYS domiciled employees require Forms C 105.2 and DB 120.1 for Workers Compensation and NYS DBL.

Certificates of Insurance, on forms approved by the New York State Department of Insurance, must be submitted to the Authority prior to the award of contract. Renewals of Certificates of Insurance, on forms approved by the New York State Department of Insurance, must be received by the Authority 30 days prior to the expiration of the insurance policy period.

Certificates of Insurance and renewals, on forms approved by the New York State Department of Insurance, must be submitted to the Authority prior to the award of contract. Each insurance carrier issuing a Certificate of Insurance shall be rated by A. M. Best no lower than “A-” with a Financial Strength Code (FSC) of at least VII. The professional service provider shall name the Authority, its officers, agents and employees as additional insured on a Primary and Non-Contributory Basis, including a Waiver of Subrogation endorsement (form CG 20 26 11 85 or equivalent), on all applicable liability policies. Any liability coverage on a “claims made” basis should be designated as such on the Certificate of Insurance. Such insurance shall continue through the term of this Agreement and vendor shall purchase at his sole expense either 1) an Extended Reporting Endorsement (also, known as Tail Coverage); or 2) Prior Acts Coverage from new insurer with a retroactive date back to the date of, or prior to, the inception of this Agreement; or 3) demonstrate through Certificates of Insurance that vendor has Maintained continuous coverage with the same or original insurer. Coverage provided under items; 1), 2), or 3) will continue as long as the law allows.

To avoid confusion with similar insurance company names and to properly identify the insurance company, please make sure that the insurer’s National Association of Insurance Commissioners (N.A.I.C.) identifying number or A. M. Best identifying number appears on the Certificate of Insurance. Also, at the top of the Certificate of Insurance, please list the project number.

Acceptance of a Certificate of Insurance and/or approval by the Authority shall not be construed

to relieve the outside vendor of any obligations, responsibilities or liabilities.

Certificates of Insurance should be e-mailed to mmusarra@ecwa.org or mailed to Ms. Molly Jo Musarra, Claim Representative/Risk Manager, Erie County Water Authority, 295 Main Street, Room 350, Buffalo, New York 14203-2494, or If you have any questions you can contact Ms. Musarra by e-mail or phone (716) 849-8465.



HAZE&SA-01

KGODWIN

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

6/10/2021

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Ames & Gough 8300 Greensboro Drive Suite 980 McLean, VA 22102	CONTACT NAME: PHONE (A/C, No, Ext): (703) 827-2277		FAX (A/C, No): (703) 827-2279
	E-MAIL ADDRESS: admin@amesgough.com		
INSURED Hazen and Sawyer, D.P.C. 498 Seventh Avenue New York, NY 10018	INSURER(S) AFFORDING COVERAGE		NAIC #
	INSURER A : Hartford Fire Insurance Company A+ (XV)		19682
	INSURER B : Travelers Indemnity Company of Connecticut A++ (Superior)		25682
	INSURER C : Twin City Fire Insurance Company A+ (XV)		29459
	INSURER D : Continental Casualty Company (CNA) A, XV		20443
	INSURER E :		
INSURER F :			

COVERAGES

CERTIFICATE NUMBER:

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> Contractual Liab. GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC OTHER:	X	X	42UUNOL5499	3/29/2021	3/29/2022	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 \$
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY	X	X	42UENOL5501	3/29/2021	3/29/2022	COMBINED SINGLE LIMIT (Ea accident) \$ 2,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ Comp./Coll. Ded \$ 1,000
B	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTION \$ 10,000	X	X	ZUP31N1064A21	3/29/2021	3/29/2022	EACH OCCURRENCE \$ 1,000,000 AGGREGATE \$ 1,000,000 \$
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N If yes, describe under DESCRIPTION OF OPERATIONS below	N/A	X	42WBOL6H6E	3/29/2021	3/29/2022	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
D	Professional Liab.			AEH008231489	3/29/2021	3/29/2022	Per Claim/Aggregate 2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

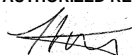
RE: ECWA PROJ #202100152, CORROSION CONTROL TREATMENT PROGRAM PIPE LOOP DEMONSTRATION STUDY

APPROVED/MJM

Erie County Water Authority (ECWA), its officers, agents and employees are included as additional insured with respect to General Liability per form CG 20 26 04 13, Automobile Liability per form HA 99 17 06 14, and Umbrella Liability per form EU 00 01 07 16, when required by written contract. General Liability, Automobile Liability and Umbrella Liability are primary and non-contributory over any existing insurance and limited to liability arising out of the operations of the named insured and when required by written contract. General Liability, Automobile Liability, Umbrella Liability and Workers Compensation policies include a waiver of subrogation in favor of the additional insureds where permissible by state law and when required by written contract. Umbrella Liability SEE ATTACHED ACORD 101

CERTIFICATE HOLDER

CANCELLATION

Erie County Water Authority (ECWA) 295 Main St, Room 350 Buffalo, NY 14203-2494	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE 
--	--



ADDITIONAL REMARKS SCHEDULE

AGENCY Ames & Gough		NAMED INSURED Hazen and Sawyer, D.P.C. 498 Seventh Avenue New York, NY 10018	
POLICY NUMBER SEE PAGE 1			
CARRIER SEE PAGE 1	NAIC CODE SEE P 1	EFFECTIVE DATE: SEE PAGE 1	

ADDITIONAL REMARKS

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,
FORM NUMBER: ACORD 25 FORM TITLE: Certificate of Liability Insurance

Description of Operations/Locations/Vehicles:

coverage sits excess over General Liability, Automobile Liability and Employers Liability coverage. 30-day Notice of Cancellation will be issued for the General Liability, Automobile Liability, Umbrella Liability, Workers Compensation and Professional Liability policies in accordance with policy terms and conditions.

Pollution Liability coverage is provided and included within the Professional Liability policy noted above. It shares the limits of the Professional Liability policy.



CERTIFICATE OF NYS WORKERS' COMPENSATION INSURANCE COVERAGE

<p>1a. Legal Name & Address of Insured (use street address only)</p> <p>HAZEN AND SAWYER, D.P.C. 498 FASHION AVE FL 11 NEW YORK, NY 10018</p> <p><i>Work Location of Insured (Only required if coverage is specifically limited to certain locations in New York State, i.e., a Wrap-Up Policy)</i></p>	<p>1b. Business Telephone Number of Insured 212-539-7090</p> <p>1c. NYS Unemployment Insurance Employer Registration Number of Insured</p> <p>1d. Federal Employer Identification Number of Insured or Social Security Number 132904652</p>
<p>2. Name and Address of Entity Requesting Proof of Coverage (Entity Being Listed as the Certificate Holder)</p> <p>ERIE COUNTY WATER AUTHORITY (ECWA) ATTN: RISK MANAGER: MS. MOLLY JO MUSARRA 295 MAIN STREET - ROOM 350 BUFFALO, NY 14203-2494</p>	<p>3a. Name of Insurance Carrier HARTFORD ACCIDENT AND INDEMNITY INSURANCE COMPANY</p> <p>3b. Policy Number of Entity Listed in Box "1a" 42WBOL6H6E</p> <p>3c. Policy effective period 3/29/2021 to 3/29/2022</p> <p>3d. The Proprietor, Partners or Executive Officers are <input checked="" type="checkbox"/> included. (Only check box if all partners/officers included) <input type="checkbox"/> all excluded or certain partners/officers excluded. </p>

This certifies that the insurance carrier indicated above in box "3" insures the business referenced above in box "1a" for workers' compensation under the New York State Workers' Compensation Law. **(To use this form, New York (NY) must be listed under Item 3A on the INFORMATION PAGE of the workers' compensation insurance policy).** The Insurance Carrier or its licensed agent will send this Certificate of Insurance to the entity listed above as the certificate holder in box "2".

The insurance carrier must notify the above certificate holder and the Workers' Compensation Board within 10 days IF a policy is canceled due to nonpayment of premiums or within 30 days IF there are reasons other than nonpayment of premiums that cancel the policy or eliminate the insured from the coverage indicated on this Certificate. (These notices may be sent by regular mail.) **Otherwise, this Certificate is valid for one year after this form is approved by the insurance carrier or its licensed agent, or until the policy expiration date listed in box "3c", whichever is earlier.**


This certificate is issued as a matter of information only and confers no rights upon the certificate holder. This certificate does not amend, extend or alter the coverage afforded by the policy listed, nor does it confer any rights or responsibilities beyond those contained in the referenced policy.

This certificate may be used as evidence of a Workers' Compensation contract of insurance only while the underlying policy is in effect.

Please Note: Upon cancellation of the workers' compensation policy indicated on this form, if the business continues to be named on a permit, license or contract issued by a certificate holder, the business must provide that certificate holder with a new Certificate of Workers' Compensation Coverage or other authorized proof that the business is complying with the mandatory coverage requirements of the New York State Workers' Compensation Law.

Under penalty of perjury, I certify that I am an authorized representative or licensed agent of the insurance carrier referenced above and that the named insured has the coverage as depicted on this form.

Approved by: Tom Marchetti
(Print name of authorized representative or licensed agent of insurance carrier)

Approved by:  3/22/2021
(Signature) (Date)

Title: Vice President

Telephone Number of authorized representative or licensed agent of insurance carrier: 703-827-2277

Please Note: Only insurance carriers and their licensed agents are authorized to issue Form C-105.2. Insurance brokers are NOT authorized to issue it.

Workers' Compensation Law

Section 57. Restriction on issue of permits and the entering into contracts unless compensation is secured.

1. The head of a state or municipal department, board, commission or office authorized or required by law to issue any permit for or in connection with any work involving the employment of employees in a hazardous employment defined by this chapter, and notwithstanding any general or special statute requiring or authorizing the issue of such permits, shall not issue such permit unless proof duly subscribed by an insurance carrier is produced in a form satisfactory to the chair, that compensation for all employees has been secured as provided by this chapter. Nothing herein, however, shall be construed as creating any liability on the part of such state or municipal department, board, commission or office to pay any compensation to any such employee if so employed.
2. The head of a state or municipal department, board, commission or office authorized or required by law to enter into any contract for or in connection with any work involving the employment of employees in a hazardous employment defined by this chapter, notwithstanding any general or special statute requiring or authorizing any such contract, shall not enter into any such contract unless proof duly subscribed by an insurance carrier is produced in a form satisfactory to the chair, that compensation for all employees has been secured as provided by this chapter.



**Workers'
Compensation
Board**

CERTIFICATE OF INSURANCE COVERAGE
under the NYS DISABILITY AND PAID FAMILY LEAVE BENEFITS LAW

PART 1. To be completed by Disability and Paid Family Leave Benefits Carrier or Licensed Insurance Agent of that Carrier

1a. Legal Name & Address of Insured (use street address only) HAZEN AND SAWYER D.P.C. 498 SEVENTH AVENUE 11TH FLOOR NEW YORK NY 10018 Work Location of Insured (Only required if coverage is specifically limited to certain locations in New York State, i.e., Wrap-Up Policy)	1b. Business Telephone Number of Insured 212-539-7209 1c. Federal Employer Identification Number of Insured or Social Security Number 132904652
2. Name and Address of Entity Requesting Proof of Coverage (Entity Being Listed as the Certificate Holder) ERIE COUNTY WATER AUTHORITY (ECWA) 295 MAIN STREET ROOM 350 BUFFALO NY 14203-2494	3a Name of Insurance Carrier HARTFORD LIFE AND ACCIDENT INSURANCE COMPANY 3b Policy Number of Entity Listed in Box "1a" LNY-616076 3c Policy effective period 01/01/2021 to 12/31/2021

4. Policy provides the following benefits:

☐ A. Both disability and paid family leave benefits.

☐ B. Disability benefits only.

☐ C. Paid family leave benefits only.

