| TO: RFP Holders | Date: February 28, 2025 |
|-----------------------------|--|
| FROM: Rosaleen B. Nogle, PE | SUBJECT: Addendum No. 3 for Sidney-Lark and Edison-Martha Offline Storage Tanks RFP |

Attached Addendum No. 3 provides responses to all proposer questions received. Affirmation of receipt of this addendum shall be included in the cover letter of your proposal.

Buffalo Sewer and the Program Management Team (PMT) look forward to coordinating with the awarded Consultant(s) on knowledge transfer and onboarding to get familiar with the preliminary design as soon as possible, and to answer additional questions the Consultant may have.

Since the Queen City Clean Waters (QCCW) program implementation launched in the past 12 months, the Program Management Team has aggressively sought to accelerate delivery of the consent decree projects. We recognize aspects of the preliminary designs in this first year of program implementation may be less detailed than other preliminary project designs, and a significant amount of work remains to achieve the final design consent decree dates. The PMT's mission is to deliver the overall QCCW program. It is the expectation that the selected Consultant(s) will be a contributing partner with Buffalo Sewer and the PMT in that mission. We seek to foster a collaborative approach recognizing that teamwork will lead to the most successful delivery. Thus, we anticipate the proposing consultants will describe their plans to partner with Buffalo Sewer, the PMT, other selected designers (as needed), and other stakeholders to successfully deliver the Edison-Martha OLS and the Sidney-Lark OLS/RTC in the timeframe prescribed in the consent decree schedule.

Administrative:

| Q1 | Page 18-19 – Section 8 – Consultant to Provide affirmation of affirmative steps. Can you please clarify what is required as part of the RFP submission in addition to the Utilization Plan in Appendix S and T? |
|----|---|
| A1 | If the consultant cannot meet Buffalo Sewer's specified MWBE utilization goals, provide an explanation of good-faith efforts as to why. Appendix S and T <u>must</u> be included in the proposal. |
| Q2 | In regard to the BSA's RFP for "Sidney-Lark and Edison-Martha Offline Storage Tanks," Page 13 requests an EEO plan (Appendix Q) form for both the project team and firm. We would like to respectfully submit the following questions related to the EEO form requirement: For the project team EEO form, should |

| | we include only those staff we are including resumes for or any potential staff that could possibly work on the project throughout its duration? |
|----|--|
| A2 | EEO form (Appendix Q) shall be provided by the prime Consultant and subconsultants - both project team members and the firm. |
| Q3 | Also, do subconsultants need to provide an EEO plan form for both their project team members and firm, or is Appendix Q only applicable to the prime consultant? |
| A3 | EEO form (Appendix Q) shall be provided by the prime Consultant and subconsultants - both project team members and the firm. |

Program Management Team Role:

| Q4 | Addendum #1 dated February 14 - "Addition on RFP page 6, Section II.A, General Introduction: Include the statement: As part of this contract(s) scope, the CONSULTANT is expected to coordinate regularly with both THE AUTHORITY and its Capital Projects Program Management Team on items pertaining, but not limited, to: design quality control; monthly cost, schedule, and progress reporting." Please clarify what regular coordination means in terms of frequency of above items. |
|----|--|
| A4 | The Program Management Team will serve as an extension of Buffalo Sewer in design quality reviews, schedule/cost management, and stakeholder/agency communications. Regular coordination includes BSA/PMT attendance in monthly design progress meetings, and regulatory agency meetings. A formal process will be developed for the CONSULTANT to submit requests for project information to the PMT. |
| Q5 | Will consultant selected be managed by TYLIN and Arcadis throughout remainder of the project design stages? |
| A5 | The Program Management Team will serve as an extension of Buffalo Sewer in design quality reviews, schedule/cost management, and stakeholder/agency communications. |
| Q6 | Who is responsible for running project meetings the "consultant" or the "program manager"? |
| A6 | The Consultant is responsible for leading project meetings. |

