

BUFFALO

SEWER AUTHORITY

TO: RFP Holders

Date: February 14, 2025

FROM: Rosaleen B. Nogle, PE

SUBJECT: Addendum No. 1 for Sidney-Lark and Edison-Martha Offline Storage Tanks RFP

Affirmation of receipt of this addendum shall be included in the cover letter of your proposal.

- Prospective proposers are reminded to submit a request for a One Drive folder link to upload their digital proposal submissions. Please submit that request to Rosaleen Nogle, PE, BCEE, BC WRE, at rnogle@buffalosewer.org.
- Enclosed find attached presentation and attendance list from the Pre-Proposal Meeting held on Tuesday, February 11, 2025. A recording is available at: <https://buffalosewer.org/rfp-sidney-lark-and-edison-martha-offline-storage-tanks/>
- 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.*
- Clarification on RFP pages 6-7, Section II.B and II.C, Sidney-Lark:
 - Adjacent to the site, THE AUTHORITY has an ongoing Sewer Patrol Point (weir modification) project under design. Recent hydraulic model results indicate that a weir elevation could be raised by one to two feet in that SPP. The CONSULTANT shall be aware that weir elevation modification will need to be considered in the final design elevations of Sidney-Lark OLS/RTC structure, and shall be considered as part of the original scope outlined in this RFP.
- Clarification on RFP page 14, Section F, Cost Proposal
 - The cost proposal shall be submitted in a separate sealed envelope from the technical proposal.
- Include attached new Appendix U: SEQR Lead Agency Designation for Edison-Martha OLS

Responses to questions received:

Q1: Is this RFP a quals-based selection?

A1: Yes, the consultant award will be qualification-based. Review the evaluation criteria in the RFP.

BUFFALO

SEWER AUTHORITY



PRE-PROPOSAL MEETING

Informational Session for BSA Capital Projects Solicitations – Sidney-Lark and Edison-Martha Offline Storage Tanks

February 11th, 2025, at 1:00 PM ET

BSA Capital Projects Program Management Team:



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. | CWD Consulting | UDC Pro. Inc.



Disclaimer

- The purpose of this meeting is to exchange general information concerning these projects.
- All information contained in this presentation is for information only.
- If detailed technical questions are asked, they will be taken under advisement; no attempt will be made to answer them at this meeting.
- If discrepancies are discovered between the presentation and the Contract Documents, the information in the Contract Documents will govern.
- Any official response to questions raised at the meeting, if needed to be answered, will be in the form of a future addendum, which will be issued, as soon as practicable.
- Oral statements made at this meeting may not be relied upon and are not legally binding on Buffalo Sewer Authority unless an addendum is issued as a result thereof.

Opening Remarks



Online Meeting



Microphones Muted



Utilize the Chat Feature



Recorded Meeting



Closed Caption

- ✓ Roll call will be done at the beginning of the call.
- ✓ The presentation and attendee list will be shared with all attendees.
- ✓ Please use the chat feature to ask questions, and questions will be answered in the future addendum.

Presenters

OWNER

B U F F A L O
SEWER AUTHORITY

Rosaleen Nogle, PE, BCEE
Principal Sanitary Engineer

PROGRAM MANAGEMENT TEAM

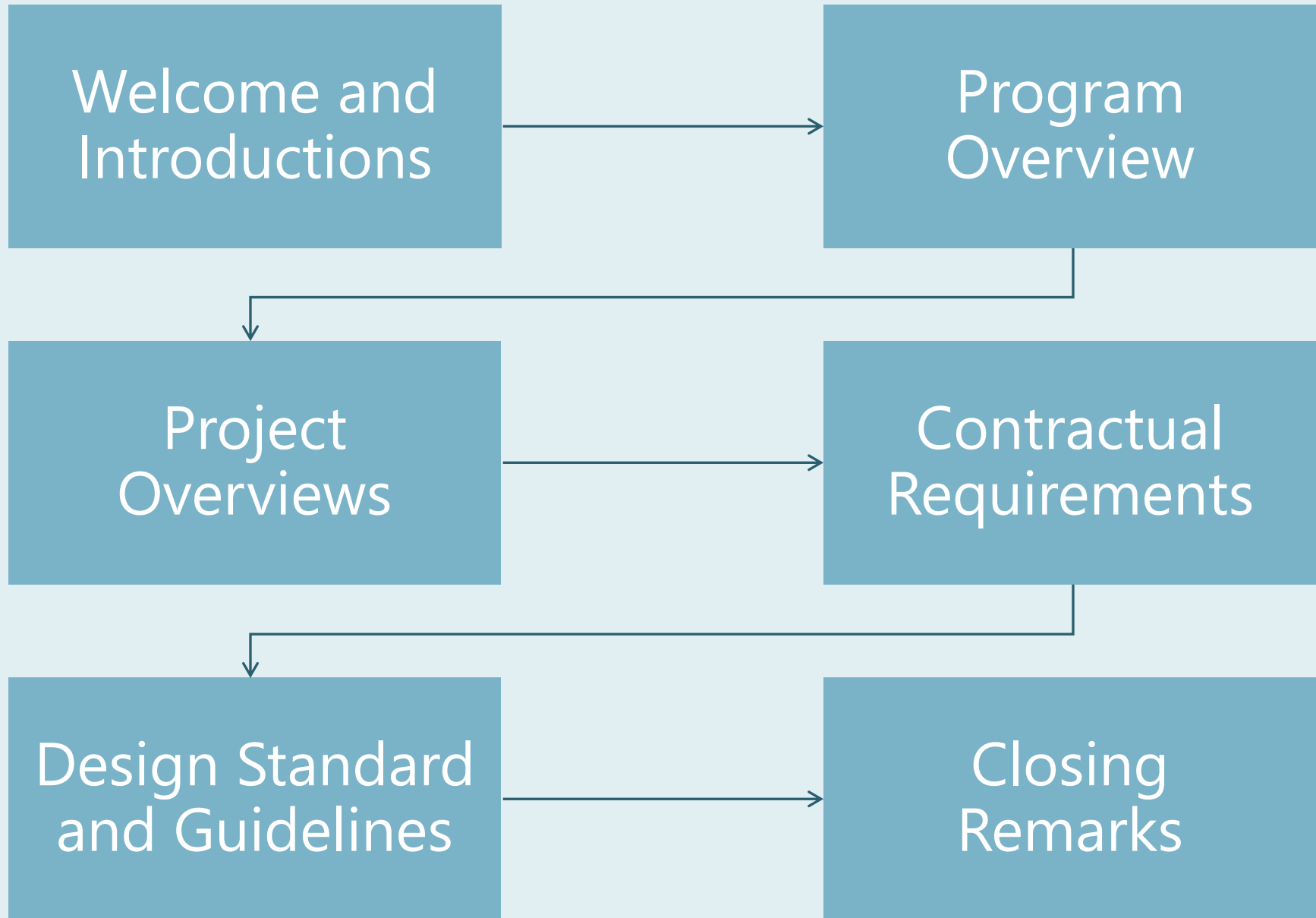
TYLin

- **Walt Walker, PE, ENV SP**
Program Director
- **Nick Freedlander**
Project Manager

 **ARCADIS**

- **Nadia Mugisha, PE, PMP, CDT**
Deputy Program Manager
- **Steve Bigelow, PE**
Project Manager

Agenda



Buffalo Sewer's *Queen City Clean Waters*



VISION

Clean waters and a resilient Buffalo.