5. Policy covers:

☐ A. All of the employer's employees eligible under the NYS Disability and Paid Family Leave Benefits Law

☐ B. Only the following class or classes of employer's employees:

Under penalty of perjury, I certify that I am an authorized representative or licensed agent of the insurance carrier referenced above and that the named insured has NYS Disability and/or Paid Family Leave Benefits insurance coverage as described above.

Date Signed

12/15/2020

Elizabeth Tello

(Signature of insurance carrier's authorized representative or NYS Licensed Insurance Agent of that insurance carrier)

Telephone Number (212) 553-8074

Name and Title: Elizabeth Tello – Assistant Director, Statutory Services

IMPORTANT: If Boxes 4A and 5A are checked, and this form is signed by the insurance carrier's authorized representative or NYS Licensed Insurance Agent of that carrier, this certificate is **COMPLETE**. Mail it directly to the certificate holder.

If Box 4B, 4C or 5B is checked, this certificate is **NOT COMPLETE** for purposes of Section 220, Subd. 8 of the NYS Disability and Paid Family Leave Benefits Law. It must be mailed for completion to the Workers' Compensation Board, Plans Acceptance Unit, PO Box 5200, Binghamton, NY 13902-5200.

PART 2. To be completed by the NYS Workers' Compensation Board (Only if Box 4C or 5B of Part 1 has been checked)

**State of New York
Workers' Compensation Board**

According to information maintained by the NYS Workers' Compensation Board, the above-named employer has complied with the NYS Disability and Paid Family Leave Benefits Law with respect to all of his/her employees.

Date Signed

By

(Signature of Authorized NYS Workers' Compensation Board Employee)

Telephone Number

Name and Title

Please Note: Only insurance carriers licensed to write NYS disability and paid family leave benefits insurance policies and NYS licensed insurance agents of those insurance carriers are authorized to issue Form DB-120.1. Insurance brokers are NOT authorized to issue this form.



THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED - DESIGNATED PERSON OR ORGANIZATION

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Name Of Additional Insured Person(s) Or Organization(s):

ANY PERSON OR ORGANIZATION THAT YOU HAVE AGREED TO NAME AS AN ADDITIONAL INSURED IN A WRITTEN CONTRACT OR AGREEMENT PROVIDED THAT THE INJURY OR DAMAGE OCCURS SUBSEQUENT TO THE EXECUTION OF THE CONTRACT OR AGREEMENT. A PERSON OR ORGANIZATION IS INCLUDED AS AN ADDITIONAL INSURED UNDER THIS ENDORSEMENT ONLY FOR THAT TIME PERIOD REQUIRED BY THE CONTRACT OR AGREEMENT.

Information required to complete this Schedule, if not shown above, will be shown in the Declarations.

A. Section II – Who Is An Insured is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by your acts or omissions or the acts or omissions of those acting on your behalf:

1. In the performance of your ongoing operations; or
2. In connection with your premises owned by or rented to you.

However:

1. The insurance afforded to such additional insured only applies to the extent permitted by law; and
2. If coverage provided to the additional insured is required by a contract or agreement, the insurance afforded to such additional insured will not be broader than that which you are required by the contract or agreement to provide for such additional insured.

B. With respect to the insurance afforded to these additional insureds, the following is added to Section III – Limits Of Insurance:

If coverage provided to the additional insured is required by a contract or agreement, the most we will pay on behalf of the additional insured is the amount of insurance:

1. Required by the contract or agreement; or
 2. Available under the applicable Limits of Insurance shown in the Declarations;
- whichever is less.

This endorsement shall not increase the applicable Limits of Insurance shown in the Declarations.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

PRIMARY AND NONCONTRIBUTORY - OTHER INSURANCE CONDITION

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART

The following is added to the **Other Insurance** Condition and supersedes any provision to the contrary:

Primary And Noncontributory Insurance

This insurance is primary to and will not seek contribution from any other insurance available to an additional insured under your policy provided that:

(1) The additional insured is a Named Insured under such other insurance; and

(2) You have agreed in writing in a contract or agreement that this insurance would be primary and would not seek contribution from any other insurance available to the additional insured.

WAIVER OF TRANSFER OF RIGHTS OF RECOVERY AGAINST OTHERS TO US

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART

SCHEDULE

Name Of Person Or Organization:

ANY PERSON OR ORGANIZATION FROM WHOM YOU ARE REQUIRED BY WRITTEN CONTRACT OR AGREEMENT TO OBTAIN THIS WAIVER OF RIGHTS FROM US.

Information required to complete this Schedule, if not shown above, will be shown in the Declarations.

The following is added to Paragraph 8. **Transfer Of Rights Of Recovery Against Others To Us** of Section IV – Conditions:

We waive any right of recovery we may have against the person or organization shown in the Schedule above because of payments we make for injury or damage arising out of your ongoing operations or "your work" done under a contract with that person or organization and included in the "products-completed operations hazard". This waiver applies only to the person or organization shown in the Schedule above.



THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED AND RIGHTS OF RECOVERY AGAINST OTHERS

This endorsement modifies insurance provided under the following:

BUSINESS AUTO COVERAGE FORM

- A. Any person or organization whom you are required by contract to name as additional insured is an "insured" for LIABILITY COVERAGE but only to the extent that person or organization qualifies as an "insured" under the WHO IS AN INSURED provision of Section II - LIABILITY COVERAGE.
- B. For any person or organization for whom you are required by contract to provide a waiver of subrogation, the Loss Condition - TRANSFER OF RIGHTS OF RECOVERY AGAINST OTHERS TO US is applicable.



THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

**WAIVER OF OUR RIGHT TO RECOVER
FROM OTHERS ENDORSEMENT**

Policy Number: 42 WB OL6H6E

Endorsement Number:

Effective Date: 03/29/2021 Effective hour is the same as stated on the Information Page of the policy.

Named Insured and Address: HAZEN AND SAWYER, D.P.C.
498 FASHION AVE FL 11
NEW YORK NY 10018

We have the right to recover our payments from anyone liable for an injury covered by this policy. We will not enforce our right against the person or organization named in the Schedule.

This agreement shall not operate directly or indirectly to benefit anyone not named in the Schedule.

SCHEDULE

Any person or organization from whom you are required by contract or agreement to obtain this waiver from us. Endorsement is not applicable in KY, NH, NJ or for any MO construction risk

Countersigned by _____

Authorized Representative

EXCESS FOLLOW-FORM AND UMBRELLA LIABILITY INSURANCE

THIS POLICY, IN PART, PROVIDES FOLLOW-FORM LIABILITY COVERAGE. COVERAGE WILL APPLY ON A CLAIMS-MADE BASIS WHEN FOLLOWING CLAIMS-MADE UNDERLYING INSURANCE.

COVERAGE WILL APPLY ON A DEFENSE-WITHIN-LIMITS BASIS WHEN FOLLOWING UNDERLYING INSURANCE UNDER WHICH DEFENSE EXPENSES ARE PAYABLE WITHIN, AND NOT IN ADDITION TO, THE LIMITS OF INSURANCE. WHEN FOLLOWING SUCH UNDERLYING INSURANCE, PAYMENT OF DEFENSE EXPENSES UNDER THIS POLICY WILL REDUCE, AND MAY EXHAUST, THE LIMITS OF INSURANCE OF THIS POLICY.

PLEASE READ THE ENTIRE POLICY CAREFULLY.

Various provisions in this policy restrict coverage. Read the entire policy carefully to determine rights, duties and what is and is not covered.

Throughout this policy, the words "you" and "your" refer to the Named Insured shown in the Declarations and any other person or organization qualifying as a Named Insured under this policy. The words "we", "us" and "our" refer to the company providing this insurance.

The word "insured" means any person or organization qualifying as such under **SECTION II – WHO IS AN INSURED.**

Other words and phrases that appear in quotation marks have special meaning. Refer to **SECTION VI – DEFINITIONS.**

SECTION I – COVERAGES

A. COVERAGE A – EXCESS FOLLOW-FORM LIABILITY

1. We will pay on behalf of the insured those sums, in excess of the "applicable underlying limit", that the insured becomes legally obligated to pay as damages to which Coverage **A** of this insurance applies, provided that the "underlying insurance" would apply to such damages but for the exhaustion of its applicable limits of insurance. If a sublimit is specified in any "underlying insurance", Coverage **A** of this insurance applies to damages that are in excess of that sublimit only if such sublimit is shown for that "underlying insurance" in the Schedule Of Underlying Insurance.
2. Coverage **A** of this insurance is subject to the same terms, conditions, agreements, exclusions and definitions as the "underlying insurance", except with respect to any

provisions to the contrary contained in this insurance.

3. The amount we will pay for damages is limited as described in **SECTION III – LIMITS OF INSURANCE.**
4. For the purposes of Paragraph 1. above:
 - a. The applicable limit of insurance stated for the policies of "underlying insurance" in the Schedule Of Underlying Insurance will be considered to be reduced or exhausted only by the following payments:
 - (1) Payments of judgments or settlements for damages that are covered by that "underlying insurance". However, if such "underlying insurance" has a policy period which differs from the policy period of this Excess Follow-Form And Umbrella Liability Insurance, any such payments for damages that would not be covered by this Excess

Follow-Form And Umbrella Liability Insurance because of its different policy period will not reduce or exhaust the applicable limit of insurance stated for such "underlying insurance";

- (2) Payments of "medical expenses" that are covered by that "underlying insurance" and are incurred for "bodily injury" caused by an accident that takes place during the policy period of this Excess Follow-Form And Umbrella Liability Insurance; or
- (3) Payments of defense expenses that are covered by that "underlying insurance", only if such "underlying insurance" includes such payments within the limits of insurance. However, if such "underlying insurance" has a policy period which differs from the policy period of this Excess Follow-Form And Umbrella Liability Insurance, any such payments for defense expenses that would not be covered by this Excess Follow-Form And Umbrella Liability Insurance because of its different policy period will not reduce or exhaust the applicable limit of insurance stated for such "underlying insurance".

If the applicable limit of insurance stated for the policies of "underlying insurance" in the Schedule Of Underlying Insurance is actually reduced or exhausted by other payments, Coverage **A** of this insurance is not invalidated. However, in the event of a loss, we will pay only to the extent that we would have paid had such limit not been actually reduced or exhausted by such other payments.

- b. If any "underlying insurance" has a limit of insurance greater than the amount shown for that insurance in the Schedule of Underlying Insurance, this insurance will apply in excess of that greater amount. If any "underlying insurance" has a limit of insurance, prior to any reduction or exhaustion by payment of damages, "medical expenses" or defense expenses described in Paragraph **a.** above, that is less than the amount shown for that insurance in the Schedule Of Underlying Insurance, this insurance will apply in excess of the amount shown for such insurance in the Schedule Of Underlying Insurance.

5. When the "underlying insurance" applies on a claims-made basis and includes a retroactive date provision, the retroactive date for Coverage **A** of this insurance is the same as the retroactive date of that "underlying insurance".