Contractual:

| Q7 | Can you please clarify whether construction services are included? |
|----|--|
| A7 | Construction administration/inspection services are not included in this RFP. |
| Q8 | Design professional services during construction is not noted in the RFP. Appendix O, Design Service Requirements – Section 2.03 refers to design professional services during construction and Section II in the RFP. |
| A8 | Construction administration/inspection services are not included in this RFP. Only Design and Bid Phase services are included at this time. Appendix O, Section 2.03 does not apply. |
| Q9 | There are no CA/CO services in RFP, can future CO services be used for the DBE percentage goals for the project. |
| A9 | The consultant shall aim to meet Buffalo Sewer's MWBE utilization goals in the current version of the scope/contract, which is Design and Bid Phase services. |

General:

| Q10 | Based on review of the RFP and appendices it appears that Xylem developed preliminary control logic for the Sidney-Lark and Edison-Martha tank inlet and outlet gates. Can BSA confirm that Xylem will continue to provide control logic as part of the PMT during final design? |
|-----|---|
| A10 | Xylem is contracted directly with Buffalo Sewer and will continue to provide control logic. |
| Q11 | Does the final design consultant need to carry the costs associated with work by Xylem or will Xylem contract directly with BSA? |
| A11 | No. Xylem is contracted directly with Buffalo Sewer. |
| Q12 | Appendix N states that easement coordination will be started by the PMT. Will responsibility for easements / easement coordination remain with the PMT or will this be assumed by the final designer? |
| A12 | The Program Management Team will lead easement coordination, with support from the CONSULTANT on agency meetings and design-related input. |
| Q13 | Confirm the availability and format of the survey data for the two sites as discussed in Appendix M Edison OLS Prelim Design Drawings |
| A13 | Yes, survey data will be provided to awarded consultant. |
| Q14 | For the remote sites, does BSA want Radio or SCADA? If radio, has a radio path survey been completed? |

| A14 | modems to send signals to Ovation system which is centralized at Bird Island WWTF. |
|-----|---|
| Q15 | Does BSA have a preferred integrator, or will the integrator be selected during the bidding process? |
| A15 | Buffalo Sewer currently has a sole source contract with Emerson for integration services into its Ovation system. The Consultant shall coordinate with Emerson during the design phase for integration costs that will be set allowance amount as a construction bid line item. |
| Q16 | Grant/Loan Proposal Services – How many grant/loan proposal packages should be assumed for equal proposal pricing between proposers? |
| A16 | Assume up to three (3) funding packages. |
| Q17 | Preliminary Design Reports – Can the comments (and any responses) from EFC/DEC on the PERs be shared during bidding for our understanding? |
| A17 | This can be provided to the awarded consultant. |
| Q18 | Page 6 – the RFP indicates the project will involve the "Integration of advanced monitoring and control systems to optimize performance and reliability." Can BSA/PMT expand on what will be required to be provided by the selected consultant so we can price accordingly? |
| A18 | The Consultant is responsible for instrumentation & controls design. The Program Management Team will coordinate information related to control logic. |
| Q19 | Page 11, Section J Community Partnership Program states that it is expected that the Consultant discuss "commitment to a community partnership to ensure a meaningful Community Partnership Program is incorporated into this contract." The Section also mentions financial contributions, creating generational wealth and that The Authority is in the process of finalizing criteria for qualifying Beneficiaries (community partners)." Can the Authority provide more details on the partners and examples that the PMT or other Consultants are doing as part of this program? |
| A19 | Beneficiaries (Community Partners) shall include: A non-profit organization based in City of Buffalo that has established and maintains valid nonprofit status under Internal Revenue Code Section 501(c)(3), as amended, along with all applicable rules and regulations. Public schools and colleges in the Buffalo Sewer Authority's Service Area. The Community Partnership Program was inspired by Louisville MSD's Community Benefits Program and San Francisco PUC's Social Impact Program. Compliance documents will be made publicly available in Spring 2025. |