MISSION

To safeguard public health and the environment while fostering strong community partnerships, creating meaningful workforce opportunities, and driving lasting economic impact for future generations in the City of Buffalo.

Queen City Clean Waters

PROGRAM OVERVIEW

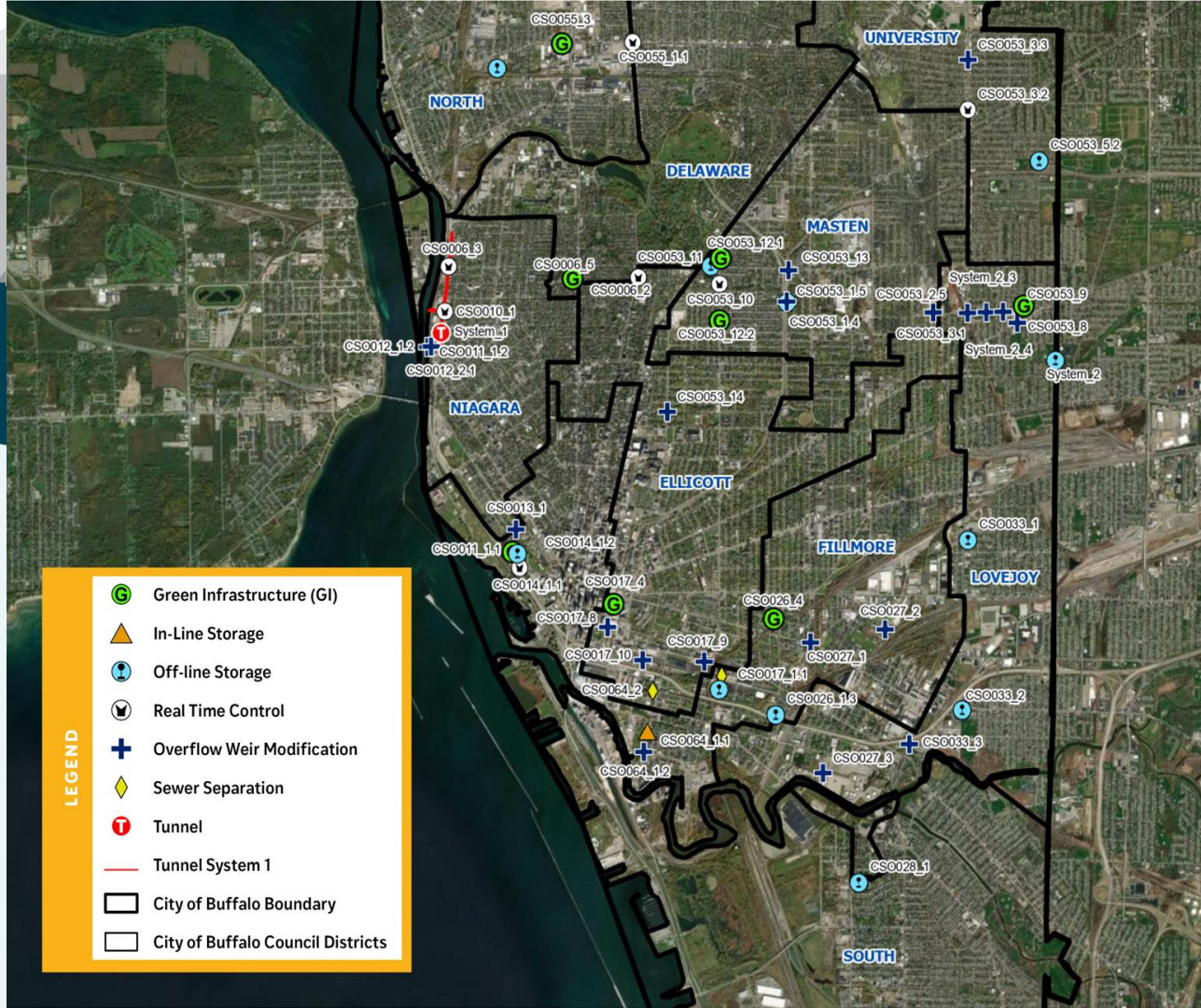


50+ SITES

\$1 BILLION

15 YEARS

buffalosewer.org/construction-projects/queen-city-clean-waters/



LEGEND

- Green Infrastructure (GI)
- In-Line Storage
- Off-line Storage
- Real Time Control
- Overflow Weir Modification
- Sewer Separation
- Tunnel
- Tunnel System 1
- City of Buffalo Boundary
- City of Buffalo Council Districts

Live QCCW Capital Projects

PROFESSIONAL SERVICES (DESIGN CONSULTANT RFP)

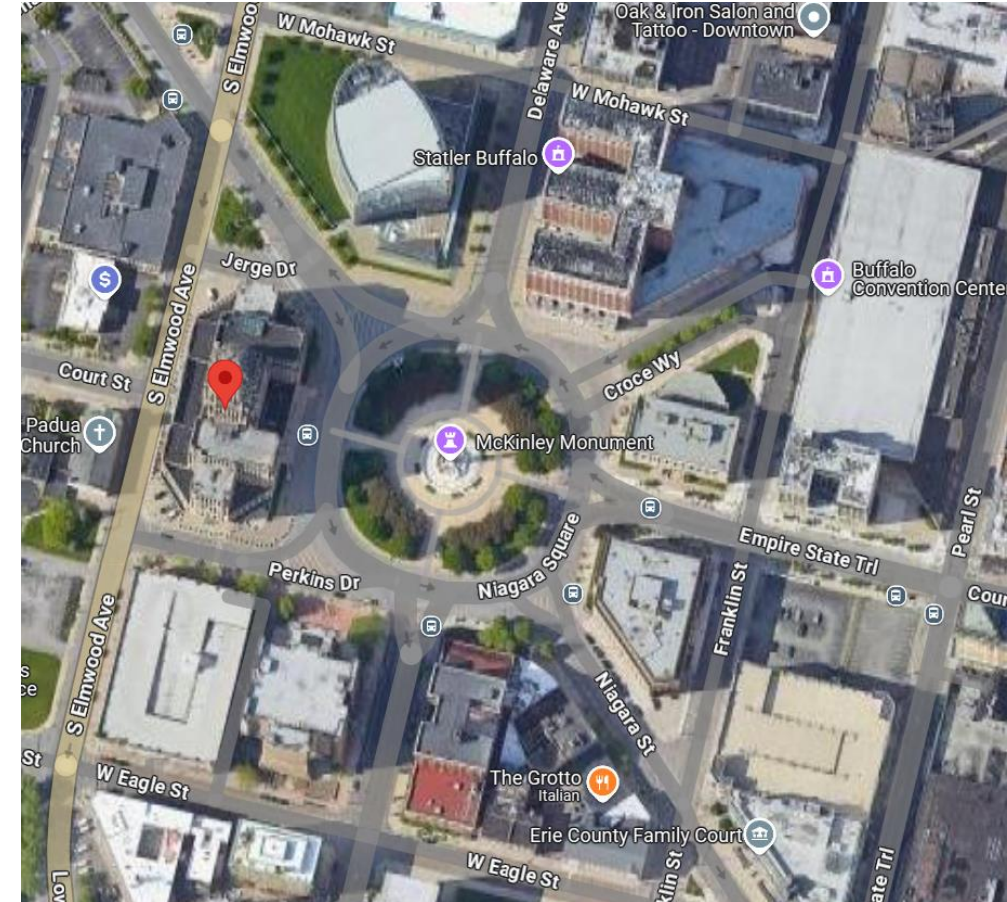
Procurement Schedule

2025 Due Dates:

- Digital and sealed submissions must be received no later than: **Tuesday, March 4th, 2025, before 10:00 AM ET**
- Interviews with Consultants: **Monday, March 24, 2025**
- Consultant Award: **Wednesday, May 28, 2025**
- Notice to Proceed: **Monday, July 28, 2025**