B. COVERAGE B – UMBRELLA LIABILITY

1. We will pay on behalf of the insured those sums in excess of the "self-insured retention" that the insured becomes legally obligated to pay as damages because of "bodily injury", "property damage", "personal injury" or "advertising injury" to which Coverage **B** of this insurance applies.
2. Coverage **B** of this insurance applies to "bodily injury" or "property damage" only if:
 - a. The "bodily injury" or "property damage" is caused by an "occurrence" that takes place anywhere in the world;
 - b. The "bodily injury" or "property damage" occurs during the policy period; and
 - c. Prior to the policy period, no insured listed under Paragraph **1.** in Paragraph **B.**, **COVERAGE B – UMBRELLA LIABILITY**, of **SECTION II – WHO IS AN INSURED** and no "employee" authorized by you to give or receive notice of an "occurrence" or claim, knew that the "bodily injury" or "property damage" had occurred, in whole or in part. If such a listed insured or authorized "employee" knew, prior to the policy period, that the "bodily injury" or "property damage" occurred, in whole or in part, then any continuation, change or resumption of such "bodily injury" or "property damage" during or after the policy period will be deemed to have been known prior to the policy period.
3. Coverage **B** of this insurance applies to "personal injury" or "advertising injury" caused by an offense arising out of your business, but only if the offense was committed during the policy period anywhere in the world.
4. The amount we will pay for damages is limited as described in **SECTION III – LIMITS OF INSURANCE**.
5. "Bodily injury" or "property damage":
 - a. Which occurs during the policy period; and
 - b. Which was not prior to, but was during, the policy period known to have occurred by any insured listed under Paragraph **1.** in Paragraph **B.**, **COVERAGE B –**

UMBRELLA LIABILITY of **SECTION II – WHO IS AN INSURED**, or any "employee" authorized by you to give notice of an "occurrence" or claim;

includes any continuation, change or resumption of the "bodily injury" or "property damage" after the end of the policy period.

6. "Bodily injury" or "property damage" will be deemed to have been known to have occurred at the earliest time when any insured listed under Paragraph 1. in Paragraph **B.**, **COVERAGE B – UMBRELLA LIABILITY**, of **SECTION II – WHO IS AN INSURED** or any "employee" authorized by you to give or receive notice of an "occurrence" or claim:
 - a. Reports all, or any part, of the "bodily injury" or "property damage" to us or any other insurer;
 - b. Receives a written or verbal demand or claim for damages because of the "bodily injury" or "property damage"; or
 - c. Becomes aware by any other means that the "bodily injury" or "property damage" has occurred or has begun to occur.
7. Damages because of "bodily injury" include damages claimed by any person or organization for care, loss of services or death resulting at any time from the "bodily injury".
8. Coverage **B** of this insurance does not apply to damages covered by any "underlying insurance" or that would have been covered by any "underlying insurance" but for the exhaustion of its applicable limit of insurance.

C. COVERAGE C – CRISIS MANAGEMENT SERVICE EXPENSES

1. We will reimburse the insured, or pay on the insured's behalf, "crisis management service expenses" to which Coverage **C** applies.
2. Coverage **C** of this insurance applies to "crisis management service expenses" that:
 - a. Arise out of a "crisis management event" that first commences during the policy period;
 - b. Are incurred by the insured, after a "crisis management event" first commences and before such event ends; and
 - c. Are submitted to us within 180 days after the "crisis management advisor" advises you that the "crisis management event" no longer exists.
3. A "crisis management event" will be deemed to:

- a. First commence at the time when any "executive officer" first becomes aware of an "event" or "occurrence" that leads to that "crisis management event"; and
 - b. End when we decide that the crisis no longer exists or when the Crisis Management Service Expenses Limit has been exhausted, whichever occurs first.
4. The amount we will pay for "crisis management service expenses" is limited as described in **SECTION III – LIMITS OF INSURANCE**.
 5. A "self-insured retention" does not apply to "crisis management service expenses".
 6. Any payment of "crisis management service expenses" that we make will not be determinative of our obligations under this insurance with respect to any claim or "suit" or create any duty to defend or indemnify any insured for any claim or "suit".

D. DEFENSE AND SUPPLEMENTARY PAYMENTS

1. We will have the right and duty to defend the insured:
 - a. Under Coverage **A**, against a "suit" seeking damages to which such coverage applies, if:
 - (1) The "applicable underlying limit" is the applicable limit of insurance stated for a policy of "underlying insurance" in the Schedule Of Underlying Insurance and such limit has been exhausted solely due to payments as permitted in Paragraphs **4.a.(1)**, **(2)** and **(3)** of **COVERAGE A – EXCESS FOLLOW-FORM LIABILITY** of **SECTION I – COVERAGES**; or
 - (2) The "applicable underlying limit" is the applicable limit of any "other insurance" and such limit has been exhausted by payments of judgments, settlements or medical expenses, or related costs or expenses (if such costs or expenses reduce such limits).

For any "suit" for which we have the right and duty to defend the insured under Coverage **A**, defense expenses will be within the limits of insurance of this policy when such expenses are within the limits of insurance of the applicable "underlying insurance"; or

- b. Under Coverage **B**, against a "suit" seeking damages to which such coverage applies.

2. We have no duty to defend any insured against any "suit":
 - a. Seeking damages to which this insurance does not apply; or
 - b. If any other insurer has a duty to defend.
3. When we have the duty to defend, we may, at our discretion, investigate and settle any claim or "suit". In all other cases, we may, at our discretion, participate in the investigation, defense and settlement of any claim or "suit" for damages to which this insurance may apply. If we exercise such right to participate, all expenses we incur in doing so will not reduce the applicable limits of insurance.
4. Our duty to defend ends when we have used up the applicable limit of insurance in the payment of judgments or settlements, or defense expenses if such expenses are within the limits of insurance of this policy.
5. We will pay, with respect to a claim we investigate or settle, or "suit" against an insured we defend:
 - a. All expenses we incur.
 - b. The cost of:
 - (1) Bail bonds required because of accidents or traffic law violations arising out of the use of any vehicle to which this insurance applies; or
 - (2) Appeal bonds and bonds to release attachments;

but only for bond amounts within the applicable limit of insurance. We do not have to furnish these bonds.
 - c. All reasonable expenses incurred by the insured at our request to assist us in the investigation or defense of such claim or "suit", including actual loss of earnings up to \$1,000 a day because of time off from work.
 - d. All court costs taxed against the insured in the "suit". However, these payments do not include attorneys' fees or attorneys' expenses taxed against the insured.
 - e. Prejudgment interest awarded against the insured on that part of the judgment we pay. If we make an offer to pay the applicable limit of insurance, we will not pay any prejudgment interest based on that period of time after the offer.
 - f. All interest that accrues on the full amount of any judgment after entry of the judgment and before we have paid, offered to pay or deposited in court the part of the judgment that is within the

applicable limit of insurance. If we do not pay part of the judgment for any reason other than it is more than the applicable limit of insurance, we will not pay any interest that accrues on that portion of the judgment.

With respect to a claim we investigate or settle, or "suit" against an insured we defend under **COVERAGE A – EXCESS FOLLOW-FORM LIABILITY**, these payments will not reduce the applicable limits of insurance, but only if the applicable "underlying insurance" provides for such payments in addition to its limits of insurance. With respect to a claim we investigate or settle, or "suit" against an insured we defend under **COVERAGE B – UMBRELLA LIABILITY**, these payments will not reduce the applicable limits of insurance.

SECTION II – WHO IS AN INSURED

A. COVERAGE A – EXCESS FOLLOW-FORM LIABILITY

With respect to Coverage A, the following persons and organizations qualify as insureds:

1. The Named Insured shown in the Declarations; and
2. Any other person or organization qualifying as an insured in the "underlying insurance". If you have agreed to provide insurance for that person or organization in a written contract or agreement:
 - a. The limits of insurance afforded to such person or organization will be:
 - (1) The amount by which the minimum limits of insurance you agreed to provide such person or organization in that written contract or agreement exceed the total limits of insurance of all applicable "underlying insurance"; or
 - (2) The limits of insurance of this policy; whichever is less; and
 - b. Coverage under this policy does not apply to such person or organization if the minimum limits of insurance you agreed to provide such person or organization in that written contract or agreement are wholly within the total limits of insurance of all available applicable "underlying insurance".

B. COVERAGE B – UMBRELLA LIABILITY

With respect to Coverage B:

1. The Named Insured shown in the Declarations is an insured.
2. If you are:

- a. An individual, your spouse is also an insured, but only with respect to the conduct of a business of which you are the sole owner.
- b. A partnership or joint venture, your members, your partners and their spouses are also insureds, but only with respect to the conduct of your business.
- c. A limited liability company, your members are also insureds, but only with respect to the conduct of your business. Your managers are also insureds, but only with respect to their duties as your managers.
- d. An organization other than a partnership, joint venture or limited liability company, your "officers" and directors are also insureds, but only with respect to their duties as your "officers" or directors. Your stockholders are also insureds, but only with respect to their liability as stockholders.
- e. A trust, your trustees are also insureds, but only with respect to their duties as trustees.

3. Each of the following is also an insured:

- a. Your "volunteer workers" only while performing duties related to the conduct of your business, or your "employees", other than either your "officers" (if you are an organization other than a partnership, joint venture or limited liability company) or your managers (if you are a limited liability company), but only for acts within the scope of their employment by you or while performing duties related to the conduct of your business. However, none of these "employees" or "volunteer workers" are insureds for:

(1) "Bodily injury" or "personal injury":

- (a) To you, to your partners or members (if you are a partnership or joint venture), to your members (if you are a limited liability company), to a co-"employee" while in the course of his or her employment or performing duties related to the conduct of your business, or to your other "volunteer workers" while performing duties related to the conduct of your business;
- (b) To the spouse, child, parent, brother or sister of that co-"employee" or "volunteer worker"

as a consequence of Paragraph **(1)(a)** above;

- (c) For which there is any obligation to share damages with or repay someone else who must pay damages because of the injury described in Paragraph **(1)(a)** or **(b)** above; or
- (d) Arising out of his or her providing or failing to provide professional health care services.

Unless you are in the business or occupation of providing professional health care services, Paragraphs **(1)(a)**, **(b)**, **(c)** and **(d)** above do not apply to "bodily injury" arising out of providing or failing to provide first aid or "Good Samaritan services" by any of your "employees" or "volunteer workers" other than an employed or volunteer doctor. Any such "employees" or "volunteer workers" providing or failing to provide first aid or "Good Samaritan services" during their work hours for you will be deemed to be acting within the scope of their employment by you or performing duties related to the conduct of your business.

(2) "Property damage" to property:

- (a) Owned, occupied or used by; or
- (b) Rented to, in the care, custody or control of, or over which physical control is being exercised for any purpose by; you, any of your "employees" or "volunteer workers", any of your partners or members (if you are a partnership or joint venture), or any of your members (if you are a limited liability company).

- b. Any person (other than your "employee" or "volunteer worker"), or any organization, while acting as your real estate manager.
- c. Any person or organization having proper temporary custody of your property if you die, but only:
 - (1) With respect to liability arising out of the maintenance or use of that property; and
 - (2) Until your legal representative has been appointed.
- d. Your legal representative if you die, but only with respect to duties as such. That

representative will have all your rights and duties under this insurance.

4. Any organization, other than a partnership, joint venture or limited liability company, of which you are the sole owner, or in which you maintain an ownership interest of more than 50%, on the first day of the policy period is an insured and will qualify as a Named Insured. No such organization is an insured or will qualify as a Named Insured for "bodily injury" or "property damage" that occurred, or "personal injury" or "advertising injury" caused by an offense committed after the date, if any, during the policy period, that you no longer maintain an ownership interest of more than 50% in such organization.

5. Any organization you newly acquire or form, other than a partnership, joint venture or limited liability company, and of which you are the sole owner, or in which you maintain an ownership interest of more than 50%, is an insured and will qualify as a Named Insured if there is no other similar insurance available to that organization. However:

- a. Coverage under this provision is afforded only until the 180th day after you acquire or form the organization or the end of the policy period, whichever is earlier; and
- b. Coverage for such organization does not apply to:
 - (1) "Bodily injury" or "property damage" that occurred; or
 - (2) "Personal injury" or "advertising injury" arising out of an offense committed;

before you acquired or formed the organization.

No person or organization is an insured or will qualify as a Named Insured with respect to the conduct of any current or past partnership, joint venture or limited liability company that is not shown as a Named Insured in the Declarations. This paragraph does not apply to any such partnership, joint venture or limited liability company that otherwise qualifies as an insured under Paragraph B. of **SECTION II – WHO IS AN INSURED**.