| Q20 | Referring to the geotechnical report, it doesn't provide a deep foundation system recommendation. Will that be provided, driven piles etc.? |
|-----|--|
| A20 | The Consultant is responsible for completion of the geotechnical design, including review and acceptance of the geotechnical investigations provided. |
| Q21 | Has the grant funding program been secured for these two sites yet? Appears initial outreach might have been started by program manager since the attachments for 30% could be used in funding proposal. |
| A21 | Funding has not been secured. The Program Management Team will lead the coordination of the grant funding process. The Consultant shall assume to prepare grant/loan proposal packages, attend regulatory meetings, provide design-related documentation, and coordination as needed. |
| Q22 | Will the 30% level CAD files including survey be provided to consultant? |
| A22 | Yes, CAD and other project files will be provided to the awarded consultants. |
| Q23 | The RFP calls for the Sidney-Lark OLS to include odor control (see RFP, C. Contract A, Sidney-Lark OLS Scope of Work, Alternative 1). The Sidney-Lark OLS drawings (Appendix G) show a 30-in. vent for tank ventilation with no odor control shown. The RFP calls for the Edison-Martha OLS to include odor control (see RFP, E. Contract B, Edison-Martha OLS Scope of Work). The Edison-Martha OLS drawings (Appendix M) do not depict tank ventilation or odor control. Please clarify if odor control is required for both the Sidney-Lark and Edison-Martha OLS tanks. |
| A23 | Odor control is part of the scope to be further evaluated during detailed design. |

Edison-Martha OLS:

| Q24 | If odor control is required where should the odor control equipment be located? For the Edison- Martha tank Appendix N states that space in the Field House may be able to be repurposed for tank needs. Will there be enough space available to house odor control equipment in addition to power, controls, and other equipment that may be needed to support tank operation? |
|-----|---|
| A24 | If required, the Field House can be utilized, and based on the equipment, could potentially be expanded upon. The primary objective of the Parks department is to leave one (1) building at the site. Utilization of the Field House must be coordinated by the Final Designer with the City of Buffalo Department of Public Works. |
| Q25 | Temporary construction easement and permanent easements are shown as 10 ft and 25 respectively, on sheet G-04 of the Edison-Martha OLS Design drawings. Should the temporary easement be 25 ft and the permanent easement be 10ft? |

Buffalo Sewer Authority • 716.851.4664 • buffalosewer.org 1038 City Hall 65 Niagara Square Buffalo, NY 14202

| A25 | The proposed permanent easement on the north side of the Charter School is 25-ft wide to allow permanent access to the proposed 48" diameter sewer that falls within the Charter School of Inquiry's property. The proposed permanent easement on the south side of the School is 25- ft wide to allow permanent access to the proposed 24" diameter sewer and MH#3 that fall within the Charter School of Inquiry's property. The 10-ft wide temporary easements on the north and south sides of the School are for construction use, only. |
|-----|---|
| Q26 | Is the field utility building for the Edison-Martha OLS an existing structure? If so, could BSA provide internal photos/dimensions of the field utility building? Is there a designated space allocated for the Edison-Martha OLS electrical equipment? |
| A26 | Yes, the Field House is an existing structure. Yes, There is a specific electrical room that has some current available capacity. This space could be used or expanded upon for the electrical equipment. Photos are included in this Addendum, as new Appendix X: Photos of Field House at Edison-Martha OLS Site |
| Q27 | Appendix N – Edison-Martha Design Considerations: Section 1.2 – DEC submitted responses to PER 12/6/24 – Can BSA/PMT provide the responses and any information that will affect the design? |
| A27 | PMT will provide PER responses to the Final Designer upon award for both Edison-Martha and Sidney-Lark. The primary focus of the NYSDEC comments was for Alternative Analysis and did not affect the OLS design. |
| Q28 | Section 2.1 – Will the consultant be responsible to incorporate demolition of park features? |
| A28 | Yes, the Consultant will be responsible for the portion of the park that the OLS tank will affect. |
| Q29 | Section 2.1 - Please provide the Waterline Design drawings so that the Consultant can define the limits of the accelerated portion of the OLS tank design infrastructure. |
| A29 | The Program Management Team (PMT) will provide waterline design information / drawings to the Consultant after award. Currently the PMT is coordinating with Buffalo Sewer and City Department of Public Works (DPW) on options for the waterline design that could reduce the impact of the Consultant's design. |
| Q30 | Item 3 on page i indicates that the field house may be repurposed for needs of the tank and that it may also need code improvements. |
| A30 | Yes, that is correct. |
| Q31 | Please confirm whether the field house will be used and also provide drawings so we can identify the scope/budget for any other improvements. |