2026 Due Dates:

- Completion of Designs (no later than):
 - **Sidney-Lark OLS: March 19, 2027**
 - **Edison-Martha OLS: Friday, November 20, 2026**



QUESTIONS

Provide all questions in writing by **Tuesday, February 18, 2025, at 3:00 PM ET** to: rnogle@buffalosewer.org

Project Overviews

Project Overview: Sidney-Lark

Contract A: Sidney-Lark

Project Objective:

Enhance the city's wastewater management infrastructure.

Key Component:

Construction of a state-of-the-art storage tank or real-time control structure.

Goals:

- Improve water quality.
- Reduce overflow incidents.
- Ensure compliance with environmental regulations.



Scope of Work:

- Construction of the storage tank or real-time control structure.
- Installation of associated piping.
- Development of necessary support structures.



Advanced Integration:

- Incorporate advanced monitoring and control systems to optimize performance and reliability



Alternative 1: Sidney-Lark OLS

OFFLINE STORAGE TANK

Project Overview:

- Underground, offline concrete storage tank.
- Capacity: Approximately one million gallons of combined sewer flow.

Location:

- Northwest corner of Sidney Street and Lark Street.
- Properties owned by the City of Buffalo.

Design Considerations:

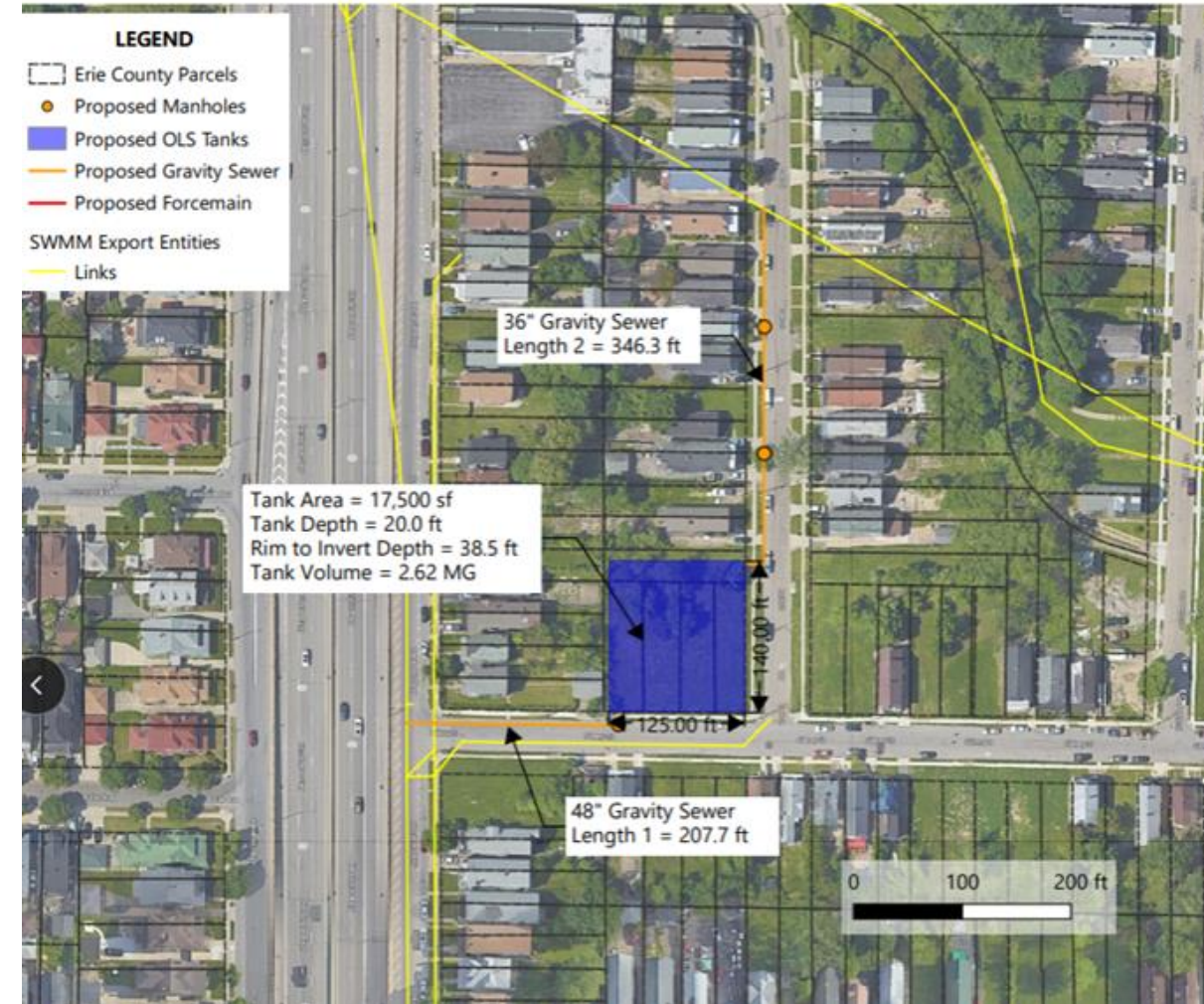
- New 48" gravity sewer for tank influent from Humboldt Parkway Sewer.
- New 36" gravity sewer for tank effluent running north on Lark Street.
- Connection to Scajaquada Tunnel Interceptor via drop shaft 400 feet south of Northland Avenue and Lark Street.
- Installation depth: 35 to 40 feet below grade.
- Installation method: Micro-tunneling due to depth and proximity to residences.

Tank Dimensions:

- Approximately 110 feet by 130 feet.