C. COVERAGE C – CRISIS MANAGEMENT SERVICE EXPENSES

With respect to Coverage C, the following persons and organizations are insureds and will qualify as Named Insureds:

1. The Named Insured shown in the Declarations.

2. Any organization, other than a partnership, joint venture or limited liability company, of which you are the sole owner, or in which you maintain an ownership interest of more than 50%, on the first day of the policy period. No such organization is an insured or will qualify as a Named Insured for "crisis management service expenses" arising out of a "crisis management event" that first commences after the date, if any, during the policy period, that you no longer maintain an ownership interest of more than 50% in such organization.

3. Any organization you newly acquire or form, other than a partnership, joint venture or limited liability company, and of which you are the sole owner, or in which you maintain an ownership interest of more than 50%, if there is no other similar insurance available to that organization. However:

- a. Coverage under this provision is afforded only until the 180th day after you acquire or form the organization or the end of the policy period, whichever is earlier; and
- b. Coverage for such organization does not apply to "crisis management service expenses" arising out of a "crisis management event" that occurred before you acquired or formed the organization, even if an "executive officer" only first becomes aware of an "event" or "occurrence" that leads to such "crisis management event" after the date you acquired or formed the organization.

No person or organization is an insured or will qualify as a Named Insured with respect to the conduct of any current or past partnership, joint venture or limited liability company that is not shown as a Named Insured in the Declarations.

SECTION III – LIMITS OF INSURANCE

- A. The Limits of Insurance shown in the Declarations and the rules below fix the most we will pay for the amounts described below to which this insurance applies regardless of the number of:

1. Insureds;
2. Claims made or "suits" brought;
3. Number of vehicles involved;
4. Persons or organizations making claims or bringing "suits"; or
5. Coverages provided under this insurance.

As indicated in Paragraph D.1. of **SECTION I – COVERAGES**, for any "suit" for which we have the right and duty to defend the insured under Coverage A, defense expenses will be within the

limits of insurance of this policy when such expenses are within the limits of insurance of the applicable "underlying insurance".

B. The General Aggregate Limit is the most we will pay for the sum of all:

1. Damages; and
2. Defense expenses if such expenses are within the limits of insurance of this policy;

except:

1. Damages and defense expenses because of "bodily injury" or "property damage" included in the "auto hazard";
2. Damages and defense expenses because of "bodily injury" or "property damage" included in the "products-completed operations hazard"; or
3. Damages and defense expenses for which insurance is provided under any Aircraft Liability coverage included as "underlying insurance" to which no aggregate limit applies.

C. The Products-Completed Operations Aggregate Limit is the most we will pay for the sum of all:

1. Damages; and
2. Defense expenses if such expenses are within the limits of insurance of this policy; because of "bodily injury" or "property damage" included in the "products-completed operations hazard".

D. Subject to Paragraph **B.** or **C.** above, whichever applies, the Occurrence Limit is the most we will pay for the sum of all:

1. Damages, and defense expenses if such expenses are within the limits of insurance of this policy, under Coverage **A** arising out of any one "event" to which the "underlying insurance" applies a limit of insurance that is separate from any aggregate limit of insurance; and
2. Damages under Coverage **B** because of all "bodily injury", "property damage", "personal injury" or "advertising injury" arising out of any one "occurrence".

For the purposes of determining the applicable Occurrence Limit, all related acts or omissions committed in the providing or failing to provide first aid or "Good Samaritan services" to any one person will be considered one "occurrence".

E. The Crisis Management Service Expenses Limit is the most we will pay for the sum of all "crisis management service expenses" arising out of all "crisis management events". Payment of such "crisis management service expenses" is in addition to, and will not reduce, any other limit of insurance of this policy.

F. The limits of insurance of this policy apply separately to each consecutive annual period and to any remaining period of less than 12 months, starting with the beginning of the policy period shown in the Declarations. If the policy period is extended after issuance for an additional period of less than 12 months, the additional period will be deemed part of the last preceding period for purposes of determining the limits of insurance.

SECTION IV – EXCLUSIONS

This insurance does not apply to:

A. With respect to Coverage **A** and Coverage **B**:

1. Asbestos

- a. Damages arising out of the actual or alleged presence or actual, alleged or threatened dispersal of asbestos, asbestos fibers or products containing asbestos, provided that the damages are caused or contributed to by the hazardous properties of asbestos.
- b. Damages arising out of the actual or alleged presence or actual, alleged or threatened dispersal of any solid, liquid, gaseous or thermal irritant or contaminant, including smoke, vapors, soot, fumes, acids, alkalis, chemicals and waste, and that are part of any claim or "suit" which also alleges any damages described in Paragraph **a.** above.
- c. Any loss, cost or expense arising out of any:
 - (1) Request, demand, order or statutory or regulatory requirement that any insured or others test for, monitor, clean up, remove, contain, treat, detoxify or neutralize, or in any way respond to, or assess the effects of, asbestos, asbestos fibers or products containing asbestos; or
 - (2) Claim or "suit" by or on behalf of any governmental authority or any other person or organization because of testing for, monitoring, cleaning up, removing, containing, treating, detoxifying or neutralizing, or in any way responding to, or assessing the effects of, asbestos, asbestos fibers or products containing asbestos.

2. Employment-Related Practices

Damages because of injury to:

- a. A person arising out of any:
 - (1) Refusal to employ that person;
 - (2) Termination of that person's employment; or

(3) Employment-related practice, policy, act or omission, such as coercion, demotion, evaluation, reassignment, discipline, failure to promote or advance, harassment, humiliation, discrimination, libel, slander, violation of the person's right of privacy, malicious prosecution or false arrest, detention or imprisonment, applied to or directed at that person, regardless of whether such practice, policy, act or omission occurs, is applied or is committed before, during or after the time of that person's employment; or

b. The spouse, child, parent, brother or sister of that person as a consequence of injury to that person as described in Paragraphs **a.(1), (2) or (3)** above.

This exclusion applies:

- a.** Whether the insured may be liable as an employer or in any other capacity; and
- b.** To any obligation to share damages with or repay someone else who must pay damages because of the injury.

3. ERISA, COBRA And Similar Laws

Any obligation of the insured under:

- a.** The Employees Retirement Income Security Act Of 1974 (ERISA) or any of its amendments;
- b.** The Consolidated Omnibus Budget Reconciliation Act of 1985 (COBRA) or any of its amendments; or
- c.** Any similar common or statutory law of any jurisdiction.

4. Medical Expenses Or Payments

Any obligation of the insured under any "medical expenses" or medical payments coverage.

5. Nuclear Material

Damages arising out of:

- a.** The actual, alleged or threatened exposure of any person or property to; or
- b.** The "hazardous properties" of; any "nuclear material".

As used in this exclusion:

- a.** "Hazardous properties" includes radioactive, toxic or explosive properties;
- b.** "Nuclear material" means "source material", "special nuclear material" or "by-product material"; and
- c.** "Source material", "special nuclear material" and "by-product material" have

the meanings given them in the Atomic Energy Act of 1954 or any of its amendments.

6. Uninsured or Underinsured Motorists, No-Fault And Similar Laws

Any liability imposed on the insured, or the insured's insurer, under any of the following laws:

- a.** Uninsured motorists;
- b.** Underinsured motorists;
- c.** Auto no-fault or other first-party personal injury protection (PIP);
- d.** Supplementary uninsured/underinsured motorists (New York); or
- e.** Medical expense benefits and income loss benefits (Virginia).

7. War

Damages arising out of:

- a.** War, including undeclared or civil war; or
- b.** Warlike action by a military force, including action in hindering or defending against an actual or expected attack, by any government, sovereign or other authority using military personnel or other agents; or
- c.** Insurrection, rebellion, revolution, usurped power or action taken by governmental authority in hindering or defending against any of these.

8. Workers Compensation And Similar Laws

Any obligation of the insured under a workers compensation, disability benefits or unemployment compensation law or any similar law.

B. With respect to Coverage B:

1. Expected Or Intended Bodily Injury Or Property Damage

"Bodily injury" or "property damage" expected or intended from the standpoint of the insured. This exclusion does not apply to "bodily injury" or "property damage" resulting from the use of reasonable force to protect persons or property.

2. Contractual Liability

"Bodily injury", "property damage", "personal injury" or "advertising injury" for which the insured is obligated to pay damages by reason of the assumption of liability in a contract or agreement. This exclusion does not apply to liability for damages that the insured would have in the absence of the contract or agreement.

3. Liquor Liability

"Bodily injury" or "property damage" for which any insured may be liable by reason of:

- a. Causing or contributing to the intoxication of any person, including causing or contributing to the intoxication of any person because alcoholic beverages were permitted to be brought on your premises for consumption on your premises;
- b. The furnishing of alcoholic beverages to a person under the legal drinking age or under the influence of alcohol; or
- c. Any statute, ordinance or regulation relating to the sale, gift, distribution or use of alcoholic beverages.

4. Employers Liability

"Bodily injury" to:

- a. An "employee" of the insured arising out of and in the course of:
 - (1) Employment by the insured; or
 - (2) Performing duties related to the conduct of the insured's business; or
- b. The spouse, child, parent, brother or sister of that "employee" as a consequence of "bodily injury" described in Paragraph **a.** above.

This exclusion applies:

- a. Whether the insured may be liable as an employer or in any other capacity; and
- b. To any obligation to share damages with or repay someone else who must pay damages because of the "bodily injury".

5. Pollution

- a. "Bodily injury", "property damage", "personal injury" or "advertising injury" arising out of the actual, alleged or threatened discharge, dispersal, seepage, migration, release or escape of "pollutants".
- b. Any loss, cost or expense arising out of any:
 - (1) Request, demand, order or statutory or regulatory requirement that any insured or any other person or organization test for, monitor, clean up, remove, contain, treat, detoxify or neutralize, or in any way respond to, or assess the effects of, "pollutants"; or
 - (2) Claim or "suit" by or on behalf of any governmental authority or any other person or organization because of testing for, monitoring, cleaning up,

removing, containing, treating, detoxifying or neutralizing, or in any way responding to, or assessing the effects of, "pollutants".

6. Aircraft

"Bodily injury" or "property damage" arising out of the ownership, maintenance, use or entrustment to others of any aircraft owned or operated by or rented or loaned to any insured. Use includes operation and "loading or unloading".

This exclusion applies even if the claims against any insured allege negligence or other wrongdoing in the supervision, hiring, employment, training or monitoring of others by that insured, if the "occurrence" which caused the "bodily injury" or "property damage" involved the ownership, maintenance, use or entrustment to others of any aircraft that is owned or operated by or rented or loaned to any insured.

7. Auto

"Bodily injury" or "property damage" arising out of the ownership, maintenance, use or entrustment to others of any "auto". Use includes operation and "loading or unloading".

This exclusion applies even if the claims against any insured allege negligence or other wrongdoing in the supervision, hiring, employment, training or monitoring of others by that insured, if the "occurrence" which caused the "bodily injury" or "property damage" involved the ownership, maintenance, use or entrustment to others of any "auto".

This exclusion does not apply to "bodily injury" or "property damage" caused by an "occurrence" that takes place outside of the United States of America (including its territories and possessions), Puerto Rico and Canada.

8. Watercraft

"Bodily injury" or "property damage" arising out of the ownership, maintenance, use or entrustment to others of any watercraft owned or operated by or rented or loaned to any insured. Use includes operation and "loading or unloading".

This exclusion applies even if the claims against any insured allege negligence or other wrongdoing in the supervision, hiring, employment, training or monitoring of others by that insured, if the "occurrence" which caused the "bodily injury" or "property damage" involved the ownership,

maintenance, use or entrustment to others of any watercraft that is owned or operated by or rented or loaned to any insured.