| A31 | PMT will provide Field House drawings to the Final Designer upon award. Currently the PMT is coordinating with BSA and DWP on options for the Waterline Design in the Field House that could reduce the impact of design to be provided by the Final Designer. |
|-----|---|
| Q32 | Section 2.2 – Charter School coordination – please provide additional information on the status of easements and the coordination of the haul road for construction traffic. |
| A32 | Easement coordination is in progress. PMT is taking the lead, and the Consultant shall support these efforts. It is currently in the early assessment stage. |
| Q33 | How is the selected Consultant expected to support easement efforts other than providing design drawings? |
| A33 | The Consultant is expected to complete the OLS tank design. As a part of this scope, the site logistics plan for contractor bidding, haul road, construction staging, laydown areas, etc. should be reviewed and coordinated with the PMT on the easement coordination. The PMT is leading easement coordination and easements are currently |
| | undergoing assessment. The Consultant is expected to provide support on these efforts where necessary. |
| Q34 | What are the requirements for stormwater design and will this be coordinated/incorporated into the overall Roosevelt Park Design? |
| A34 | Civil site improvements for the Project include but are not limited to stormwater management, landscaping, erosion and sediment control, and water main replacement. Civil site improvements are the responsibility of the Consultant and should be coordinated with the Parks Department. |

Sidney-Lark OLS/RTC:

| Q35 | Sidney RTC scope suggests a "house" for electrical components but also later requires exterior electrical control panels. Please clarify if a house is required for |
|-----|---|
| A35 | An exterior weatherproof electrical panel will be required; no house. |
| Q36 | How will BSA/PMT decide whether Sidney-Lark solution will be 0.85MG tank or an RTC – is it dependent on DEC approval of RTC concept? |
| A36 | Yes - it is dependent on DEC Approval. |
| Q37 | Appendix G - Sidney-OLS-Prelim-Design-Drawing C4 shows a weir elevation 1.1 feet above the invert of the Humboldt Parkway sewer – what is dry weather flow/depth in this interceptor? |

BUFFALO

SEWER AUTHORITY

| A37 | See attached new Appendix W: Raw Flow Data for the Humboldt Parkway Sewer and Scajaquada Tunnel Interceptor (Excel spreadsheet) |
|-----|---|
| Q38 | Regarding Sidney Lark, has coordination between NYSTA regarding the Kensington Expressway Project been established for this project with BSA. Projects appear to have overlapping limits. |
| A38 | Buffalo Sewer will remain in contact with New York State as both projects continue to develop. |
| Q39 | How was the weir in Humbolt Parkway established? Appears dry weather flow will be entering OLS. Can the weir be raised for just wet weather? |
| A39 | Modeling suggests the weir cannot be raised to meet the prescribed level of control for overflow compliance. |
| Q40 | Regarding RTC Sidney Lark - What volumes are in the 84" of Humboldt parkway? How much inline storage is available in the 84" Humboldt sewer? |
| A40 | See attached new Appendix W: Raw Flow Data for the Humboldt Parkway Sewer and Scajaquada Tunnel Interceptor (Excel spreadsheet) |
| Q41 | Regarding RTC Sidney Lark – Can the basis of design documents similar to the OLS documents for this site area be provided to consultant for review? |
| A41 | See attached new Appendix V: Sidney-Lark RTC 30% Design Considerations and Assumptions |

- Clarification on RFP page 10, Section II.F, Design Services Schedule
 - The project design milestone schedule as described in the table on RFP page 10 shall remain applicable for Edison-Martha OLS.
 - The project design milestone schedule for Sidney-Lark is as follows:

| 60% Design Plans, Specifications, and OPCC | Friday, April 10, 2026 |
|--|---------------------------|
| 90% Design Plans, Specifications, and OPCC | Friday, November 28, 2026 |
| Final Construction Documents and OPCC | Friday, March 19, 2027 |