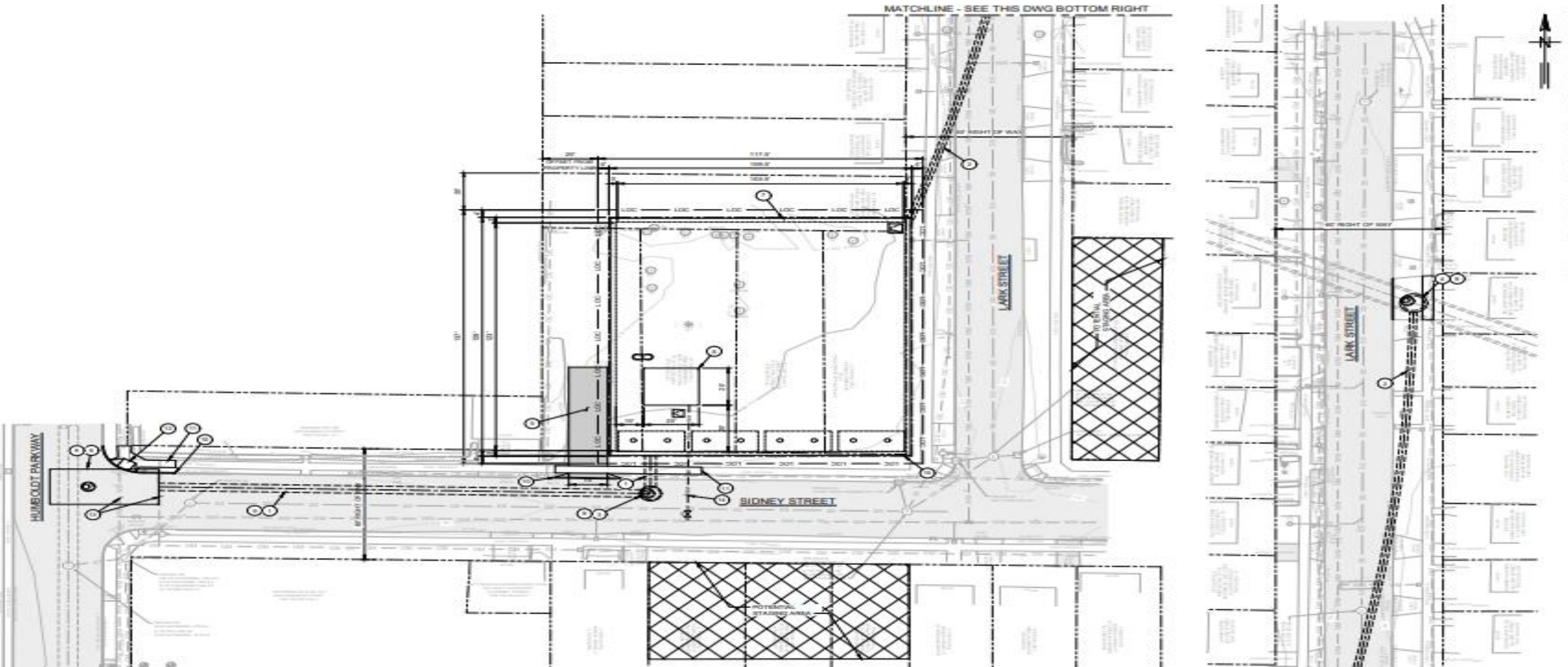
Operational Details:

- Stores combined sewer flow during storm events.
- Releases flow when capacity is available in the Scajaquada Tunnel Interceptor.
- Gravity dewatering into Scajaquada Tunnel Interceptor.



DRAWINGS

ALTERNATIVE 1 – OFFLINE STORAGE (OLS) TANK STRUCTURE



Design Considerations

APPENDIX H: SIDNEY-LARK OLS 30% DESIGN CONSIDERATIONS & ASSUMPTIONS

- **Objective:** Update the Preliminary Engineering Report (PER) for the Sidney Offline Storage (OLS) Tank with key design decisions.
- **Tank Volume:** Revised from 3.26MG to 0.85MG based on hydraulic modeling and optimization.
- **Peak Flow Rates:** 48-inch conduit to OLS with 75 MGD peak flow; 36-inch conduit from OLS with 42 MGD capacity.
- **Geotechnical Considerations:** Tank dimensions optimized to 123 feet N/S, 103.5 feet E/W, and 32 feet depth due to difficult drilling conditions.
- **Tipping Bucket Design:** Four tipping buckets, each with 1460 gallons capacity, designed for effective flushing.
- **Ventilation:** 30-inch vent required to handle 6,950 CFM air displacement during peak wet weather flow.
- **Value Engineering:** Additional evaluation needed for micro tunneling or open cut construction of the 36-inch sewer.

Alternative 2: Sidney - Lark RTC

REAL-TIME CONTROL

Project Overview:

- Underground control structure interconnecting Humboldt Parkway Sewer and Scajaquada Tunnel Interceptor.

Location:

- Located at the northwest corner of Sidney Street and Lark Street.

Design Considerations:

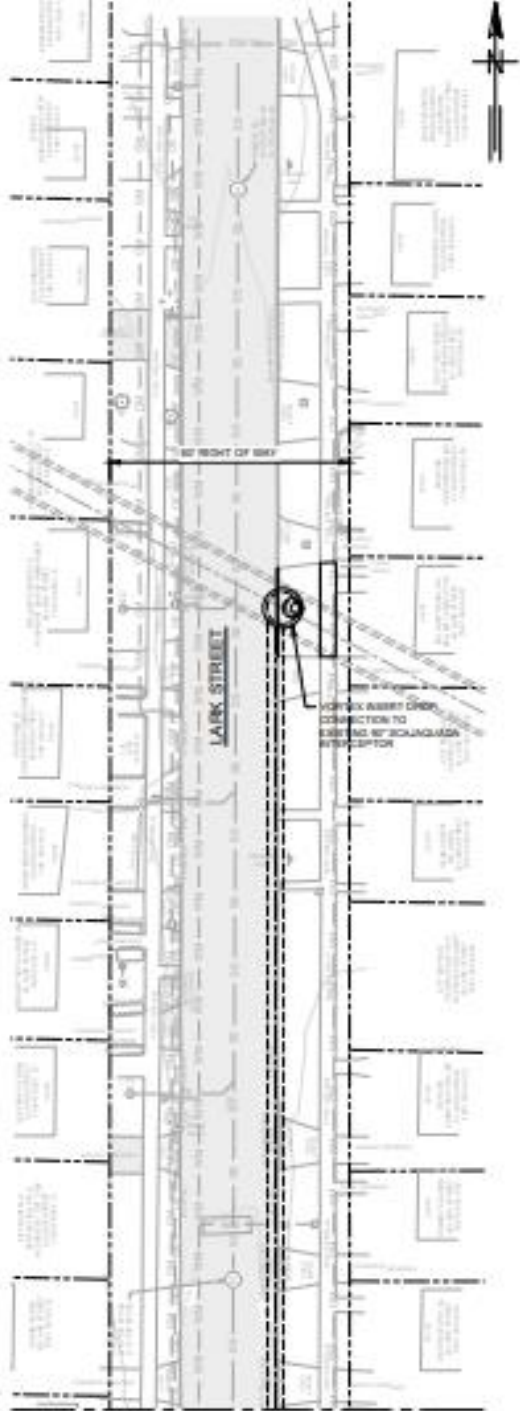
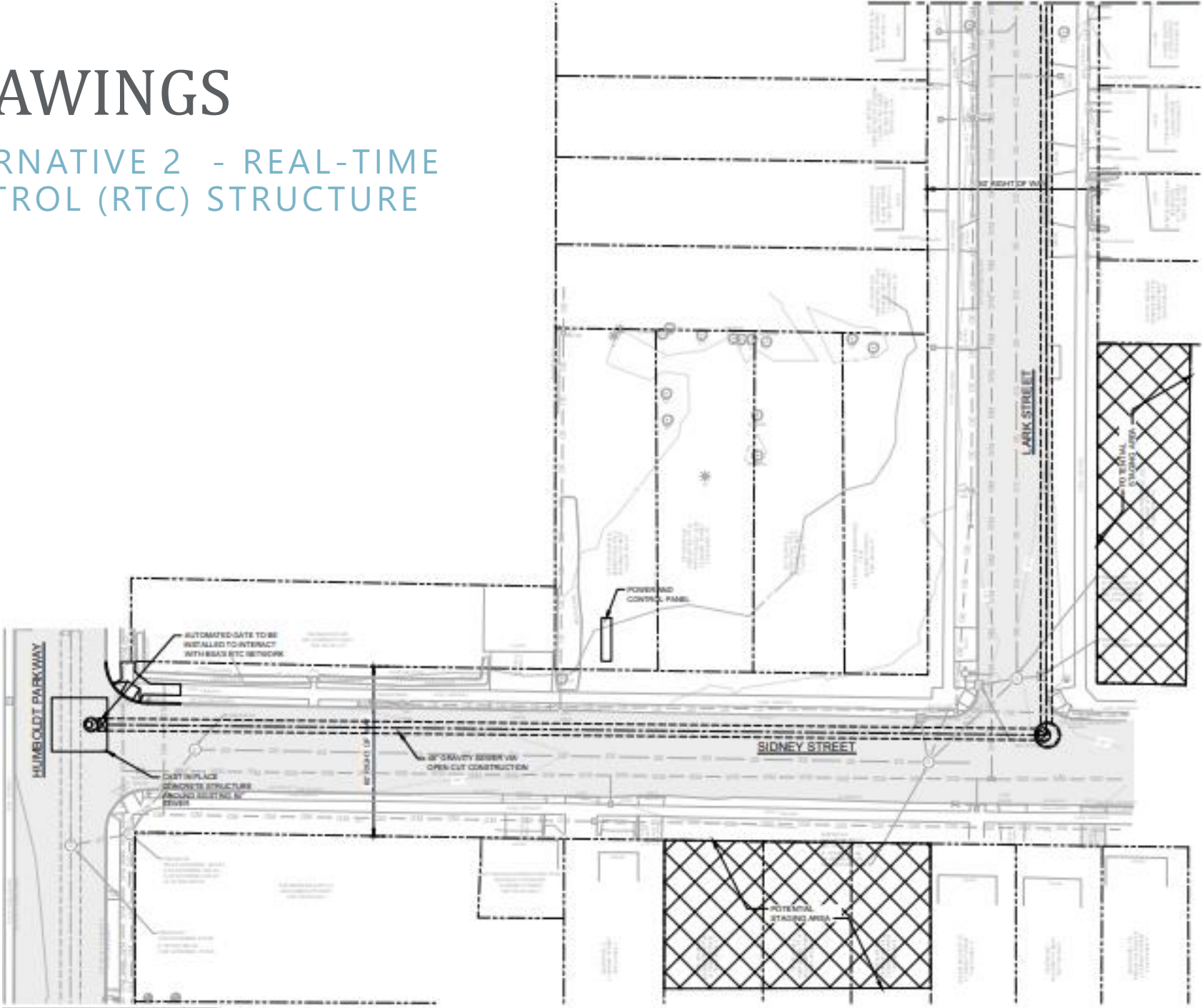
- New 48" gravity sewer running east from Humboldt Parkway Sewer to RTC.
- Connection to Scajaquada Tunnel Interceptor via drop shaft 400 feet south of Northland Avenue and Lark Street.
- Installation depth: 15 to 20 feet below grade.
- Installation method: Open cut.

Operational Features:

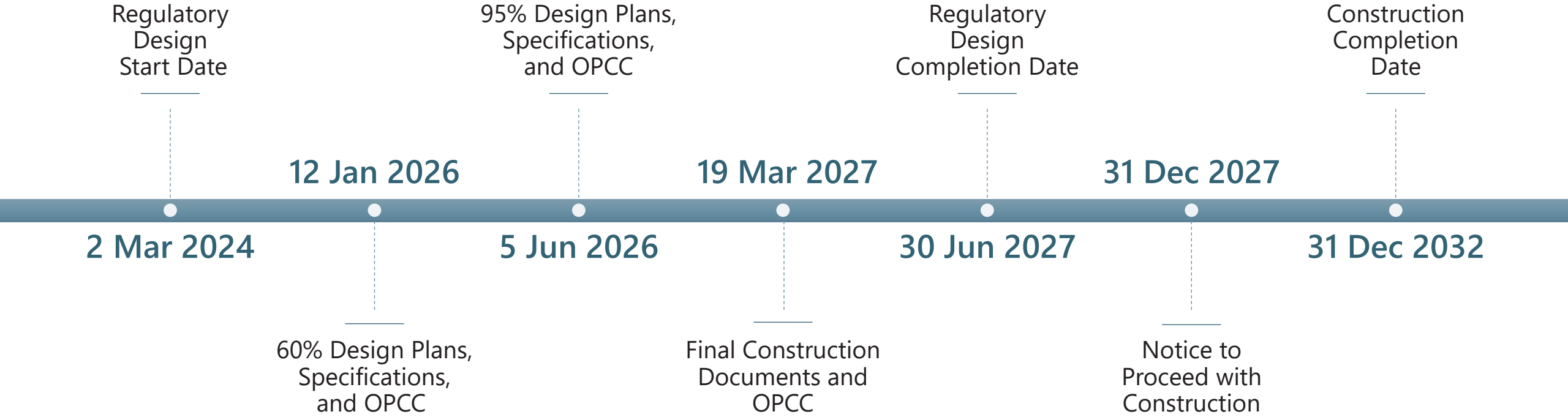
- Modulating gate connected to SCADA.
- Balances flow between Humboldt Parkway Sewer and Scajaquada Tunnel Interceptor during rain events.

DRAWINGS

ALTERNATIVE 2 - REAL-TIME CONTROL (RTC) STRUCTURE



Sidney-Lark OLS/RTC Project Schedule



Project Overview: Edison-Martha

Contract B: Edison-Martha

Project Objective:

Enhance the city's wastewater management infrastructure.

Key Component:

Construction of a state-of-the-art storage tank.

Goals:

- Improve water quality.
- Reduce overflow incidents.
- Ensure compliance with environmental regulations.



Scope of Work:

- Construction of the storage tank.
- Installation of associated piping.
- Development of necessary support structures.



Advanced Integration:

- Incorporate advanced monitoring and control systems to optimize performance and reliability.



Edison-Martha OLS

OFFLINE STORAGE TANK

Project Overview:

- Underground storage tank with 2.61 million gallons capacity.
- Reduces CSO discharges during wet weather.

Location:

- Corner of Edison Avenue and Martha Avenue.
- Near Charter of Inquiry School and Roosevelt Playground.

Design Considerations:

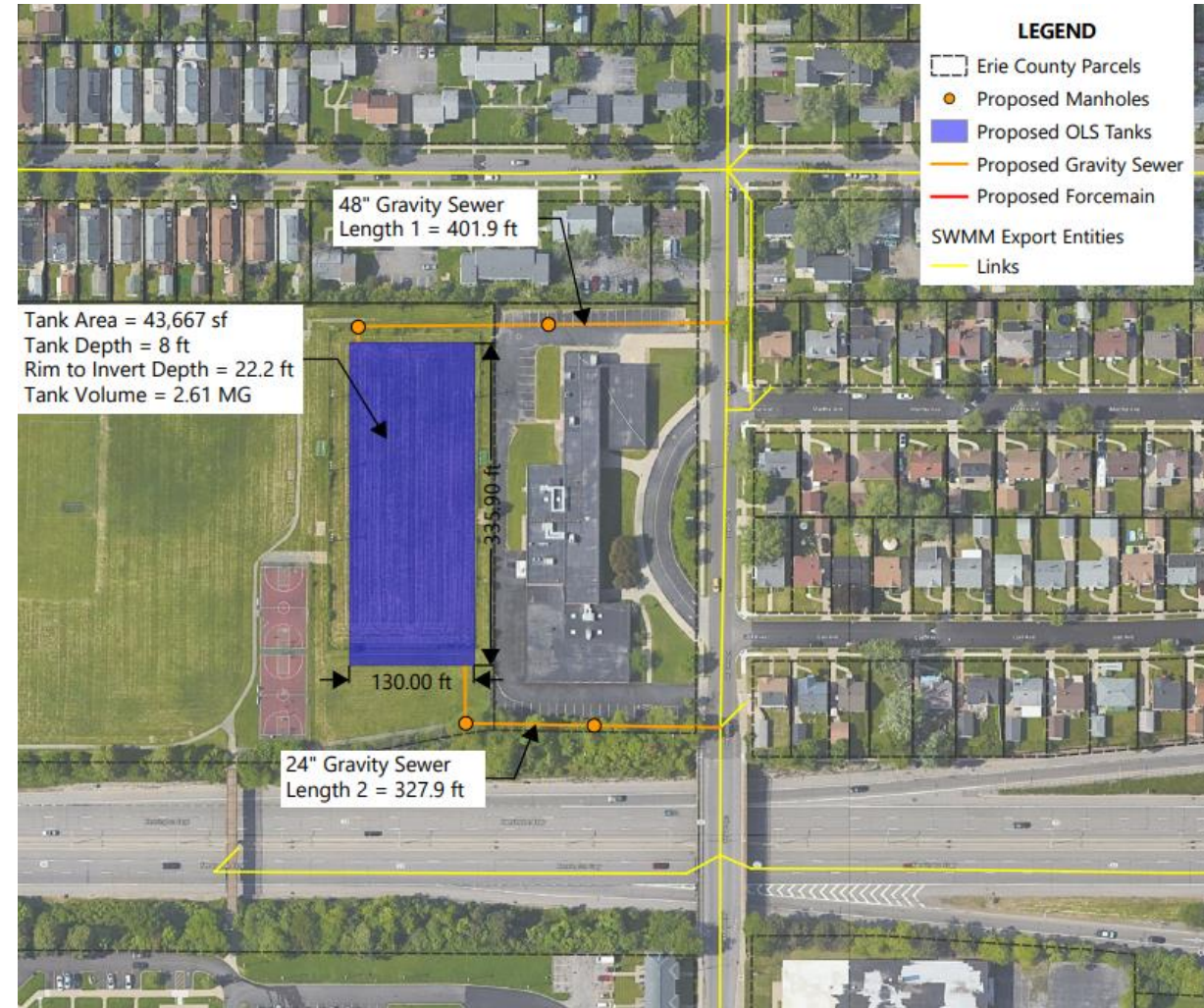
- Minimize impact on nearby facilities.
- Below-grade with minimized access points.
- Coordinate with BSA, City Parks, and Charter School.

Tank Dimensions:

- 130 feet by 336 feet.
- Includes diversion structure and inlet/outlet sewers.

Operational Details:

- Stores and releases combined sewer flow based on capacity.
- Gravity dewatering into Scajaquada Tunnel Interceptor.