This exclusion does not apply to a watercraft:

- a. While ashore on premises owned by or rented to any insured; or
- b. That is 50-feet long or less and that:
 - (1) You own; or
 - (2) You do not own and is not being used to carry any person or property for a charge.

9. Electronic Data

Damages claimed for the loss of, loss of use of, damage to, corruption of, inability to access, or inability to manipulate "electronic data".

10. Damage To Property, Products Or Work

"Property damage" to:

- a. Property you own, rent or occupy, including any costs or expenses incurred by you, or any other person or organization, for repair, replacement, enhancement, restoration or maintenance of such property for any reason, including prevention of injury to a person or damage to another's property;
- b. Premises you sell, give away or abandon if the "property damage" arises out of any part of those premises;
- c. Property loaned to you;
- d. Personal property in the care, custody or control of the insured;
- e. That particular part of real property on which you or any contractors or subcontractors working directly or indirectly on your behalf are performing operations if the "property damage" arises out of those operations;
- f. That particular part of any property that must be restored, repaired or replaced because "your work" was incorrectly performed on it;
- g. "Your product" arising out of "your product" or any part of it; or
- h. "Your work" arising out of "your work" or any part of it and included in the "products-completed operations hazard".

11. Damage To Impaired Property Or Property Not Physically Injured

"Property damage" to "impaired property", or property that has not been physically injured, arising out of:

- a. A defect, deficiency, inadequacy or dangerous condition in "your product" or "your work"; or
- b. A delay or failure by you, or anyone acting on your behalf, to fulfill the terms of a contract or agreement.

This exclusion does not apply to the loss of use of other property arising out of sudden and accidental physical injury to "your product" or "your work" after it has been put to its intended use.

12. Recall Of Products, Work Or Impaired Property

Damages claimed for any loss, cost or expense incurred by you or others for the loss of use, withdrawal, recall, inspection, repair, replacement, adjustment, removal or disposal of:

- a. "Your product";
- b. "Your work"; or
- c. "Impaired property";

if such product, work or property is withdrawn or recalled from the market or from use by any person or organization because of a known or suspected defect, deficiency, inadequacy or dangerous condition in it.

13. Violation Of Consumer Financial Protection Laws

"Bodily injury", "property damage", "personal injury" or "advertising injury" arising out of any actual or alleged violation of a "consumer financial protection law", or any other "bodily injury", "property damage", "personal injury" or "advertising injury" alleged in any claim or "suit" that also alleges any such violation.

14. Unsolicited Communication

"Bodily injury", "property damage", "personal injury" or "advertising injury" arising out of any actual or alleged violation of any law that restricts or prohibits the sending, transmitting or distributing of "unsolicited communication".

15. Access Or Disclosure Of Confidential Or Personal Information

"Bodily injury", "property damage", "personal injury" or "advertising injury" arising out of any access to or disclosure of any person's or organization's confidential or personal information.

16. Knowing Violation Of Rights Of Another

"Personal injury" or "advertising injury" caused by or at the direction of the insured with the knowledge that the act would violate the rights of another and would inflict "personal injury" or "advertising injury".

17. Material Published With Knowledge Of Falsity

"Personal injury" or "advertising injury" arising out of oral or written publication, including publication by electronic means, of material, if done by or at the direction of the insured with knowledge of its falsity.

18. Material Published Or Used Prior To Policy Period

- a. "Personal injury" or "advertising injury" arising out of oral or written publication, including publication by electronic means, of material whose first publication took place before the beginning of the policy period; or
- b. "Advertising injury" arising out of infringement of copyright, "title" or "slogan" in your "advertisement" whose first infringement in your "advertisement" was committed before the beginning of the policy period.

19. Criminal Acts

"Personal injury" or "advertising injury" arising out of a criminal act committed by or at the direction of the insured.

20. Breach Of Contract

"Personal injury" or "advertising injury" arising out of a breach of contract.

21. Quality Or Performance Of Goods – Failure To Conform To Statements

"Advertising injury" arising out of the failure of goods, products or services to conform with any statement of quality or performance made in your "advertisement".

22. Wrong Description Of Prices

"Advertising injury" arising out of the wrong description of the price of goods, products or services stated in your "advertisement".

23. Intellectual Property

"Personal injury" or "advertising injury" arising out of any actual or alleged infringement or violation of any of the following rights or laws, or any other "personal injury" or "advertising injury" alleged in any claim or "suit" that also alleges any such infringement or violation:

- a. Copyright;
- b. Patent;

- c. Trade dress;
- d. Trade name;
- e. Trademark;
- f. Trade secret; or
- g. Other intellectual property rights or laws.

This exclusion does not apply to:

- a. "Advertising injury" arising out of any actual or alleged infringement or violation of another's copyright, "title" or "slogan" in your "advertisement"; or
- b. Any other "personal injury" or "advertising injury" alleged in any claim or "suit" that also alleges any such infringement or violation of another's copyright, "title" or "slogan" in your "advertisement".

24. Insureds In Media And Internet Type Business

"Personal injury" or "advertising injury" arising out of an offense committed by an insured whose business is:

- a. Advertising, "broadcasting" or publishing;
- b. Designing or determining content of web-sites for others; or
- c. An Internet search, access, content or service provider.

This exclusion does not apply to Paragraphs **a.(1), (2) and (3)** of the definition of "personal injury".

For the purposes of this exclusion:

- a. Creating and producing correspondence written in the conduct of your business, bulletins, financial or annual reports, or newsletters about your goods, products or services will not be considered the business of publishing; and
- b. The placing of frames, borders or links, or advertising, for you or others anywhere on the Internet will not, by itself, be considered the business of advertising, "broadcasting" or publishing.

25. Electronic Chatrooms Or Bulletin Boards

"Personal injury" or "advertising injury" arising out of an electronic chatroom or bulletin board the insured hosts, owns or over which the insured exercises control.

26. Unauthorized Use Of Another's Name Or Product

"Personal injury" or "advertising injury" arising out of the unauthorized use of another's name or product in your e-mail address, domain name or metatag, or any other similar tactics to mislead another's potential customers.

C. With respect to Coverage C:

Newly Acquired, Controlled Or Formed Entities

"Crisis management service expenses" arising out of a "crisis management event" that involves any organization you newly acquire or form and that occurred prior to the date you acquired or formed that organization, even if an "executive officer" only first becomes aware of an "event" or "occurrence" that leads to such "crisis management event" after the date you acquired or formed such organization.

SECTION V – CONDITIONS

A. APPEALS

1. If the insured or the insured's "underlying insurer" elects not to appeal a judgment which exceeds the "applicable underlying limit" or "self-insured retention", we may do so.
2. If we appeal such a judgment, we will pay all costs of the appeal. These payments will not reduce the applicable limits of insurance. In no event will our liability exceed the applicable limit of insurance.

B. BANKRUPTCY

1. Bankruptcy or insolvency of the insured or of the insured's estate will not relieve us of our obligations under this insurance.
2. In the event of bankruptcy or insolvency of any "underlying insurer", this insurance will not replace such bankrupt or insolvent "underlying insurer's" policy, and this insurance will apply as if such "underlying insurer" had not become bankrupt or insolvent.

C. CANCELLATION

1. The first Named Insured shown in the Declarations may cancel this insurance by mailing or delivering to us advance written notice of cancellation.
2. We may cancel this insurance by mailing or delivering to such first Named Insured written notice of cancellation at least:
 - a. 10 days before the effective date of cancellation if we cancel for nonpayment of premium; or
 - b. 60 days before the effective date of cancellation if we cancel for any other reason.
3. We will mail or deliver our notice to such first Named Insured's last mailing address known to us.

4. Notice of cancellation will state the effective date of cancellation. The policy period will end on that date.
5. If this insurance is cancelled, we will send such first Named Insured any premium refund due. If we cancel, the refund will be pro rata. If such first Named Insured cancels, the refund may be less than pro rata. The cancellation will be effective even if we have not made or offered a refund.
6. If notice is mailed, proof of mailing will be sufficient proof of notice.

D. CHANGES

This policy contains all the agreements between you and us concerning the insurance afforded. No change can be made in the terms of this insurance except with our consent. The terms of this insurance can be amended or waived only by endorsement issued by us and made a part of this policy.

E. CURRENCY

Payments for damages or expenses described in Paragraph 5. of Paragraph D., **DEFENSE AND SUPPLEMENTARY PAYMENTS**, of **SECTION I – COVERAGES** will be in the currency of the United States of America. At our sole option, we may make these payments in a different currency. Any necessary currency conversion for such payments will be calculated based on the rate of exchange published in the Wall Street Journal immediately preceding the date the payment is processed.

F. DUTIES REGARDING AN EVENT, OCCURRENCE, CLAIM OR SUIT

1. You must see to it that we are notified as soon as practicable of an "event" or "occurrence" which may result in a claim under this insurance. To the extent possible, notice should include:
 - a. How, when and where the "event" or "occurrence" took place;
 - b. The names and addresses of any persons or organizations sustaining injury, damage or loss, and the names and addresses of any witnesses; and
 - c. The nature and location of any injury or damage arising out of the "event" or "occurrence".
2. If a claim is made or "suit" is brought against any insured which may result in a claim under this insurance, you must see to it that we receive written notice of the claim or "suit" as soon as practicable.

3. With respect to Coverage **A**, the insured must:
 - a. Cooperate with us in the investigation, settlement or defense of any claim or "suit";
 - b. Comply with the terms of the "underlying insurance"; and
 - c. Pursue all rights of contribution or indemnity against any person or organization who may be liable to the insured because of the injury, damage or loss for which insurance is provided under this policy or any policy of "underlying insurance".
4. With respect to Coverage **B**, the insured must:
 - a. Immediately send us copies of any demands, notices, summonses or legal papers received in connection with the claim or "suit";
 - b. Authorize us to obtain necessary records and other information;
 - c. Cooperate with us in the investigation, settlement or defense of any claim or "suit"; and
 - d. Assist us, upon our request, in the enforcement of any right against any person or organization which may be liable to the insured because of injury or damage to which Coverage **B** may apply.
5. No insured will, except at that insured's own expense, voluntarily make a payment, assume any obligation, make any admission or incur any expense, other than for first aid for "bodily injury" covered by this insurance, without our consent.
6. Knowledge of an "event", "occurrence", claim or "suit" by your agent, servant or "employee" will not constitute knowledge by you, unless your insurance or risk manager, or anyone working in the capacity as your insurance or risk manager, or anyone you designate with the responsibility of reporting an "event", "occurrence", claim or "suit":
 - a. Has received notice of such "event", "occurrence", claim or "suit" from such agent, servant or "employee"; or
 - b. Otherwise has knowledge of such "event", "occurrence", claim or "suit".

G. DUTIES REGARDING A CRISIS MANAGEMENT EVENT

You must:

1. Notify us within 30 days of a "crisis management event" that may result in "crisis management service expenses".
2. Provide written notice of the "crisis management event" as soon as practicable. To the extent possible, notice should include:
 - a. How, when and where that "crisis management event" took place;
 - b. The names and addresses of any persons or organizations sustaining injury, damage or loss, and the named and addresses of any witnesses;
 - c. The nature and location of any injury or damage arising out of that "crisis management event"; and
 - d. The reason that "crisis management event" is likely to involve damages covered by this insurance in excess of the "applicable underlying limit" or "self-insured retention" and involve regional or national media coverage.

H. EXAMINATION OF YOUR BOOKS AND RECORDS

We may examine and audit your books and records as they relate to this insurance:

1. At any time during the policy period;
2. Up to three years after the end of the policy period; and
3. Within one year after final settlement of all claims under this insurance.