APPENDIX V: Sidney-Lark RTC 30% Design Considerations and Assumptions





Appendix V: Sidney RTC 30% Design Considerations and Assumptions

Pebruary 2025

BSA Capital Projects Program Management Team:

Greeley and Hansen Water Solutions

Arcadis | JM Davidson Engineering | Hallmark Planning & Development | e3 Communications | Watts Architecture & Engineering | CORE Environmental | Atlantic Testing Laboratories | Frandina Engineering and Land Surveying | KHEOPS Architecture, Engineering and Survey | International Institute of Buffalo | Jade Stone Engineering | NASCO Construction Services | JKMuir | People Inc.



TABLE OF CONTENTS

| TABLE OF CONTENTS | | | | | | |
|-------------------|-------|----------------|------|--|--|--|
| SECTION 1 | INTRO | DUCTION | П | | | |
| | 1.1 | Objective | , ii | | | |
| | 1.2 | Updates to PER | . ii | | | |

SECTION 1 INTRODUCTION

1.1 Objective

The Preliminary Engineering Report (PER) for the Sidney Offline Storage (OLS) Tank was prepared for the Buffalo Sewer Authority (BSA) by TYLin (Greeley and Hansen Water Solutions) on June 14, 2024. Following the 30% design phase, and coordination with New York State Department of Environmental Conservation (DEC), the project has been modified, eliminating OLS and replacing it with a Real Time Control (RTC) structure that connects the 84-inch sewer in Humboldt Parkway with the 90-inch Scajaquada Tunnel Interceptor. Therefore, the goal of this technical memorandum is to provide an update to the major project components documented in the PER.

1.2 Updates to PER

The primary update to the PER is the change in project scope from OLS to RTC. As the design of the OLS progressed it became clear that the primary benefit provided by the OLS tank was the creation of the interconnection between the 84-inch sewer in Humboldt Parkway and the 90-inch Scajaquada Tunnel Interceptor. Collection system modeling later confirmed that the OLS tank could be replaced with the RTC structure while maintaining the Combined Sewer Overflow (CSO) Long Term Control Plan (LTCP) specified frequency of CSO activations.

The major components of the RTC solution include

- RTC Structure at the intersection of Humboldt Parkway and Sidney Street. A cast-in-place concrete structure is envisioned to be constructed around the existing 84-inch sewer. The RTC Structure would include level monitoring equipment as well as two, 48-inch square automated gates. The gates would connect the existing SCADA network to provide remote control and allow for the balancing of wet weather flow between the 84-inch sewer in Humboldt Parkway and the 90-inch Scajaquada Tunnel Interceptor. Gates, actuators and level monitoring equipment will all be below grade in a structure within a roadway.
- An above grade panel will be provided outside of the roadway and allow BSA access to the controls and associated components of the RTC system (PLC, SCADA connection equipment, etc.).
- A 48-inch sewer will be constructed via open-cut installation from the RTC Structure approximately 770-feet to the intersection of Sidney and Lark Streets and then north on Lark Street. Terminating at a vortex drop structure to facilitate connection to the Scajaquada Tunnel Interceptor. The peak flow rate of 75 million gallons per day (MGD) is anticipated in this sewer based on collection system modeling.
- A precast circular manhole is anticipated to be used to house the vortex drop insert and facilitate the connection to the Scajaquada Tunnel Interceptor.

-



APPENDIX W: (Sidney-Lark) Raw Flow Data for the Humboldt Parkway Sewer and Scajaquada Tunnel Interceptor

See attached Excel spreadsheet



APPENDIX X: Photos of Field House at Edison-Martha OLS Site



North side of Field House North side of Field House



South side of Field House



Storage room on south side of Field House (potentially available)



Storage room on south side of Field House (potentially available)



Storage room on south side of Field House (potentially available)



Valve Room connected to storage room on south side of Field House (available)



Valve Room connected to storage room on south side of Field House (available)



Valve Room connected to storage room on south side of Field House (available)



Electrical Room connected to storage room on south side of Field House (available)



Electrical Room connected to storage room on south side of Field House (available)