Overview of Edison-Martha Offline Storage Tank

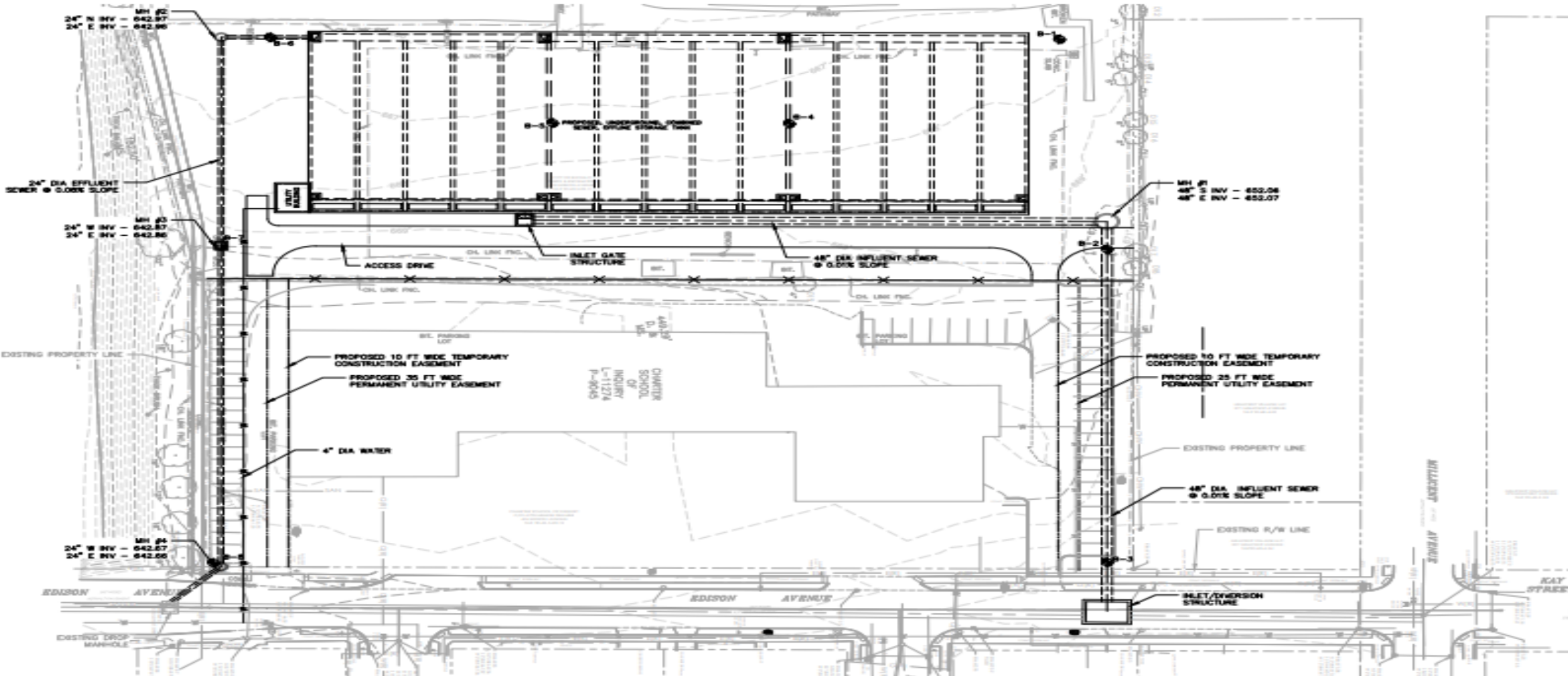
PROJECT OVERVIEW: CONTRACT B



PROPOSED PARK IMPROVEMENT PLAN

DRAWINGS

EDISON-MARTHA OLS



Design Considerations

APPENDIX N: EDISON-MARTHA OLS DESIGN CONSIDERATIONS & ASSUMPTIONS

- **Objective:** Provide a resource for the CONSULTANT for the Edison Martha OLS Tank Final Design.
- **Project Background:** Preliminary Engineering Report (PER) completed; responses from DEC received; PMT working on responses.
- **Parks Department Coordination:** Coordination with DPW for Roosevelt Park upgrades; BSA responsible for demolition and restoration.
- **Charter School Coordination:** Easements and haul road coordination required for influent and effluent lines crossing school parking lots.
- **Storage Tank:** Nominal size of 130-feet by 336-feet; located on the eastern side of the park.
- **Screening:** Deemed unnecessary by BSA due to limited floatables and increased maintenance.
- **Tipping Buckets:** Utilized for cleaning; developed in collaboration with Grande Water.
- **Geotechnical Report:** Higher and stronger rock elevation than anticipated; increased dewatering demands.
- **Control Strategy:** Small rain events won't activate OLS; goal to limit storage time to 48 hours.
- **Continued Coordination:** Required with DPW, Charter School, Xylem, and Atlantic Testing Laboratories for final design.

Edison-Martha OLS Project Schedule



Contractual Requirements



Buffalo Sewer wants to ensure construction and professional services contracts deliver a positive economic, environmental, and social impacts for residents.

Companies working with Buffalo Sewer are encouraged to support Buffalo nonprofits through volunteerism or financial contributions to defined community partners. The program will be included in contract terms and compliance monitoring to ensure effective participation.

COMMUNITY PARTNERSHIP PROGRAM **New in 2025**



M/WBE and DBE Contracting

Goals:

- 30% M/WBE participation
 - 5% MBE
 - 5% WBE

Affirmative Steps:

- Must include M/WBE and DBE Utilization Plans in the proposal submission.
- Solicit M/WBE firms as potential sources.
- Include M/WBE firms in solicitations.
- Set delivery schedules to encourage M/WBE participation.
- SDVOB participation is encouraged

Consultant Responsibilities:

- Affirm the steps.
- Submit MWBE and DBE Utilization Plan. (Appendix S & T)





Design Considerations

Minimize Equipment in Tanks

- Focus on reducing the amount of equipment inside the tanks.

Flow Management & Debris Accumulation

- Considerations: cunette, tapered, rounded corners to manage flow and reduce debris buildup.

Air Management & Odor Control

- Pressurization, safety for confined spaces, isolation.
- Odor control measures to ensure a safe and pleasant environment.

Architectural Integration

- Above-ground features to blend with the park.
- Examples: curvy paths vs. straight paths, public art commissions.

Constraints Imposed by Buffalo Park

- Clearly state and adhere to the constraints set by Buffalo Park.

Closing Remarks

Contact Information

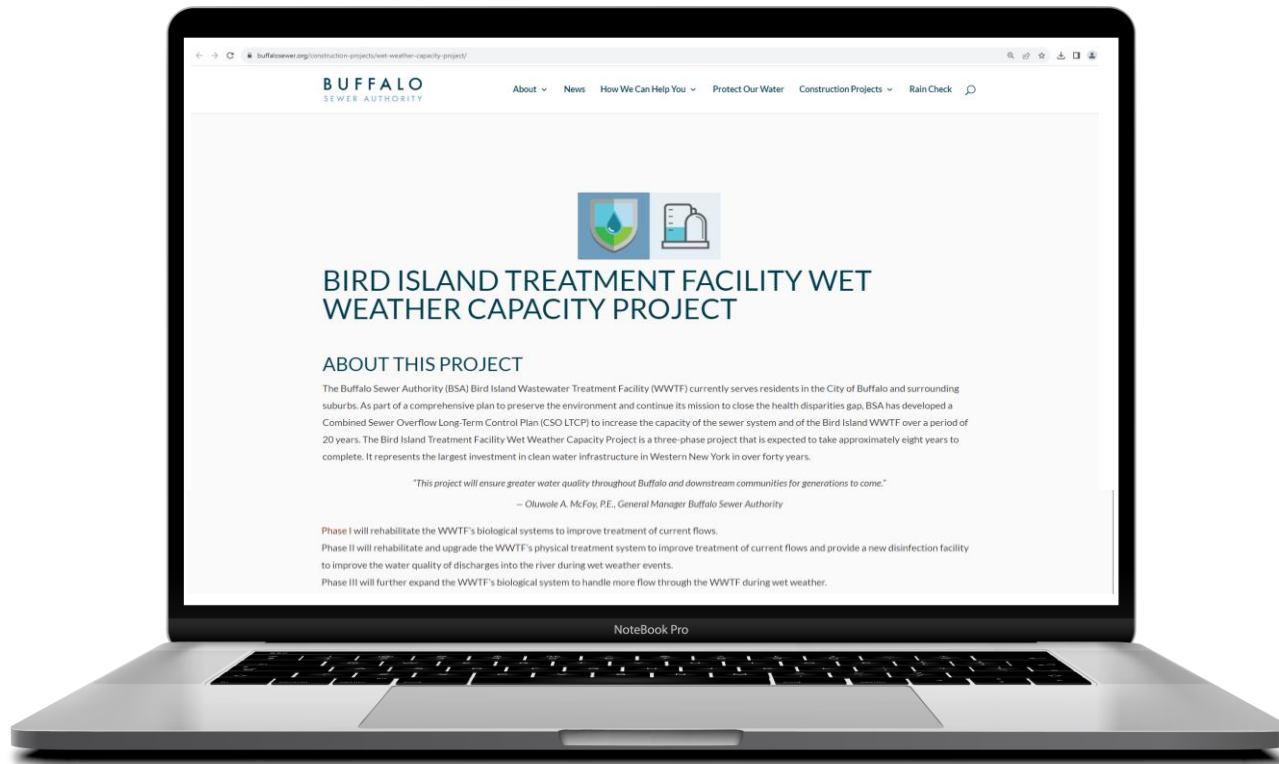
Rosaleen Nogle, PE, BCEE, BC WRE

Principal Sanitary Engineer, Buffalo Sewer Authority

rnogle@buffalosewer.org



Buffalo Sewer Authority Website



buffalosewer.org

Your BEST source of information!

- ✓ Consultant, Contractor, and Supplier Opportunities
- ✓ Construction Updates
- ✓ FAQs
- ✓ Board Meeting Minutes
- ✓ Public Participation Plans

Thank you!

GET IN TOUCH:



@BuffaloSewer



BuffaloSewer.org



@BuffaloSewer



BuffaloSewerAuthority

RFP-Pre-Proposal Meeting: Sidney-Lark and Edison-Martha OLS Projects

Date: 02/11/2025

Attendee	Organization	Email
Rosaleen Nogle (presenter)	Buffalo Sewer Authority	rnogle@buffalosewer.org
Walt Walker (presenter)	TYLin	walt.walker@tylin.com
Nick Freedlander (presenter)	TYLin	nicholas.freedlander@tylin.com
Aria Harris	TYLin	aria.harris@tylin.com
Tatiana Proctor	TYLin	tatiana.proctor@tylin.com
Tim Healy	TYLin	tim.healy@tylin.com
Nadia Mugisha (presenter)	Arcadis	Nadia.Mugisha@arcadis.com
Steve Bigelow (presenter)	Arcadis	Steve.Bigelow@arcadis.com
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Kate Mignone	AECOM	Kate.Mignone@aecom.com
Michelle Perkins	AECOM	michelle.palmer@aecom.com
Beth Tigue	AECOM	Beth.Tigue@aecom.com
Mark Lang	Black & Veatch	LangM@bv.com
Christopher Ranck	Black & Veatch	RanckCJ@bv.com
Steven Vinci	Brierley Associates	svinci@brierleyassociates.com
Mike Miller	CHA	MMiller@chasolutions.com
Paul McGarvey	GHD	Paul.McGarvey@ghd.com
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Rebecca Carmine-Shaw	Hazen and Sawyer	RCarmineShaw@hazenandsawyer.com
George Kansas	Hazen and Sawyer	George.Kansas@hdrinc.com
Heather Landis	Hazen and Sawyer	HLandis@hazenandsawyer.com
Katie Hoek	Hazen and Sawyer	KHoek@hazenandsawyer.com
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Angela Hintz	JM Davidson Engineering	ahintz@jmdavidsoneng.com
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Michael Terrana	JM Davidson Engineering	mterrana@jmdavidsoneng.com
Judy Beckwith	Lu Engineers	jbeckwith@luengineers.com
Andrew Klettke	McMahon & Mann	aklettke@mmce.net
Michelle McEntire	Ramboll	michelle.mcentire@ramboll.com
Christopher Chapman	Wendel	cchapman@wendelcompanies.com

APPENDIX U: SEQR Lead Agency Designation for Edison-Martha OLS



SENT VIA EMAIL

February 12, 2025

Rosaleen Nogle, P.E.
Buffalo Sewer Authority
5 Niagara Square #1038
Buffalo, New York 14202

Dear Rosaleen Nogle:

SEQR Lead Agency Designation
CSO053_5.2 Edison Martha OLS
City of Buffalo, Erie County

This is to acknowledge receipt of your notice, dated January 29, 2025, which requested State Environmental Quality Review Act (SEQR) Lead Agency status for the above-noted project. The New York State Department of Environmental Conservation (NYSDEC) concurs that the Buffalo Sewer Authority should act as SEQR Lead Agency, since the environmental impacts of the proposal are primarily of local significance. However, please be aware of the following:

1. Since project activities will involve land disturbance of 1 acre or more, the project sponsor, owner or operator is required to obtain a State Pollutant Discharge Elimination System General Permit for Stormwater Discharges from Construction Activity (GP-0-20-001). This General Permit requires the project sponsor, owner or operator to control stormwater runoff according to a Stormwater Pollution Prevention Plan (SWPPP), which is to be prepared prior to filing a Notice of Intent (NOI) and prior to commencement of the project. More information on General Permit GP-0-20-001, as well as information on how to electronically submit the eNOI form, is available on the NYSDEC's website at www.dec.ny.gov/chemical/43133.html. Information on permitting requirements and preparation of a necessary Stormwater Pollution Prevention Plan (SWPPP) is available on the NYSDEC's website at www.dec.ny.gov/chemical/8468.html.

The City of Buffalo is designated as an MS4 community. The project sponsor, owner or operator of a construction activity that is subject to the requirements of regulated, traditional land use control MS4 shall have their SWPPP reviewed and accepted by the MS4 community. The "MS4 SWPPP Acceptance" form must be signed by the principal executive officer or ranking elected official from the MS4 community, or by a duly authorized representative of that person, and submitted along with the eNOI to receive NYSDEC approval before construction commences.

2. Portions of New York State regulated freshwater wetlands and their adjacent areas may be located in the project area. Although some limited activities are exempt from permitting, most activities that involve disturbance within a wetland or its 100-foot adjacent area require an Environmental Conservation Law (ECL) Article 24, Freshwater Wetlands permit from the DEC. Information on regulated activities within freshwater wetlands and adjacent areas is available on DEC's website (see [Regulated Activities](#)), which contains examples of regulated activities and those exempt from wetland permits.

DEC's amended Article 24, Freshwater Wetlands Jurisdiction and Classification regulations (6 NYCRR Part 664) went into effect on January 1, 2025. To determine whether the property contains regulated freshwater wetlands the project sponsor must submit a request for a Parcel Jurisdictional Determination (Parcel JD). A Parcel JD is a determination made by DEC whether a property contains regulated freshwater wetlands or adjacent areas within the parcel boundary. Please use the attached link to request a Parcel JD for the project site: <https://dec.ny.gov/nature/waterbodies/wetlands/freshwater-wetlands-program/freshwater-wetland-jurisdictional-determination>. If you have any problems submitting the Parcel JD request, please email: fwwjurisdiction@dec.ny.gov

If the property contains regulated freshwater wetlands or adjacent areas, further delineation of the wetland boundaries and a Project Jurisdictional Determination (Project JD) may be required. A Project JD is a determination made by the regional DEC office about whether a proposed activity within a parcel containing regulated freshwater wetlands or adjacent areas requires an Article 24 Freshwater Wetlands permit. Project JD requests should be sent to the regional Bureau of Ecosystem Health (BEH) in the region where the project is located. Regional BEH email addresses and a link to a map of regional offices are also provided on the DEC website using the jurisdictional determination link provided above.

If regulated freshwater wetlands or adjacent areas are present, all efforts must be made to first avoid disturbing the wetland and adjacent area. If disturbance to the wetland and/or adjacent area cannot be avoided, the project sponsor must submit a Freshwater Wetland permit application and obtain a permit to conduct a regulated activity. In accordance with DEC's Freshwater Wetlands Permit Requirements Regulations (6 NYCRR Part 663), the applicant would need to justify the disturbance, discuss alternatives and minimize impacts as part of the Freshwater Wetlands permit application. More information on application procedures and permit issuance standards is available on DEC's website at: <https://dec.ny.gov/regulatory/permits-licenses/waterways-coastlines-wetlands/freshwater-wetlands#Determine>.

Rosaleen Nogle
February 12, 2025
Page 3

If you have any questions, please feel free to contact Lisa Connors at 716/851-7165 or Lisa.Connors@dec.ny.gov.

Sincerely,

A handwritten signature in cursive script that reads "Lisa M. Czechowicz".

Lisa M. Czechowicz
Regional Permit Administrator

LDC

Ecc: Damianos Skaros, P.E., RWE, NYSDEC R9
Rob Locey, P.E., DOW, NYSDEC R9
Denine Jackson, E.I.T., NYSDEC R9