I. EXTENDED REPORTING PERIOD OPTION

1. When the "underlying insurance" applies on a claims-made basis, any automatic or basic "extended reporting period" in such "underlying insurance" will apply to this insurance.
2. When the "underlying insurance" applies on a claims-made basis and you elect to purchase an optional or supplemental "extended reporting period" in such "underlying insurance," that "extended reporting period" will apply to this insurance only if:
 - a. A written request to purchase an Extended Reporting Period endorsement for this insurance is made by you and received by us within 90 days after the end of the policy period;

- b. You have paid all premiums due for this policy at the time you make such request;
 - c. You promptly pay the additional premium we charge for the Extended Reporting Period endorsement for this insurance when due. We will determine that additional premium after we have received your request for the Extended Reporting Period endorsement for this insurance. That additional premium is not subject to any limitation stated in the "underlying insurance" on the amount or percentage of additional premium that may be charged for the "extended reporting period" in such "underlying insurance"; and
 - d. That Extended Reporting Period endorsement is issued by us and made a part of this policy.
3. Any Extended Reporting Period endorsement for this insurance will not reinstate or increase the Limits of Insurance or extend the policy period.
 4. Except with respect to any provisions to the contrary contained in Paragraphs 1., 2. or 3. above, all provisions of any option to purchase an "extended reporting period" granted to you in the "underlying insurance" apply to this insurance.

J. INSPECTIONS AND SURVEYS

1. We have the right but are not obligated to:
 - a. Make inspections and surveys at any time;
 - b. Give you reports on the conditions we find; and
 - c. Recommend changes.
2. Any inspections, surveys, reports or recommendations relate only to insurability and the premiums to be charged. We do not make safety inspections. We do not undertake to perform the duty of any person or organization to provide for the health or safety of workers or the public. We do not warrant that conditions:
 - a. Are safe or healthful; or
 - b. Comply with laws, regulations, codes or standards.

K. LEGAL ACTION AGAINST US

1. No person or organization has a right under this insurance:
 - a. To join us as a party or otherwise bring us into a "suit" asking for damages from an insured; or

- b. To sue us on this insurance unless all of its terms have been fully complied with.
2. A person or organization may sue us to recover on an agreed settlement or on a final judgment against an insured. We will not be liable for damages that:
 - a. Are not payable under the terms of this insurance; or
 - b. Are in excess of the applicable limit of insurance.

An agreed settlement means a settlement and release of liability signed by us, the insured and the claimant or the claimant's legal representative.

L. MAINTENANCE OF UNDERLYING INSURANCE

1. The insurance afforded by each policy of "underlying insurance" will be maintained for the full policy period of this Excess Follow-Form And Umbrella Liability Insurance. This provision does not apply to the reduction or exhaustion of the aggregate limit or limits of such "underlying insurance" solely by payments as permitted in Paragraphs 4.a.(1), (2) and (3) of **COVERAGE A – EXCESS FOLLOW-FORM LIABILITY** of **SECTION I – COVERAGES**. As such policies expire, you will renew them at limits and with coverage at least equal to the expiring limits of insurance. If you fail to comply with the above requirements, Coverage A is not invalidated. However, in the event of a loss, we will pay only to the extent that we would have paid had you complied with the above requirements.
2. The first Named Insured shown in the Declarations must give us written notice of any change in the "underlying insurance" as respects:
 - a. Coverage;
 - b. Limits of insurance;
 - c. Termination of any coverage; or
 - d. Exhaustion of aggregate limits.
3. If you are unable to recover from any "underlying insurer" because you fail to comply with any term or condition of the "underlying insurance", Coverage A is not invalidated. However, we will pay for any loss only to the extent that we would have paid had you complied with that term or condition in that "underlying insurance".

M. OTHER INSURANCE

This insurance is excess over any valid and collectible "other insurance" whether such "other insurance" is stated to be primary, contributing,

excess, contingent or otherwise. This provision does not apply to a policy bought specifically to apply as excess of this insurance.

However, if you specifically agree in a written contract or agreement that the insurance provided to any person or organization that qualifies as an insured under this insurance must apply on a primary basis, or a primary and non-contributory basis, then insurance provided under Coverage A is subject to the following provisions:

1. This insurance will apply before any "other insurance" that is available to such additional insured which covers that person or organization as a named insured, and we will not share with that "other insurance", provided that the injury or damage for which coverage is sought is caused by an "event" that takes place or is committed subsequent to the signing of that contract or agreement by you.
2. This insurance is still excess over any valid and collectible "other insurance", whether primary, excess, contingent or otherwise, which covers that person or organization as an additional insured or as any other insured that does not qualify as a named insured.

N. PREMIUM

1. The first Named Insured shown in the Declarations is responsible for the payment of all premiums and will be the payee for any return premiums.
2. If the premium is a flat charge, it is not subject to adjustment except as provided in Paragraph 4. below.
3. If the premium is other than a flat charge, it is an advance premium only. The earned premium will be computed at the end of the policy period, or at the end of each year of the policy period if the policy period is two years or longer, at the rate shown in the Declarations, subject to the Minimum Premium.
4. Additional premium may become payable when coverage is provided for additional insureds under the provisions of **SECTION II – WHO IS AN INSURED**.

O. PREMIUM AUDIT

The premium for this policy is the amount stated in Item 5. of the Declarations. The premium is a flat charge unless it is specified in the Declarations as adjustable.

P. PROHIBITED COVERAGE – UNLICENSED INSURANCE

1. With respect to loss sustained by any insured in a country or jurisdiction in which we are not licensed to provide this insurance, this insurance does not apply to the extent that insuring such loss would violate the laws or regulations of such country or jurisdiction.
2. We do not assume responsibility for:
 - a. The payment of any fine, fee, penalty or other charge that may be imposed on any person or organization in any country or jurisdiction because we are not licensed to provide insurance in such country or jurisdiction; or
 - b. The furnishing of certificates or other evidence of insurance in any country or jurisdiction in which we are not licensed to provide insurance.

Q. PROHIBITED COVERAGE – TRADE OR ECONOMIC SANCTIONS

We will provide coverage for any loss, or otherwise will provide any benefit, only to the extent that providing such coverage or benefit does not expose us or any of our affiliated or parent companies to:

1. Any trade or economic sanction under any law or regulation of the United States of America; or
2. Any other applicable trade or economic sanction, prohibition or restriction.

R. REPRESENTATIONS

By accepting this insurance, you agree:

1. The statements in the Declarations and any subsequent notice relating to "underlying insurance" are accurate and complete;
2. Those statements are based upon representations you made to us; and
3. We have issued this insurance in reliance upon your representations.

S. SEPARATION OF INSURED

Except with respect to the Limits of Insurance, and any rights or duties specifically assigned in this policy to the first Named Insured shown in the Declarations, this insurance applies:

1. As if each Named Insured were the only Named Insured; and
2. Separately to each insured against whom claim is made or "suit" is brought.

T. WAIVER OR TRANSFER OF RIGHTS OF RECOVERY AGAINST OTHERS TO US

1. If the insured has rights to recover all or part of any payment we have made under this insurance, those rights are transferred to us and the insured must do nothing after loss to impair them. At our request, the insured will bring suit or transfer those rights to us and help us, and with respect to Coverage A, the "underlying insurer", enforce them.

If the insured has agreed in a contract or agreement to waive that insured's right of recovery against any person or organization, we waive our right of recovery against that person or organization, but only for payments we make because of an "event" that takes place or is committed subsequent to the execution of that contract or agreement by such insured.

2. Reimbursement of any amount recovered will be made in the following order:
 - a. First, to any person or organization (including us or the insured) who has paid any amount in excess of the applicable limit of insurance;
 - b. Next, to us; and
 - c. Then, to any person or organization (including the insured and with respect to Coverage A, the "underlying insurer") that is entitled to claim the remainder, if any.
3. Expenses incurred in the process of recovery will be divided among all persons or organizations receiving amounts recovered according to the ratio of their respective recoveries.

U. TRANSFER OF YOUR RIGHTS AND DUTIES UNDER THIS INSURANCE

1. Your rights and duties under this insurance may not be transferred without our written consent except in the case of death of an individual Named Insured.
2. If you die, your rights and duties will be transferred to your legal representative but only while acting within the scope of duties as your legal representative. Until your legal representative is appointed, anyone having proper temporary custody of your property will have your rights and duties but only with respect to that property.

V. UNINTENTIONAL OMISSION OR ERROR

The unintentional omission of, or unintentional error in, any information provided by you which we relied upon in issuing this policy will not prejudice your rights under this insurance. However, this

provision does not affect our right to collect additional premium or to exercise our rights of cancellation or nonrenewal in accordance with applicable insurance laws or regulations.

W. WHEN LOSS IS PAYABLE

If we are liable under this insurance, we will pay for injury, damage or loss after:

1. The insured's liability is established by:
 - a. A court decision; or
 - b. A written agreement between the claimant, the insured, any "underlying insurer" and us; and
2. The amount of the "applicable underlying limit" or "self-insured retention" is paid by or on behalf of the insured.

SECTION VI – DEFINITIONS

A. With respect to all coverages of this insurance:

1. "Applicable underlying limit" means the sum of:
 - a. The applicable limit of insurance stated for the policies of "underlying insurance" in the Schedule Of Underlying Insurance subject to the provisions in Paragraphs 4.a.(1), (2) and (3) of **COVERAGE A – EXCESS FOLLOW-FORM LIABILITY of SECTION I – COVERAGES**; and
 - b. The applicable limit of insurance of any "other insurance" that applies.

The limits of insurance in any policy of "underlying insurance" will apply even if:

- a. The "underlying insurer" claims the insured failed to comply with any term or condition of the policy; or
 - b. The "underlying insurer" becomes bankrupt or insolvent.
2. "Auto hazard" means all "bodily injury" and "property damage" to which liability insurance afforded under an auto policy of "underlying insurance" would apply but for the exhaustion of its applicable limits of insurance.
 3. "Electronic data" means information, facts or programs stored as or on, created or used on, or transmitted to or from computer software (including systems and applications software), hard or floppy disks, CD-ROMs, tapes, drives, cells, data processing devices or any other media which are used with electronically controlled equipment.
 4. "Event" means an "occurrence", offense, accident, act, error, omission, wrongful act or loss.

5. "Extended reporting period" means any period of time, starting with the end of the policy period of your claims-made insurance, during which claims or "suits" may be first made, brought or reported for that insurance.
6. "Medical expenses" means expenses to which any Medical Payments section of any policy of Commercial General Liability "underlying insurance" applies.
7. "Other insurance" means insurance, or the funding of losses, that is provided by, through or on behalf of:
 - a. Another insurance company;
 - b. Us or any of our affiliated insurance companies;
 - c. Any risk retention group;
 - d. Any self-insurance method or program, in which case the insured will be deemed to be the provider of such insurance; or
 - e. Any similar risk transfer or risk management method.

"Other insurance" does not include:

 - a. Any "underlying insurance"; or
 - b. Any policy of insurance specifically purchased to be excess of the limits of insurance of this policy shown in the Declarations.
8. "Products-completed operations hazard":
 - a. Includes all "bodily injury" and "property damage" occurring away from premises you own or rent and arising out of "your product" or "your work" except:
 - (1) Products that are still in your physical possession; or
 - (2) Work that has not yet been completed or abandoned. However, "your work" will be deemed completed at the earliest of the following times:
 - (a) When all the work called for in your contract has been completed;
 - (b) When all the work to be done at the job site has been completed if your contract calls for work at more than one job site; or
 - (c) When that part of the work done at a job site has been put to its intended use by any person or organization other than another contractor or subcontractor working on the same project.

Work that may need service, maintenance, correction, repair or replacement, but which is otherwise complete, will be treated as completed.

