



# Capital Improvement Project Request Form

*For Budgets beginning Fiscal Year 2023 through Fiscal Year 2027*

Project Requested By: Caldwell Sewer District

Project Name/Designation: Comprehensive Inflow and Infiltration Repairs

Priority (Town Board Use Only): Rank No. \_\_\_\_\_ out of 4

*Priority Ranks: (1-Immediate [2023], 2-Short Term [2024-2025], 3-Mid Term [2026-2027], 4-Long Term [next CIP])*

## **1. Project Type**

- A. Previously requested or approved project and the project scope/funding source/amount are finalized
- B. Previously requested project that has not yet been funded
- C. New Project that was not previously requested or identified

## **2. Project Description**

- A. Project Location (cross streets or address):** Caldwell Sewer District, various locations
- B. Approximate Length/Extent:** Project timeframe – 1-2 years; Proposed Extent/Size – 2,500 LF +/-
- C. Briefly describe the primary reason for the request as well as the project's physical attributes if known (such as objective/goal, type/size, design size of storm, floodplain involved, etc.) *Attach any exhibits with the proposed project location, details and any additional relevant information.***

A Notice of Violation (NOV) dated December 29, 2016, from the New York State Department of Environmental Conservation (DEC) was issued because of two sanitary sewer overflows witnessed by DEC staff. The NOV required the following evaluations of the Caldwell Sewer District (CSD) sewer collection system:

- Perform an evaluation of the sewer collection system including camera investigation, inspection of each manhole, system condition (roots, pipe condition, major infiltration, or potential exfiltration or connection to the storm system).
- Perform an evaluation of equipment within the collection system including pump stations, generators, and valves within the system. The evaluation should indicate the age of the equipment and its condition.
- Submit to the Department for approval, a report completed by a licensed professional engineer that details the evaluation of the collection system. The report shall also identify any needed repairs and provide a schedule for completing them. In response to the NOV, starting in 2017, LaBella Associates (formerly Chazen Companies), in cooperation with the Town and Village of Lake George, performed an evaluation of the CSD infrastructure.



## Capital Improvement Project Request Form

*For Budgets beginning Fiscal Year 2023 through Fiscal Year 2027*

In all, approximately 40,000 linear feet of gravity sewer main were investigated by closed circuit television (CCTV), 196 sanitary manholes (SMH's) were visually inspected, and the Town's two pump stations were evaluated. As a result of the report associated with the CCTV investigations and infrastructure evaluation, there was a capital improvement plan implemented, of which the priority rehabilitations were completed between 2018 and 2019. In addition to the manhole and sewer main repairs recommended in the engineer report, further investigation of the sewer laterals, direct connections, and flow monitoring was recommended. In 2019 the Town of Lake George was awarded a CFA grant to further evaluate the CSD sanitary sewer collection system per the requirements of the NOV. This "Caldwell Sewer District Lateral Inflow and Infiltration Study" engineering report describes the present condition, evaluations, findings, alternatives, and recommendations resulting from the sewer lateral, direct connection, and flow monitoring evaluations

### **Evaluations Conducted**

The evaluations conducted include lateral investigations at twelve critical areas that utilized CCTV technology. Also, smoke testing was performed to conduct evaluations at sewer laterals located generally along NYS Route 9, Beatty Road, and Cedar Lane. Finally, a level sensor was installed in manholes at seven locations throughout the collection system, to conduct flow evaluations to correlate precipitation and flow within the sewer system.

### **Recommended Alternative**

The recommended alternative includes lateral sliplining of several thousand linear feet of sewer lateral and several hundred feet of spot repairs, which total a capital improvement cost of \$939,292.00.

### **Proposed Course of Action**

The Town intends to use this report and the capital improvement plan to apply to various state funding sources to fund the recommended alternative.

The findings of the investigation are presented in Section 2 of the Town's I&I Study (Attached), the repair alternatives are presented in Section 3, and the recommended alternatives are presented in Section 4. Cost estimates and a repair schedule are provided for every recommended alternative. A twenty-year capital improvement plan is provided for all the recommended alternatives as is an overall capital improvement map depicting the recommended improvements. This report in conjunction with the previous engineering report satisfies the requirements of the December 29, 2016 NOV. Although the ultimate purpose of the report is in response to the DEC NOV, the report format also meets the "Engineering Report Outline for New York State Wastewater Infrastructure Projects" (October 2017) of the New York State Environmental Facilities Corporation (NYSEFC).



# Capital Improvement Project Request Form

For Budgets beginning Fiscal Year 2023 through Fiscal Year 2027

### 3. Multi-Benefit Checklist

- Water Quality Improvement
- Recreational Opportunity
- Infrastructure Enhancement
- Climate Adaptation / Mitigation
- Vehicle Fleet Enhancement
- Public Economic Development Benefit
- Public Facility Enhancement
- Partnership Coordination
- Energy Efficiency and Opportunity
- Transportation Improvements

### 4. Funding

- A. Who will be the Lead entity responsible for pursuing the project (including any design, SEQR, ROW/Acquisition, Permitting, Construction, Financing, etc)?
- B. Who will be the lead entity responsible for Operations and Maintenance?

District	Town	State	Other
X		X	
X			

Please note "State" also means Grant Funding. If multiple are selected, please explain in section 2. Project Description

#### C. Project Cost Breakdown

TOTAL COST OF PROJECT					
	Cost Share (% or \$)				Cost Breakdown (if available)
	District	Town	State	Other	
Regulatory/Permits/SEQR	\$31,000	-	-	-	\$31,000
Construction Costs	\$376,000	-	\$250,000	-	\$626,000
Planning/Design Costs	\$90,000	-	-	-	\$90,000
Monitoring/Observation	\$66,000	-	-	-	\$66,000
R/W Acquisition	-	-	-	-	-
Equipment/Material Purchase	-	-	-	-	-
<b>Total Cost of Project</b>					<b>\$813,000</b>
Total Funds Requested from District					\$563,000 (70%)
Total Funds Requested from NYS or Grant Opportunities					\$250,000 (30%)
Remaining Cost to be Funded by Town or Others					-

### 5. Contact Information for this Project:

**Name:** Dan Barusch  
**Title:** Director of Planning and Zoning  
**Phone:** 518-668-5722  
**E-Mail:** [dbarusch@lakegeorgetown.org](mailto:dbarusch@lakegeorgetown.org)