- b. Does not include "bodily injury" or "property damage" arising out of:
 - (1) The transportation of property, unless the injury or damage arises out of a condition in or on a vehicle not owned or operated by you, and that condition was created by the "loading or unloading" of that vehicle by any insured;
 - (2) The existence of tools, uninstalled equipment or abandoned or unused materials; or
 - (3) Products or operations for which the classification listed in a policy of Commercial General Liability "underlying insurance" states that products-completed operations are subject to the General Aggregate Limit.
9. "Suit" means a civil proceeding which alleges damages. "Suit" includes:
 - a. An arbitration proceeding in which damages are claimed and to which the insured must submit or does submit with our consent; or
 - b. Any other alternative dispute resolution proceeding to which the insured submits with our consent.
10. "Underlying insurance":
 - a. Means the policy or policies of insurance listed in the Schedule Of Underlying Insurance.
 - b. Includes any renewal or replacement of such policies if such renewal or replacement is during the policy period of this Excess Follow-Form And Umbrella Liability Insurance.
 - c. Does not include any part of the policy period of any of the policies described in Paragraphs **a.** or **b.** above that began before, or that continues after, the policy period of this Excess Follow-Form And Umbrella Liability Insurance.
11. "Underlying insurer" means any insurer which provides a policy of insurance listed in the Schedule Of Underlying Insurance.

UMBRELLA

- B.** With respect to Coverage **B** and, to the extent that the following terms are not defined in the "underlying insurance", to Coverage **A**:
- 1.** "Advertisement" means a notice that is broadcast or published to the general public or specific market segments about your goods, products or services for the purpose of attracting customers or supporters. For the purposes of this definition:
 - a.** Notices that are published include material placed on the Internet or on similar electronic means of communication; and
 - b.** Regarding web sites, only that part of a web site that is about your goods, products or services for the purposes of attracting customers or supporters is considered an advertisement.
 - 2.** "Advertising injury":
 - a.** Means injury, other than "personal injury", caused by one or more of the following offenses:
 - (1)** Oral or written publication, including publication by electronic means, of material in your "advertisement" that slanders or libels a person or organization or disparages a person's or organization's goods, products or services, provided that the claim is made or the "suit" is brought by a person or organization that claims to have been slandered or libeled, or that claims to have had its goods, products or services disparaged;
 - (2)** Oral or written publication, including publication by electronic means, of material in your "advertisement" that:
 - (a)** Appropriates a person's name, voice, photograph or likeness; or
 - (b)** Unreasonably places a person in a false light; or
 - (3)** Infringement of copyright, "title" or "slogan" in your "advertisement", provided that the claim is made or the "suit" is brought by a person or organization that claims ownership of such copyright, "title" or "slogan".
 - b.** Includes "bodily injury" caused by one or more of the offenses described in Paragraph **a.** above.
 - 3.** "Auto" means:
 - a.** A land motor vehicle, trailer or semitrailer designed for travel on public roads, including any attached machinery or equipment; or
 - b.** Any other land vehicle that is subject to a compulsory or financial responsibility law or other motor vehicle insurance law where it is licensed or principally garaged.However, "auto" does not include "mobile equipment".
 - 4.** "Bodily injury" means:
 - a.** Physical harm, including sickness or disease, sustained by a person; or
 - b.** Mental anguish, injury or illness, or emotional distress, resulting at any time from such physical harm, sickness or disease.
 - 5.** "Broadcasting" means transmitting any audio or visual material for any purpose:
 - a.** By radio or television; or
 - b.** In, by or with any other electronic means of communication, such as the Internet, if that material is part of:
 - (1)** Radio or television programming being transmitted;
 - (2)** Other entertainment, educational, instructional, music or news programming being transmitted; or
 - (3)** Advertising transmitted with any such programming.
 - 6.** "Consumer financial identity information" means any of the following information for a person that is used or collected for the purpose of serving as a factor in establishing such person's eligibility for personal credit, insurance or employment or for the purpose of conducting a business transaction:
 - a.** Part or all of the account number, the expiration date or the balance of any credit, debit, bank or other financial account;
 - b.** Information bearing on a person's credit worthiness, credit standing or credit capacity;
 - c.** Social security number;
 - d.** Driver's license number; or
 - e.** Birth date.
 - 7.** "Consumer financial protection law" means:
 - a.** The Fair Credit Reporting Act (FCRA) and any of its amendments, including the Fair and Accurate Credit Transactions Act (FACTA);

- b. California's Song-Beverly Credit Card Act and any of its amendments; or
 - c. Any other law or regulation that restricts or prohibits the collection, dissemination, transmission, distribution or use of "consumer financial identity information".
8. "Employee" includes a "leased worker". "Employee" does not include a "temporary worker".
9. "Good Samaritan services" means any emergency medical services for which no compensation is demanded or received.
10. "Impaired property" means tangible property, other than "your product" or "your work", that cannot be used or is less useful because:
- a. It incorporates "your product" or "your work" that is known or thought to be defective, deficient, inadequate or dangerous; or
 - b. You have failed to fulfill the terms of a contract or agreement;
- if such property can be restored to use by the repair, replacement, adjustment or removal of "your product" or "your work" or your fulfilling the terms of the contract or agreement.
11. "Leased worker" means a person leased to you by a labor leasing firm under an agreement between you and the labor leasing firm, to perform duties related to the conduct of your business. "Leased worker" does not include a "temporary worker".
12. "Loading or unloading" means the handling of property:
- a. After it is moved from the place where it is accepted for movement into or onto an aircraft, watercraft or "auto";
 - b. While it is in or on an aircraft, watercraft or "auto"; or
 - c. While it is being moved from an aircraft, watercraft or "auto" to the place where it is finally delivered;
- but "loading or unloading" does not include the movement of property by means of a mechanical device, other than a hand truck, that is not attached to the aircraft, watercraft or "auto".
13. "Mobile equipment" means any of the following types of land vehicles, including any attached machinery or equipment:
- a. Bulldozers, farm machinery, forklifts and other vehicles designed for use principally off public roads.
 - b. Vehicles maintained for use solely on or next to premises you own or rent.
 - c. Vehicles that travel on crawler treads.
 - d. Vehicles, whether self-propelled or not, maintained primarily to provide mobility to permanently mounted:
 - (1) Power cranes, shovels, loaders, diggers or drills; or
 - (2) Road construction or resurfacing equipment such as graders, scrapers or rollers.
 - e. Vehicles not described in Paragraph a., b., c. or d. above that are not self-propelled and are maintained primarily to provide mobility to permanently attached equipment of the following types:
 - (1) Air compressors, pumps and generators, including spraying, welding, building cleaning, geophysical exploration, lighting and well servicing equipment; or
 - (2) Cherry pickers and similar devices used to raise or lower workers.
 - f. Vehicles not described in Paragraph a., b., c. or d. above maintained primarily for purposes other than the transportation of persons or cargo.
- However, self-propelled vehicles with the following types of permanently attached equipment are not "mobile equipment" but will be considered "autos":
- (1) Equipment designed primarily for:
 - (a) Snow removal;
 - (b) Road maintenance, but not construction or resurfacing; or
 - (c) Street cleaning;
 - (2) Cherry pickers and similar devices mounted on automobile or truck chassis and used to raise or lower workers; and
 - (3) Air compressors, pumps and generators, including spraying, welding, building cleaning, geophysical exploration, lighting and well servicing equipment.
- However, "mobile equipment" does not include any land vehicle that is subject to a compulsory or financial responsibility law, or other motor vehicle insurance law, where it is licensed or principally garaged. Such land vehicles are considered "autos".

14. "Occurrence" means:

a. With respect to "bodily injury" or "property damage":

(1) An accident, including continuous or repeated exposure to substantially the same general harmful conditions, which results in "bodily injury" or "property damage". All "bodily injury" or "property damage" caused by such exposure to substantially the same general harmful conditions will be deemed to be caused by one "occurrence"; or

(2) An act or omission committed in providing or failing to provide first aid or "Good Samaritan services" to a person by any of your "employees" or "volunteer workers" other than an employed or volunteer doctor, unless you are in the business or occupation of providing professional health care services;

b. With respect to "personal injury", an offense arising out of your business that results in "personal injury". All "personal injury" caused by the same or related injurious material, act or offense will be deemed to be caused by one "occurrence", regardless of the frequency or repetition thereof, the number and kind of media used or the number of persons or organizations making claims or bringing "suits"; and

c. With respect to "advertising injury", an offense committed in the course of advertising your goods, products and services that results in "advertising injury". All "advertising injury" caused by the same or related injurious material, act or offense will be deemed to be caused by one "occurrence", regardless of the frequency or repetition thereof, the number and kind of media used or the number of persons or organizations making claims or bringing "suits".

15. "Officer" means a person holding any of the officer positions created by your charter, constitution, bylaws or any other similar governing document.

16. "Personal injury":

a. Means injury, other than "advertising injury", caused by one or more of the following offenses:

(1) False arrest, detention or imprisonment;

(2) Malicious prosecution;

(3) The wrongful eviction from, wrongful entry into, or invasion of the right of private occupancy of a room, dwelling or premises that a person occupies, provided that the wrongful eviction, wrongful entry or invasion of the right of private occupancy is committed by or on behalf of the owner, landlord or lessor of that room, dwelling or premises;

(4) Oral or written publication, including publication by electronic means, of material that slanders or libels a person or organization or disparages a person's or organization's goods, products or services, provided that the claim is made or the "suit" is brought by a person or organization that claims to have been slandered or libeled, or that claims to have had its goods, products or services disparaged; or

(5) Oral or written publication, including publication by electronic means, of material that:

(a) Appropriates a person's name, voice, photograph or likeness; or

(b) Unreasonably places a person in a false light.

b. Includes "bodily injury" caused by one or more of the offenses described in Paragraph a. above.

17. "Pollutants" mean any solid, liquid, gaseous or thermal irritant or contaminant, including smoke, vapor, soot, fumes, acids, alkalis, chemicals and waste. Waste includes materials to be recycled, reconditioned or reclaimed.

18. "Property damage" means:

a. Physical injury to tangible property, including all resulting loss of use of that property. All such loss of use will be deemed to occur at the time of the physical injury that caused it; or

b. Loss of use of tangible property that is not physically injured. All such loss of use will be deemed to occur at the time of the "occurrence" that caused it.

For the purposes of this insurance, "electronic data" is not tangible property.

19. "Self-insured retention" is the greater of:

a. The amount shown in the Declarations which the insured must first pay under Coverage B for damages because of all

"bodily injury", "property damage", "personal injury" or "advertising injury" arising out of any one "occurrence"; or

- b. The applicable limit of insurance of any "other insurance" that applies.

20. "Slogan":

- a. Means a phrase that others use for the purpose of attracting attention in their advertising.
- b. Does not include a phrase used as, or in, the name of:
 - (1) Any person or organization other than you; or
 - (2) Any business, or any of the premises, goods, products, services or work, of any person or organization other than you.

21. "Temporary worker" means a person who is furnished to you to substitute for a permanent "employee" on leave or to meet seasonal or short-term workload conditions.

22. "Title" means the name of a literary or artistic work.

23. "Unsolicited communication" means any communication, in any form, that the recipient of such communication did not specifically request to receive.

24. "Volunteer worker" means a person who is not your "employee", and who donates his or her work and acts at the direction of and within the scope of duties determined by you, and is not paid a fee, salary or other compensation by you or anyone else for their work performed by you.

25. "Your product":

- a. Means:
 - (1) Any goods or products, other than real property, manufactured, sold, handled, distributed or disposed of by:
 - (a) You;
 - (b) Others trading under your name; or
 - (c) A person or organization whose business or assets you have acquired; and
 - (2) Containers (other than vehicles), materials, parts or equipment furnished in connection with such goods or products.

- b. Includes:

(1) Warranties or representations made at any time with respect to the fitness, quality, durability, performance or use of "your product"; and

(2) The providing of or failure to provide warnings or instructions.

- c. Does not include vending machines or other property rented to or located for the use of others but not sold.

26. "Your work":

- a. Means:

(1) Work or operations performed by you or on your behalf; and

(2) Materials, parts or equipment furnished in connection with such work or operations.

- b. Includes:

(1) Warranties or representations made at any time with respect to the fitness, quality, durability, performance or use of "your work"; and

(2) The providing of or failure to provide warnings or instructions.

C. With respect to Coverage C:

1. "Crisis management advisor" means any public relations firm or crisis management firm approved by us that is hired by you to perform "crisis management services" in connection with a "crisis management event".

2. "Crisis management event" means an "event" or "occurrence" that your "executive officer" reasonably determines has resulted, or may result, in:

- a. Damages covered by this Coverage **A** or Coverage **B** that are in excess of the total applicable limits of the "underlying insurance" or "self-insured retention"; and
- b. Significant adverse regional or national media coverage.

3. "Crisis management service expenses" means amounts incurred by you, after a "crisis management event" first commences and before such event ends:

- a. For the reasonable and necessary:

(1) Fees and expenses of a "crisis management advisor" in the performance for you of "crisis management services" solely for a "crisis management event"; and

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- (2) Costs for printing, advertising, mailing of materials or travel by your directors, officers, employees or agents or a "crisis management advisor" solely for a "crisis management event"; and
- b. For the following expenses resulting from such "crisis management event", provided that such expenses have been approved by us:
 - (1) Medical expenses;
 - (2) Funeral expenses;
 - (3) Psychological counseling;
 - (4) Travel expenses;
 - (5) Temporary living expenses;
 - (6) Expenses to secure the scene of a "crisis management event"; or
 - (7) Any other expenses pre-approved by us.
- 4. "Crisis management services" means those services performed by a "crisis management advisor" in advising you or minimizing potential harm to you from a "crisis management event" by maintaining or restoring public confidence in you.
- 5. "Executive officer" means your:
 - a. Chief Executive Officer;
 - b. Chief Operating Officer;
 - c. Chief Financial Officer;
 - d. President;
 - e. General Counsel;
 - f. General partner (if you are a partnership); or
 - g. Sole proprietor (if you are a sole proprietorship);or any person acting in the same capacity as any individual listed above.

APPENDIX E-2

[THIS FORM IS INTENDED TO BE USED AS AN EXHIBIT OR ADDENDUM TO ANY SUBCONTRACT—IT SHOULD NOT BE USED BY ITSELF AS A SOLE CONTRACT DOCUMENT]

ADDENDUM AGREEMENT

This Addendum to the Agreement (“Addendum Agreement”) between **Hazen and Sawyer** (hereinafter referenced as “Contractor”) and **[Insert name of Downstream Subcontractor]** (hereinafter referenced as “Subcontractor”) is being entered into by the parties for any and all work done for, with, or on behalf of **the Erie County Water Authority** (hereinafter the “Authority”) under the Primary Contract No. HS-002, Project No. 202100152, **Corrosion Control Treatment Program, Pipe Loop Demonstration Study**, with **Hazen and Sawyer**, a copy of which may be obtained from **Hazen and Sawyer, 498 Seventh Avenue, 11th Floor, New York, New York 10018**.

In accordance with the terms and conditions of the Primary Contract No. HS-002 entered into with the Erie County Water Authority, an **ACORD25-Certificate of Liability Insurance** and **ACORD 855 NY-NY Construction Certificate of Liability Addendum** shall be provided evidencing the following insurance is currently maintained and in force with an insurance carrier approved to do business in the State of New York and maintaining an A.M. Best Rating of A- or better showing the Authority as Certificate Holder and additional insured. You should share these requirements with your current insurance agent, broker or insurance company.

Insurance Requirements

Prior to the commencement of any work designated in any contract or agreement to which this Addendum Agreement is attached, and until at least the final completion and acceptance of the work under the contract or agreement to which this Addendum Agreement is attached, the Subcontractor, at its sole expense, shall maintain the following minimum insurance on its own behalf, and furnish to the Authority certificates of insurance evidencing same and reflecting the effective date of such coverage as listed below. In no event shall the failure to provide this proof, prior to the commencement of the work, be deemed a waiver by the Authority of the Subcontractor’s obligation to maintain the insurance set forth herein. The insurance required shall not be canceled, not renewed or materially changed after the issuance of the certificate of insurance required by this Addendum Agreement.

A. Worker’s Compensation, Occupational Disease & Employer’s Liability Insurance:

Worker’s Compensation, Occupational Disease & Employer’s Liability Insurance in accordance with the applicable laws and statutes to cover any injuries or illness to employees and any other person eligible for compensation, and the liability of the employer thereof to any person or organization, as follows:

Worker’s Compensation & Occupational Disease: Statutory

Employer's Liability: \$1,000,000 bodily injury by accident or disease, except for work work/employers subject to the New York Worker's Compensation Law, in which this insurance shall be unlimited.

All such coverage shall: not contain any exclusion for injuries to sole proprietors, partners, members of limited liability companies or executive officers of any corporate entity; and provide for a "Waiver of Subrogation" endorsement in favor of the Owner/Contractor.

Any Contractor/Subcontractor with a principal place of business located outside of the State of New York must include New York under Part 3A of the policy.

B. Commercial General Liability:

Commercial general liability insurance as provided under the ISO Commercial General Liability Coverage Form, CG 00 01, or its equivalent, for claims of Bodily Injury, Property Damage and Personal and Advertising Injury, with limits of not less than:

Per Occurrence and Personal & Advertising Injury-	\$1,000,000
.00 General Aggregate & Products/Completed Operations Aggregate-	\$2,000,000
.00 Fire Damage Legal Liability/Damage to Rented Property-	\$100,000.0
0 Medical Payment (per-person)	\$5,000.00

The coverage must include the following:

1. Liability assumed by the insured in an "insured contract" as that term is defined in the ISO Commercial General Liability Coverage Form, CG 00 01.
2. Products/Completed Operations liability for a period of three years after acceptance of the work.
3. A per project aggregate of \$ 2,000,000.00.
4. A "Waiver of Subrogation" Endorsement in favor of the Owner/Contractor.
5. Exterior Insulation Finish System ("EFIS") coverage must be specifically included or provided separately where the Contractor/Subcontractor work under this Agreement or in any contract or agreement to which this Addendum is attached in any way involves EFIS.
6. **The coverage shall not include any provision, definition, exclusion or endorsement which in any way would serve to eliminate the insurance to any insured or additional insured for liability for bodily injury or**

property damage arising from work performed in New York State, for claims made under the New York Labor Law or for claims made by employees, subcontractors and employees of subcontractors hired to perform work by any insured or additional insured pursuant to work that is subject to this Addendum Agreement or in any contract or agreement to which this Addendum Agreement is attached.

7. The insurance is to be provided through insurers licensed and admitted to do business in the State of New York, with an A. M. Best financial rating of “A-“ or better, or otherwise specifically approved by the Owner.

The Authority, its officers, directors, partners, representatives, agents and employees must be named as Additional Insureds on a primary and non-contributory basis on both the ongoing and completed operations coverage required herein utilizing the ISO endorsements: CG 2010 04 13 or CG 2038 04 13 (or their equivalent) for ongoing operations; and CG 2037 04 13 (or its equivalent) for completed operations. The Additional Insured coverage shall contain no special limitation or limitation on the scope of the protection afforded to the Additional Insureds.

C. Commercial Automobile Liability Insurance:

Commercial Automobile Liability insurance covering the ownership, maintenance and use of all Owned, Non-Owned and Hired Vehicles by the Subcontractor with combined Bodily Injury and Property Damage limits including pollution transit coverage of \$1,000,000.00 per accident. The Authority, its officers, directors, partners, representatives, agents and employees must be named as Additional Insureds on a primary and non- contributory basis. A “Waiver of Subrogation” in favor of the Authority must be included.

D. Commercial Umbrella/Excess Liability Insurance:

Commercial Umbrella/Excess Liability Insurance with limits of \$1,000,000.00 per occurrence and a \$1,000,000.00 aggregate. The Authority, its officers, directors, partners, representatives, agents and employees must be named as Additional Insureds on a primary and non-contributory basis. A “Waiver of Subrogation” in favor of the Authority must be included.

E. Owned and/or Rented Tools or Equipment:

Property insurance covering all owned, rented, leased and/or borrowed tools or equipment of the Subcontractor or used by the Subcontractor in connection with the work that is subject to this Agreement or to any contract or agreement to which this Addendum is attached, in an amount equal to the replacement cost of such tools or equipment. A “Waiver of Subrogation” in favor of the Authority must be included.

JOB-SITE SAFETY:

The Authority makes no representation with respect to the physical conditions or safety of the Project Site. The Subcontractor shall, at its own expense, protect from injury its employees engaged in the performance of the Work. The prevention of accidents to all workers engaged in the Subcontractor's work and others affected by the Subcontractor's work is the responsibility of the Subcontractor. Subcontractor shall comply with all applicable federal, state, labor and local laws, regulations and codes concerning safety.

For purposes of this Addendum Agreement, "Project Site" means the entire construction site or the various separately identifiable part of the site described in any contract or agreement to which the Addendum Agreement is attached, and as described in the Primary Contract with the Authority.

WORKERS COMP IMMUNITY WAIVER:

In any and all claims against the Authority by any employee of the Subcontractor, anyone directly or indirectly employed by the Subcontractor (including any of the Subcontractor's subcontractors) or anyone for whose acts the Subcontractor may be liable, the indemnification obligation shall not be limited by any limitation on the amount or type of damages, compensation or benefits payable by or for the Subcontractor under workers' compensation acts, disability benefit acts or other employee benefit acts.

HOLD HARMLESS / INDEMNIFICATION:

To the fullest extent permitted by law, Subcontractor shall defend, indemnify and hold harmless Authority and its heirs, executors, administrators, successors, assigns, affiliates, employees and agents (hereinafter referenced as "Owner Indemnitees") from and against any and all actions, claims, liabilities, damages, losses and expenses, including but not limited to bodily injury, death and property damage, and reasonable attorney's fees and costs (including those incurred in the defense of any such underlying claim, as well as those incurred in the enforcement of this Addendum Agreement and/or in the prosecution of any claim for indemnification by Authority) arising out of or resulting from, or alleged to arise out of or result from, the Subcontractor's work (including the work by any of the Subcontractor's subcontractors), except to the extent caused by the negligence or willful misconduct of any Owner Indemnitees.

MISCELLANEOUS:

If any term or provision of this Addendum Agreement conflicts with or is otherwise inconsistent with any term or provision in the Primary Contract or any prior written agreement entered between the parties, the terms and provisions contained herein shall govern and control. This Addendum Agreement shall be binding upon and inure to the benefit of the parties hereto and their successors and permitted assigns. This Addendum Agreement, its terms and any claims arising therefrom, shall be interpreted and construed in accordance with the laws of the State of New York.

This Addendum Agreement may be executed via facsimile or email in any number of counterparts, all of which taken together shall constitute one and the same agreement. No waiver by a party of any breach by the other party of any of the provisions of this Agreement shall be deemed a waiver of any preceding or succeeding breach of the same or any other provisions hereof. No such waiver shall be effective unless in writing and then only to the extent expressly set forth in writing.

No modification or amendment of this Addendum Agreement shall be effective unless in writing and signed by both parties and approved in writing by the Authority. If any term or provision of this Addendum Agreement shall to any extent be invalid or unenforceable, the remainder of this Addendum Agreement shall not be affected thereby, and each provision of this Addendum Agreement shall be valid and enforceable to the fullest extent permitted by law.

HAZEN AND SAWYER

**[Insert name of Downstream
Subcontractor]**

[Name of Representative]

[Insert Name by Representative]

(Print name and title)

(Print name and title)

Date:

Date: