

#### **LCA Main Office**:

1053 Spruce Road Wescosville, PA 18106 610-398-2503

#### **Agendas & Minutes Posted:**

www.lehighcountyauthority.org

#### LEHIGH COUNTY AUTHORITY

Published: February 3, 2025

#### BOARD MEETING AGENDA – February 10, 2025 – 12:00 p.m.

In-Person or Virtual Meeting Attendance Options Available: Meetings of the LCA Board of Directors will be held at LCA's Main Office as well as online using the Zoom Meetings application, which includes a telephone option. Public participation is welcomed both in-person or virtually. Instructions for joining the meeting online or by phone are posted on the LCA website in the morning on the day of the meeting, prior to the start of each meeting. You may also issue comment to LCA via email to <a href="LCABoard@lehighcountyauthority.org">LCABoard@lehighcountyauthority.org</a> in advance of any meeting or view the meeting at a later time by visiting the LCA website. Please visit <a href="https://www.lehighcountyauthority.org/about/lca-board-meeting-videos/">https://www.lehighcountyauthority.org/about/lca-board-meeting-videos/</a> for specific instructions to join the meeting if you are attending virtually. If attending in-person at LCA's Main Office, please follow all safety and sanitation protocols posted.

- 1. Call to Order
  - NOTICE OF MEETING RECORDINGS

Meetings of Lehigh County Authority's Board of Directors that are held at LCA's Main Office at 1053 Spruce Road, Wescosville, PA, may be recorded for viewing online at lehighcountauthority.org. Recordings of LCA meetings are for public convenience and internal use only and are not considered as minutes for the meeting being recorded, nor are they part of the public record. Recordings may be retained or destroyed at LCA's discretion.

- Public Participation Sign-In Request
- 2. Review of Agenda / Executive Sessions
  - Additions to Agenda (vote required if action will be taken)
- 3. Approval of Minutes
  - January 27, 2025 Board Meeting minutes
- 4. Public Comments
- 5. Action / Discussion Items:

#### FINANCE AND ADMINISTRATION

LCA Strategic Plan – Progress Reporting (Discussion) (vellow) (digital Board packet, pages 8-12)

#### **WATER**

#### WASTEWATER

- Suburban Division LCA Meter Stations 1 and 2 Upgrades (Approval) (tan) (digital Board packet, pages 13-32)
- 6. Monthly Project Updates / Information Items (1st Board meeting per month) (digital Board packet, pages 33-41) February 2025 report attached
- 7. Monthly Financial Review (2<sup>nd</sup> Board meeting per month) (*digital Board packet, pages 42-54*) **December 2024 report attached**
- 8. Monthly System Operations Overview (2<sup>nd</sup> Board meeting per month)
- 9. Staff Comments

- 10. Solicitor's Comments
- 11. Public Comments / Other Comments
- 12. Board Member Comments
- 13. Executive Sessions
- 14. Adjournment

#### **UPCOMING BOARD MEETINGS**

February 24, 2025 March 10, 2025 March 24, 2025

#### PUBLIC PARTICIPATION POLICY

In accordance with Authority policy, members of the public shall record their name, address, and discussion item on the sign-in sheet at the start of each meeting; this information shall also be stated when addressing the meeting. During the Public Comment portions of the meeting, members of the public will be allowed 5 minutes to make comments/ask questions regarding non-agenda items, but time may be extended at the discretion of the Chair; comments/questions regarding agenda items may be addressed after the presentation of the agenda item. Members of the public may not request that specific items or language be included in the meeting minutes.

# REGULAR MEETING MINUTES January 27, 2025

The Regular Meeting of the Lehigh County Authority Board of Directors was called to order at 12:00 p.m. on Monday, January 27, 2025, Chairman Brian Nagle presiding. The meeting was hybrid via in-person and video and audio advanced communication technology ("ACT"), using the Zoom internet application, including telephone option. Each Board member and other attendees of the meeting were able to hear each other attendee and be heard by each other attendee. The public could also participate in the meeting in-person or via ACT, using the Zoom internet application, including telephone option. A Roll Call of Board members present was taken. Brian Nagle, Amir Famili, Ted Lyons, Jeff Morgan, Linda Rosenfeld, Norma Cusick, Marc Grammes, and Sean Ziller were present for Roll Call, and remained for the duration of the meeting. Kevin Baker entered the meeting at 12:02 p.m. and was present for the duration of the meeting.

Attorney Kevin Reid, the Authority's Solicitor, was present along with Authority Staff, Liesel Gross, Ed Klein, Andrew Moore, Chris Moughan, AJ Capuzzi, Chuck Volk, Phil DePoe, Susan Sampson, and Lisa Miller.

Chairman Nagle announced that the Board received their electronic and hard copies of the Board packet in advance. A copy of the packet is also available online.

#### **REVIEW OF AGENDA**

Liesel Gross stated that no Executive Session is planned; however, the LCA Strategic Plan – Progress Reporting item under Finance and Administration will need to be postponed until the February 10, 2025 meeting.

#### **APPROVAL OF MINUTES**

#### January 13, 2025 Meeting Minutes

Jeff Morgan noted grammatical errors. On a motion by Jeff Morgan, seconded by Linda Rosenfeld, the Board approved the minutes from the January 13, 2025 meeting as corrected (8-0). Brian Nagle abstained.

#### **PUBLIC COMMENTS**

None.

#### Resolution 1-2025-1: Omnibus Resolution – Delegation of Authority Responsibilities

Liesel Gross provided an overview of the Resolution. The Resolution is designed to consolidate prior Board actions delegating certain responsibilities to the staff. The Board's prior actions in this area were set forth in multiple resolutions spanning approximately 50 years... The proposed Resolution also seeks to remedy inefficiencies and introduce certain new delegated powers that are consistent with current needs. The Governance Committee has reviewed draft versions of the Resolution and provided input, and recommended that the Resolution be prepared for review and adoption by the full Board. Kevin Reid commented that the Resolution provides efficiencies for the Board and staff and is aligned with the Municipality Authorities Act. He highlighted and reviewed the three new areas of delegated responsibility that were added to this Resolution including the sections related to operations purchasing approval thresholds, the approval of intermunicipal operating agreements, and real property acquisition thresholds.

There was some discussion regarding the financial thresholds included in the Resolution for staff of Board approval and the impact these changes would have on what projects will come before the

Board for approval. Liesel Gross noted that the prior approval thresholds were established at least 30 years ago, and the cost of the Authority's projects and contracts has risen significantly in this time period, so the increase in the approval threshold is more aligned with current costs and would not greatly impact the number or type of projects that would be brought to the Board for approval.

Amir Famili referenced the section of the Resolution that related to hiring decisions for new staff and commented that the Board should participate in the decision-making process for critical positions. He stated his primary concern lies with the hiring of the Chief Financial Officer (CFO), due to the impact on the Authority's finances and the relationship to the Board's fiduciary responsibilities. Liesel Gross commented that it has always been the practice of the Authority to include Board in the hiring process of the CFO and Solicitor, noting that the Solicitor position has certain duties that relate specifically to the Board. There was additional discussion regarding the role of the Board in the hiring process. It was agreed that the Chief Executive Officer is responsible for making the hiring decisions, but the Board's participation in reviewing candidates for the CFO and Solicitor positions should be included in the Resolution. Solicitor Kevin Reid proposed adding language to the Resolution to specify Board representation on the hiring team for select positions such as the CFO and the Solicitor as determined by the Board.

On a motion by Linda Rosenfeld, seconded by Jeff Morgan, the Board approved Resolution 1-2025-1 with the modification set forth by the Solicitor (9-0).

Jeff Morgan asked if there would be a change to the Monthly Project report with the threshold changes. Liesel Gross said the projects list displayed in the report is generated by the projects that are brought to the Board for approval and, therefore, would not change much with the new thresholds in place. She also noted that AJ Capuzzi and the Engineering and Asset Management team are working to develop new project reporting mechanisms with the implementation of project management software.

A roll call vote was taken with the following votes cast:

Brian Nagle – yes Amir Famili – yes Ted Lyons – yes Jeff Morgan – yes Linda Rosenfeld – yes Norma Cusick – yes Marc Grammes – yes Sean Ziller – yes Kevin Baker – yes

#### Suburban Division – NBMA / North Whitehall Division Water System Interconnection

Chuck Volk explained that this project is a result of the source water study performed by Gannett Fleming to enhance flow capacity and fire flows within the North Whitehall Division. Amy Kunkel provided further detail explaining that the study concluded that a second interconnection with Northampton Borough Municipal Authority (NBMA) would be the most feasible option to provide redundancy of supply. The current agreement with NBMA can supply up to 1 million gallons per day and has excess capacity if needed in the future. The design includes the construction of a meter pit and related mechanical and electrical work.

The Board suggested providing a map to be able to visualize the location of the project and also providing the consultant proposal.

On a motion by Norma Cusick, seconded by Sean Ziller, the Board approved the Capital Project Authorization for the Design Phase – NBMA / North Whitehall Division Water System Interconnection in the amount of \$340,600.00 which includes the Professional Services Authorization to Gannett Fleming, Inc. for design and bid phases in the amount of \$240,600.00 (9-0).

#### Allentown Division I&I Program – Programmatic Support – Trout Creek & Eastside Basins

AJ Capuzzi introduced the project that is part of the regional Act 537 Plan for the Kline's Island Sewer System (KISS), noting that the Authority is leading the effort to reduce inflow and infiltration (I&I) in the City of Allentown sewer collection system. This new program will evaluate two basins in the system along with providing programmatic support. Stephen Boone provided details of the scope of the project noting that this will include flow monitoring, using meters and rain gauges, during wet weather and high groundwater conditions. The flow monitoring will occur both before and after sewer rehabilitation work is completed so the Authority can quantify the amount of leakage removed. In addition, level sensors will be installed in manholes throughout the Trout Creek and Eastside sewer basins. This is necessary to determine exactly where the I&I is coming from and narrow down the necessary rehabilitation work to each street in the basins. He stated that the Pa. Department of Environmental Protection (DEP) wants mathematical proof as to the effectiveness of I&I work that is being completed, and this project will provide the data proofs DEP requires.

Mr. Boone described the selection process, noting that there was a discrepancy during the final review between AECOM and Arcadis as they assumed different lengths of CCTV inspections. The Authority prepared a standardized cost comparison spreadsheet to eliminate the discrepancy.

There was some discussion about the location of the Trout Creek and Eastside basins and their size relative to the full City sewer collection system. Phil DePoe noted that the City is broken out into eight basins, and this work covers two of them. The Board commented that a map would be helpful to visualize the project, and the consultant's proposal would provide additional detail. Chairman Nagle asked if this approach will work for the remaining six basins and streamline the process. Mr. Boone said that each basin is unique and will have to be looked at individually, but this project will help to streamline the process of identifying the I&I projects in each basin and quantifying the leakage removed. AJ Capuzzi added that the Authority is purchasing the level sensors so they will be used in the remaining basins in the future.

There was further discussion regarding the discrepancy in the proposals between AECOM and Arcadis.

On a motion by Norma Cusick, seconded by Amir Famili, the Board approved the Capital Project Authorization for the Allentown Division I&I Program – Programmatic Support, Trout Creek & Eastside Basins in the amount of \$3,141,000.00 which includes the Professional Services Authorization to Arcadis, Inc. – SSES – Trout Creek & Eastside Basins, Programmatic Support in the amount of \$2,641,000.00 (9-0).

#### Sewer Operations Agreement - Upper Macungie Township Sewer Pump Stations

Liesel Gross provided an overview of the operations contract with Upper Macungie Township for their six sewer pump stations. A map was displayed to show where the pump stations are located in relation to where the Authority is already providing services in the Township. The Township sought a proposal from the Authority, which is attached to the agreement. The Township Board of Supervisors approved the proposal at a meeting earlier in January. The proposal includes the operation and maintenance of the six pump stations, and the Authority will charge the Township for the actual hours worked and other expenses incurred. The work includes routine operational inspections, emergency response capabilities, and scheduled generator maintenance. Additional expenses, such

as generator maintenance fees and materials, will be billed directly to the Township. The term of the agreement is for one year. Andrew Moore provided additional information as to how the stations will be operated.

There was some discussion regarding the resources needed to operate these pump stations. Ms. Gross noted that the 2025 Budget included the addition of one new employee to allow the Authority to manage these additional facilities. Andrew Moore noted that there is a crew at Upper Macungie Township that will also do a weekly inspection at each pump station, and this contract approach was driven in part by the retirement of the Township's lone certified operator.

Kevin Reid commented that the insurance section needs to have the limits added into the agreement.

On a motion by Norma Cusick, seconded by Sean Ziller, the Board approved the operations agreement between the Authority and Upper Macungie Township for the operation of six pump stations, subject to the Solicitor's final review and resolution of the insurance information (9-0).

A roll call vote was taken with the following votes cast:

Brian Nagle – yes Amir Famili – yes Ted Lyons – yes Jeff Morgan – yes Linda Rosenfeld – yes Norma Cusick – yes Kevin Baker – yes Marc Grammes – yes Sean Ziller – yes

#### MONTHLY SYSTEM OPERATIONS OVERVIEW

Andrew Moore reviewed the December 2024 report and reviewed two safety incidents that occurred. One was a near miss regarding improper strapping down of a load and another was a foreign object in the eye of an employee which occurred while the employee was cleaning a surface. Marc Grammes commented that report shows the root cause for the second incident incorrectly, and the root cause should refer to the employee not wearing safety glasses. He said employees should be wearing safety glasses at all times, and this needs to be reinforced.

Mr. Moore reviewed the remainder of the report and highlighted the improved performance of the Sand Spring Wastewater Treatment Plant. He presented a graph showing the improvements in nitrification during cold weather as compared to prior years. The treatment process improvement that was installed in 2024 appears to be working well, and more information will be available as the winter weather continues.

#### **STAFF COMMENTS**

None.

#### SOLICITOR'S COMMENTS

None.

#### **PUBLIC COMMENTS / OTHER COMMENTS**

Erin Kintzer from Bethlehem Sewer & Excavating Service commented that her company uses the Authority's Industrial Pretreatment Plant (PTP) for waste drop-off, primarily grease collected from local restaurants. She stated that it is becoming increasingly difficult to find places to drop off the grease, and municipalities are becoming more stringent with requirements for grease traps and disposal, so the need for this service is increasing. Ms. Kintzer asked if there is a regional plan for grease. She also asked if the Authority is considering prioritizing grease drop-off from the Lehigh Valley for restaurants or other customers such as herself. Liesel Gross said she would like to follow up with Ms. Kintzer after the meeting to provide more detailed responses to her questions. She noted that the waste hauler program is important to the region and the Authority is aware of the need for this service. This was discussed at length during the 2024 stakeholder involvement process associated with developing a long-term plan for the PTP. Ms. Gross provided her direct contact information so Ms. Kintzer may follow up directly after the meeting.

#### **BOARD MEMBER COMMENTS**

Norma Cusick asked for an update on the recently acquired property on Brookside Road. Liesel Gross reported that the property has been incorporated into the Building Master Plan project that Stephen Boone is overseeing. Mr. Boone reported that he has been in contact with Lower Macungie Township zoning officer and was informed that a change of use permit is needed because it is changing from a residential use to a commercial use. Ms. Gross added that the property is in the process of having the security updated.

#### **EXECUTIVE SESSION**

None.

#### **ADJOURNMENT**

			adjourned			

Jeffrey J. Morgan Secretary	

# LCA Strategic Plan (2022-2027)

2024 Semi-Annual Progress Report: January 2025

#### **Overview**

Lehigh County Authority (LCA) adopted an updated Strategic Plan in December 2021, which included a refreshed look at our Mission, Vision, Values and Priorities. An ambitious list of strategies, activities, and tasks were developed to support the achievement of LCA's plan over the next five years. This progress report was developed to help our employees and Board of Directors keep a sharp focus on the plan and, specifically, the work we plan to achieve in the current year. While not all inclusive, milestones outlined in this report describe the breadth of activities LCA focused on in 2024. A dashboard of key performance indicators is included on the last page of this report. Any questions about this report should be directed to LCA's Chief Executive Officer, Liesel Gross.

#### KISS Act 537 Plan

#### 2024 Target:

Complete development of Kline's Island Sewer System (KISS) Act 537 Plan in a form that can be issued to KISS municipalities for adoption in 2025.

#### 2024 Progress (1/1/2025):

- ☑ Final selection of technical solutions is nearing completion.
- ☑ Deep stakeholder engagement on Pretreatment Plant (PTP) future is nearing completion.
- ☑ Intermunicipal cost-sharing agreements under review, with legal support in place.
- ☑ Significant work ongoing to coordinate technical reviews and details with each KISS municipality.
- ☑ Significant work required on intermunicipal agreements, cost-sharing, and new programs such as for sewage billing meters, regional I&I approaches, and high-strength surcharge program.
- ☑ Conduct public open house meetings to share plan details including future rate projections. Incorporate public input into final plan document; prepare to kick-off municipal approval process.

#### 2024 Work Outstanding:

Finalize all technical inputs to the Act 537 Plan, including PTP final solution and municipal inputs
for inflow and infiltration (I&I) plans, maps, etc.

#### ☐ Write the plan and complete internal reviews.

#### **Tyler EERP Implementation**

#### 2024 Target:

Full re-implementation of Tyler EERP system with updated financial structure and additional modules to support cross-organizational process improvement. Preparation for a January 1, 2024 "go live" date.

#### 2024 Progress (1/1/2025):

- ☑ Updated financial structure (General Ledger) is fully redesigned and implemented.
- ☑ Deep review of previously unused Human Capital Management (HCM) module is under way.
- ✓ Initial phases of financial process improvements is in progress.

# 2024 Work Outstanding: ☐ Finalized implementation of HCM; integration with Payroll and Employee Self-Service modules. ☐ Full implementation of financial process improvements and new modules: Project Accounting, Inventory, Purchasing, etc. ☐ Migration of existing utility billing data, and implementation of Customer Access module. ☐ Employee training and process documentation. **Lead Program** 2024 Target: Substantial completion of Cycle 1 Lead Service Line (LSL) replacement program with grant funds secured for Cycle 2. Achieve October 2024 regulatory deadlines for LSL inventory submission and public communication. 2024 Progress (1/1/2025): ☑ Board adoption of LSL Replacement Policy and customer agreement for LSL replacements. ☑ Cycle 1 bid documents being finalized for publication; Pennvest grant/loan closing preparations. ☑ Cycle 2 scope nearing finalization, preparing for Pennvest grant application by 7/31/2024. ☑ Ongoing collaboration with City of Allentown on many project details related to cost-recovery, coordination with water main replacement work, paving requirements, plumbing code requirements, and more. ☐ Draft public interface developed for display of LSL location records. ☑ Prepare LSL inventory in format acceptable to Pa. Department of Environmental Protection. ☑ Implement advanced public outreach strategies to increase engagement in Cycle 2 project and achieve regulatory requirements for public notification. 2024 Work Outstanding:

Hire Lead Program Manager and Lead Replacement Project Manager.
Begin construction phase of Cycle 1 and design phase of Cycle 2 projects.
Finalize program details with City of Allentown to support future phases of LSL replacement

#### **Asset Management**

#### 2024 Target:

Complete facility specific Asset Management Plans (AMPs) for at least two critical facilities using new standardized risk scoring system. Develop internal staff capacity for continued implementation of the Strategy Asset Management Plan roadmap.

#### 2024 Progress (1/1/2025):

- ☑ Facilities selected for 2024 AMPS: Kline's Island Wastewater Treatment Plant and Lynn Township Wastewater Treatment Plant.
- ☑ External consultant on board to develop the Kline's Island AMP, to ensure compliance with Allentown Lease Agreement requirements.
- ☐ Internal staff working collaboratively on Lynn Township AMP.
- ✓ Internal staff review of updates Computerized Maintenance Management System (CMMS) options to better manage vertical assets.
- ☑ Hire Asset Management Engineer.

- ☑ Complete two facility-specific AMPs already under way; determine if additional AMPs can be completed in 2024. ☑ Decide on future CMMS implementation: enhance current CityWorks process, or new system.
- 2024 Work Outstanding:
  - ☐ Complete implementation of ProCore for enhancements to project management processes; integrate with Tyler EERP implementation of Project Accounting module.

#### **Employee Engagement & Safety**

#### 2024 Target:

Enhance the capture of safety data from daily operations to improve metrics and responses to increase employee safety, safety awareness, and compliance. Develop employee and workforce engagement programs related to enhanced onboarding program and a new internship program.

#### 2024 Progress (1/1/2025):

- ☑ New Safety Manager and Human Resource Manager hired; onboarding nearing completion.
- ☑ Employee Health & Safety (EHS) Steering Committee working with new Safety Manager on full review of operational and safety protocols.
- ☑ WaterWORKS internship program developed; five interns on board for summer 2024.
- ☑ Fill vacant Human Resources positions.
- ☑ Evaluate WaterWORKS internship program and develop enhancements for 2025.
- ☑ Evaluate and recommend enhancements to current Excel-based safety incident management system to support increased visibility of safety metrics and more consistent employee reporting.

#### 2024 Work Outstanding:

All 2024 targets achieved.

### **Staffing & Building Plan**

#### 2024 Target:

Develop future staffing plan to address rapidly expanding project workload. Complete review of workspace requirements for expanded staffing.

#### 2024 Progress (1/1/2025):

- ☑ Utility benchmarking survey completed to identify best practices and areas of opportunity for LCA related to staffing adequacy for core utility functions.
- ☑ Initial 2024 staff additions reviewed and approved by LCA Board.
- ✓ Initiate office building "master plan" review to identify rehabilitation and upgrade needs.
- ☑ Nearing complete digitization of engineering plans; files moved off-site to create work space.
- ☑ Initial concepts developed for Main Office expansion and lead program office consolidation.
- ☑ Preliminary design under way for Capital Works area to create additional work spaces.
- ☑ Review potential purchase of property adjacent to Main Office.
- ☑ Consolidate various planning efforts into single plan for future employee work space.

#### 2024 Work Outstanding:

☐ Develop staffing plans for 2025 and beyond; include succession planning component.

# **Other High-Priority Goals**

#### Discussion:

There are many additional high-priority goals that LCA seeks to achieve in 2024. Some major items are listed below as a reminder to staff and the Board of their importance. Progress on these goals will be ongoing, and may be raised or lowered on the priority list as new information is developed.

$\checkmark$	Complete Sand Spring Wastewater Treatment Plant upgrade to support regulatory compliance
$\checkmark$	Initiate design phase for PFAS treatment for Allentown and Buss Acres water systems.
	Adopt Resolution updating and consolidating delegated duties and authorization thresholds.
	Complete review and update of Emergency Response and Risk & Resiliency plans.
	Pursue additional grant funding for high-priority projects.

# Lehigh County Authority

# **LCA Strategic Plan Metrics**





**Customer Care** 

\* Target of 180 days.

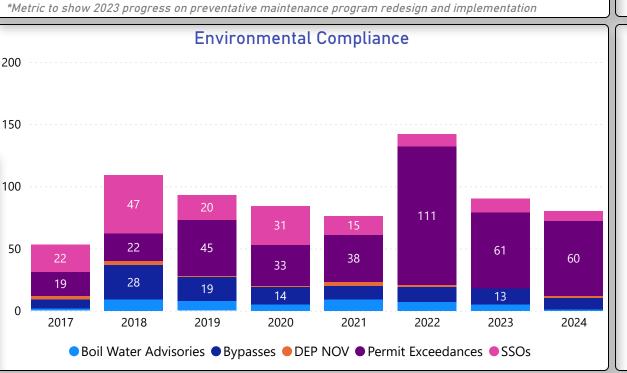


**METRIC** 

Capital Program









#### **MEMORANDUM**

**Date:** February 10, 2025

**To:** LCA Board of Directors

Liesel Gross, CEO

From: Charles Volk, P.E., CCWO

**Subject:** Meter Stations #1 and #2 Parshall Flume Replacements: Construction Phase

#### **MOTIONS / APPROVALS REQUESTED:**

No.	Item	Amount
1	Capital Project Authorization: Construction Phase	\$239,135
2*	Contract Award – Construction: LB Industries, Inc.	\$185,135
3*	Professional Services Authorization – Construction Engineering: Arcadis	\$38,000

<sup>\*</sup>Included in the Capital Project Authorization

#### Meter Stations #1 and #2 Parshall Flume Replacements

#### **PROJECT OVERVIEW:**

All municipalities in the Kline's Island Sewer System (KISS) are required to work on inflow and infiltration (I&I) source removal as part of the approved Interim Act 537 Plan. As part of the ongoing Act 537 regional planning, each municipality will be closely monitoring their flows to quantify I&I reductions. Due to current metering limitations, the boroughs of Macungie and Alburtis cannot accurately measure their sewage flows. The primary objective of this project is to expand peak flow metering capacity of two existing meter stations to enable the accurate measurement of flows from the two boroughs.

LCA Meter Stations (MS) #1 and #2 were installed in the late 1970s. MS #1 is located just upstream of the Borough of Alburtis' boundary with Lower Macungie Township and therefore captures the entire Borough's flows. MS #2 is located on the western end of Macungie Borough captures the flow entering the Borough of Macungie. MS #3 captures the flow exiting the Borough of Macungie; that station is accurately measuring average and peak sewage flows. MS #1 and #2 are undersized and do not accurately measure current flow conditions.

#### **PROJECT OBJECTIVE:**

The purpose of this project is to upgrade MS #1 and #2 to improve flow metering capacity and accuracy. Both stations measure flows via a Parshall flume, which is a prefabricated open channel insert in the sewer located directly below both station buildings. The flume has an integral restricted width section and hydraulic step that facilitates flow calculations via flow depth measurement taken with an ultrasonic level detector. The existing flumes are undersized and create hydraulic bottlenecks that overflow the flumes during peak flows, rendering the data inaccurate. The existing flumes are to be removed and replaced with larger units in this project. The secondary project objective is the refurbishment of station HVAC systems to provide adequate fresh air changes for maintenance personnel. No changes to the meter station electrical or communications systems are required as part of this project. The contractor will be required to perform bypass pumping around the meter stations during the flume replacement work in the open channel.

#### FINANCIAL

This project will be funded via the LCA Suburban Division.

#### **CURRENT STATUS**

Pending Board approval of Construction Phase.

**THIS APPROVAL**: Construction Phase

#### **BIDS**

Three contractors submitted bids for this project; results are summarized in the following table:

Bid Results – Construction Phase					
Contractor	Total Bid Amount				
LB Industries, Inc.	\$185,135				
Blooming Glen Wastewater Contractors, Inc.	\$194,821				
PSI Pumping Solutions, Inc.	335,100				

The low bidder for the project is LB Industries, Inc. (LBI), located in Hellertown PA. LBI has been in business for over 20 years, specializing in structural and mechanical construction, primarily at water and wastewater plants. LBI is currently the general contractor (GC) for the KIWWTP Boiler Replacement Project, and the firm also completed the KIWWTP dechlorination system project as the general contractor. The firm is consistently responsive and the quality of their work is very good. Reference checks for LBI did not identify any past project performance issues. Therefore, Capital Works recommends awarding the project to LBI, subject to the receipt of the necessary Performance Bonds, Insurance and other required documentation.

#### **MATERIAL PROCUREMENT:** N/A

#### **PROFESSIONAL SERVICES:**

Arcadis served as design engineer and will perform construction engineering and part-time construction inspection services. Arcadis will provide the following construction phase services (see attached PSA):

- Conduct pre-construction meeting and provide meeting minutes
- Review shop drawings and address RFIs
- Provide part-time inspection services and prepare inspection reports
- Payment application review certification
- Document performance of the work
- Perform Substantial Completion inspection and provide certification of completion
- Prepare and verify punchlist completion
- Final inspection and contract closeout administration

#### SCHEDULE

Assuming approval at the February 10, 2025 LCA Board meeting, the construction work is anticipated to begin in April and will be substantially completed by the end of this summer.

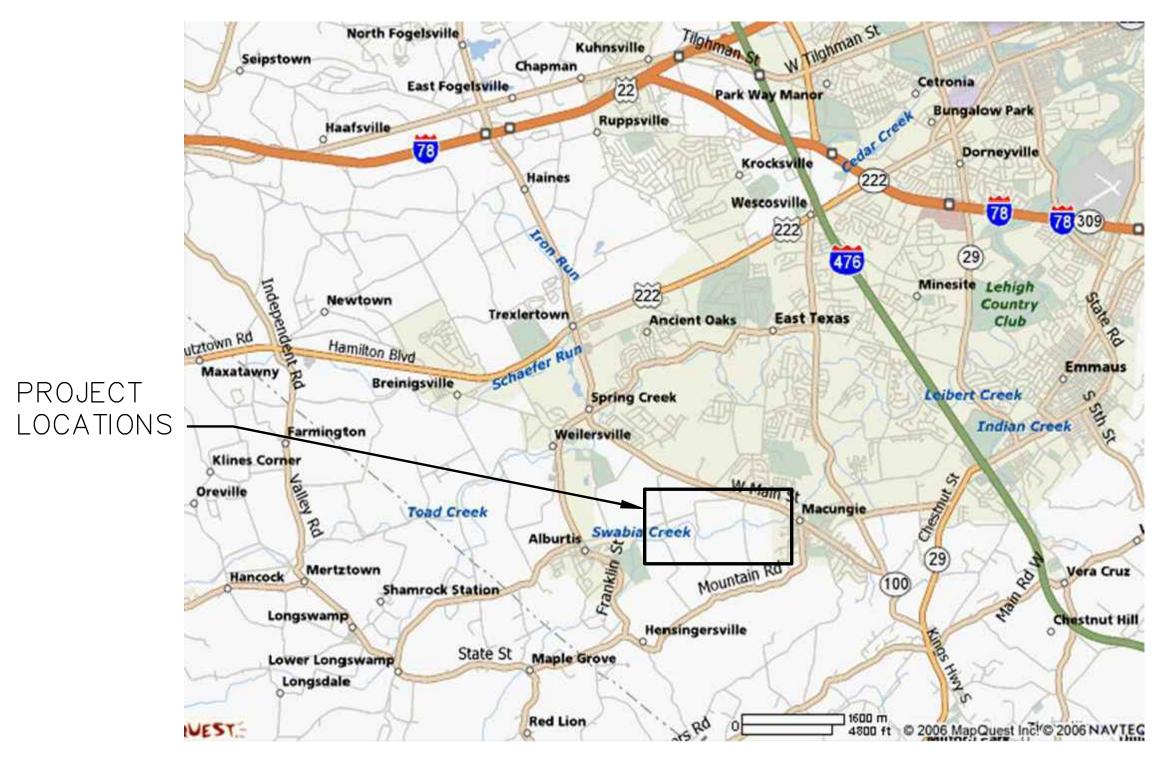
#### **FUTURE AUTHORIZATIONS**

None at this time.

# METER STATION 1 AND 2 REHABILITATION

PROJECT NO. 30213338 AUGUST 2024

CONSULTING ENGINEERS: ARCADIS U.S., INC. PHILADELPHIA, PA



# LIST OF DRAWINGS

SHEET NO.	DESCRIPTION
	GENERAL
G-1	COVER SHEET AND DRAWING INDEX
G-2	LEGEND, ABBREVIATIONS AND GENERAL NOTES
G-3	KEY SHEET
G-4	METER STATION 1 BYPASS PUMPING
G-5	METER STATION 2 BYPASS PUMPING
	PLANS
C-1	METER STATION 1
C-2	METER STATION 1 EXTERIOR PHOTOS
C-3	METER STATION 1 LOWER LEVEL PHOTOS
C-4	METER STATION 1 UPPER LEVEL PHOTOS
C-5	METER STATION 2
C-6	METER STATION 2 EXTERIOR PHOTOS
C-7	METER STATION 2 LOWER LEVEL PHOTOS
C-8	METER STATION 2 UPPER LEVEL PHOTOS

LOCATION MAP



			REVISIONS	LEHIGH COUNTY AUTHORITY			
NO.	BY	DATE	REMARKS	ALLENTOWN, PA			
				1			
				DATE:			
				SCALE: AS SHOWN APPROVED BY:			
				CHECKED BY:			

WESTERN LEHIGH INTERCEPTOR SYSTEM MACUNGIE TOWNSHIP

METER STATION 1 AND 2

REHABILITATION

30213338

COVER SHEET
AND DRAWING INDEX
NOT TO SCALE

COPYRIGHT © 2024
ARCADIS U.S., INC.

DATE AUGUST 2024

G SHEET \_\_1\_ 0F \_\_\_\_5

CAD REF. NO. \_\_\_\_0247EE001\_\_\_

#### <u>SURVEY</u>

- S1. SANITARY SEWER SIZE AND MANHOLES ARE EXAGGERATED ON PLANS.
- S2. ALL SEWER MAIN DIAMETERS ARE NOMINAL, AND ALL SEWER MAIN DIAMETERS, DROP CONNECTIONS, LENGTHS AND LATERAL LOCATIONS ARE TAKEN FROM RECORD PLANS AND/OR CCTV RECORDS AND MUST BE FIELD VERIFIED.

#### PRECONSTRUCTION ACTIVITIES

- P1. ALL EXISTING FIELD CONDITIONS, ELEVATIONS, LOCATIONS, DIMENSIONS MUST BE FIELD CHECKED AND VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION OPERATIONS.
- P2. LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE AND UTILITIES OTHER THAN SANITARY SEWER ARE GENERALLY NOT SHOWN. THERE ARE UNDERGROUND AND OVERHEAD UTILITIES (E.G., GAS, ELECTRIC, TELEPHONE, WATER, STORM, ETC.) OTHER THAN THOSE SHOWN. MAKE ARRANGEMENTS FOR MARK OUT OF EXISTING UTILITIES PRIOR TO THE COMMENCEMENT OF ANY EXCAVATION WORK. CALL THE PA 811 CONSTRUCTION HOT LINE FOR MARK OUT. PROVIDE PROOF OF COMPLIANCE WITH THE PA 811 HOTLINE SYSTEM PRIOR TO ANY EXCAVATION. CONTACT ALL NON-RESPONDING UTILITY OWNERS INDIVIDUALLY AND CONFIRM MARK OUTS.
- P3. NOT ALL CONDUITS ARE SHOWN ON DRAWINGS. CONTRACTOR TO CONFIRM LOCATIONS OF ALL CONDUITS PRIOR TO START OF WORK.

#### **CONSTRUCTION**

C1. PERFORM ALL CONSTRUCTION WORK IN ACCORDANCE WITH ALL APPLICABLE SAFETY CODES.

C2. THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN EXISTING SEWAGE FLOWS WITHIN THE SANITARY SEWER MAINS AT ALL TIMES DURING CONSTRUCTION OPERATIONS, INCLUDING BYPASS PUMPING OPERATIONS AS NECESSARY. CONTRACTOR SHALL CONTINUALLY MONITOR THE BYPASS PUMPING OPERATION TO INSURE BACKUPS DO NOT OCCUR OR FAILURE OF EQUIPMENT. ANY DAMAGE TO PUBLIC OR PRIVATE PROPERTY OR FINES RESULTING FROM HIS OPERATIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AT HIS EXPENSE.

## <u>RESTORATION</u>

- R1. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR RESTORATION OF ANY DAMAGE RESULTING FROM THE EXECUTION OF THE WORK, INCLUDING BUT NOT LIMITED TO DAMAGE FROM EXCAVATION, TRAFFIC WEAR AND TEAR TO LAWNS, LANDSCAPING, DRIVEWAYS, ETC., OR ANY OTHER PRIVATE PROPERTY ITEMS.
- R2. FOR DISTURBED GRASS AREAS, EITHER REMOVE EXISTING SOIL AND INSTALL NEW TOPSOIL BEFORE SEEDING AND MULCHING OR REMOVE THE REQUISITE AMOUNT OF SOIL AND INSTALL NEW SOD, UNLESS OTHERWISE DIRECTED BY THE FNGINFER

# TELEPHONE DIRECTORY

- 1. LEHIGH COUNTY AUTHORITY, DISPATCH (610) 398-2503
- 2. ARCADIS, JIM SHELTON, PROJECT MANAGER (302) 723-1450
- 3. LEHIGH COUNTY AUTHORITY, PHIL DEPOE, PROJECT MANAGER (717) 887-8953
- 4. UNDERGROUND UTILITY LOCATION SERVICE PA-811: 811 OR 1-800-242-1776
- 5. UGI UTILITIES (610) 807-3162
- 6. PPL ELECTRIC UTILITIES CORP, DOUG HAUPT (570) 490-5684
- 7. VERIZON COMMUNICATIONS, VICTOR WOOD (914) 414-2782
- 8. AT&T, PAT SUTTON (814) 321-6470

**ABBREVIATIONS** 

TYP - TYPICAL

**LEGEND** 

**FLOW** 

METAL FLOOR PLATE

4 . . 4 . . . 4

ELECTRICAL

CONCRETE

DOOR/WINDOWS

WALLS/FLOOR

BYPASS PUMPING ROUTE

ARCADIS

REVISIONS

NO. BY DATE REMARKS

DATE:

SCALE: AS SHOWN

CHECKED BY:

LEHIGH COUNTY AUTHORITY
ALLENTOWN, PA

MACUNGIE TOWNSHIP

METER STATION 1 AND 2

REHABILITATION

30213338

WESTERN LEHIGH INTERCEPTOR SYSTEM

LEGENDS, ABBREVIATIONS AND GENERAL NOTES

NOT TO SCALE

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**G** SHEET <u>2</u> OF <u>5</u>

CAD REF. NO. <u>0247EE002</u>

1433\183 — Fairfax CIP LL Phase 2\4433EE002.DWG Scale:1:1



			REVISIONS	LEHIGH COUNTY AUTHORITY		
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WESTERN LEHIGH INTERCEPTOR SYSTEM MACUNGIE TOWNSHIP METER STATION 1 AND 2 REHABILITATION 30213338

KEY SHEET

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BYPASS PUMPING DESIGN RATES:
MINIMUM NIGHTTIME FLOW: 0.09 MGD
AVERAGE DRY DAY DAILY FLOW: 0.19 MGD

NOTE:
1. BYPASS PUMPING OPERATION SHALL ONLY OCCUR DURING DRY WEATHER.



			REVISIONS	LEHIGH COUNTY AUTHORITY			
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WESTERN LEHIGH INTERCEPTOR SYSTEM MACUNGIE TOWNSHIP

METER STATION 1 AND 2

REHABILITATION

30213338

METER STATION 1 BYPASS PUMPING NOT TO SCALE COPYRIGHT © 2024
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G SHEET 4 OF

G SHEET 4 OF 5

CAD REF. NO. 0247EE004



BYPASS PUMPING DESIGN RATES: MINIMUM NIGHTTIME FLOW: 0.12 MGD AVERAGE DRY DAY DAILY FLOW: 0.34 MGD

NOTE:
1. BYPASS PUMPING OPERATION SHALL ONLY OCCUR DURING DRY WEATHER.

ARCADIS

			REVISIONS	LEHIGH COUNTY AUTHORITY			
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WESTERN LEHIGH INTERCEPTOR SYSTEM MACUNGIE TOWNSHIP

METER STATION 1 AND 2

REHABILITATION

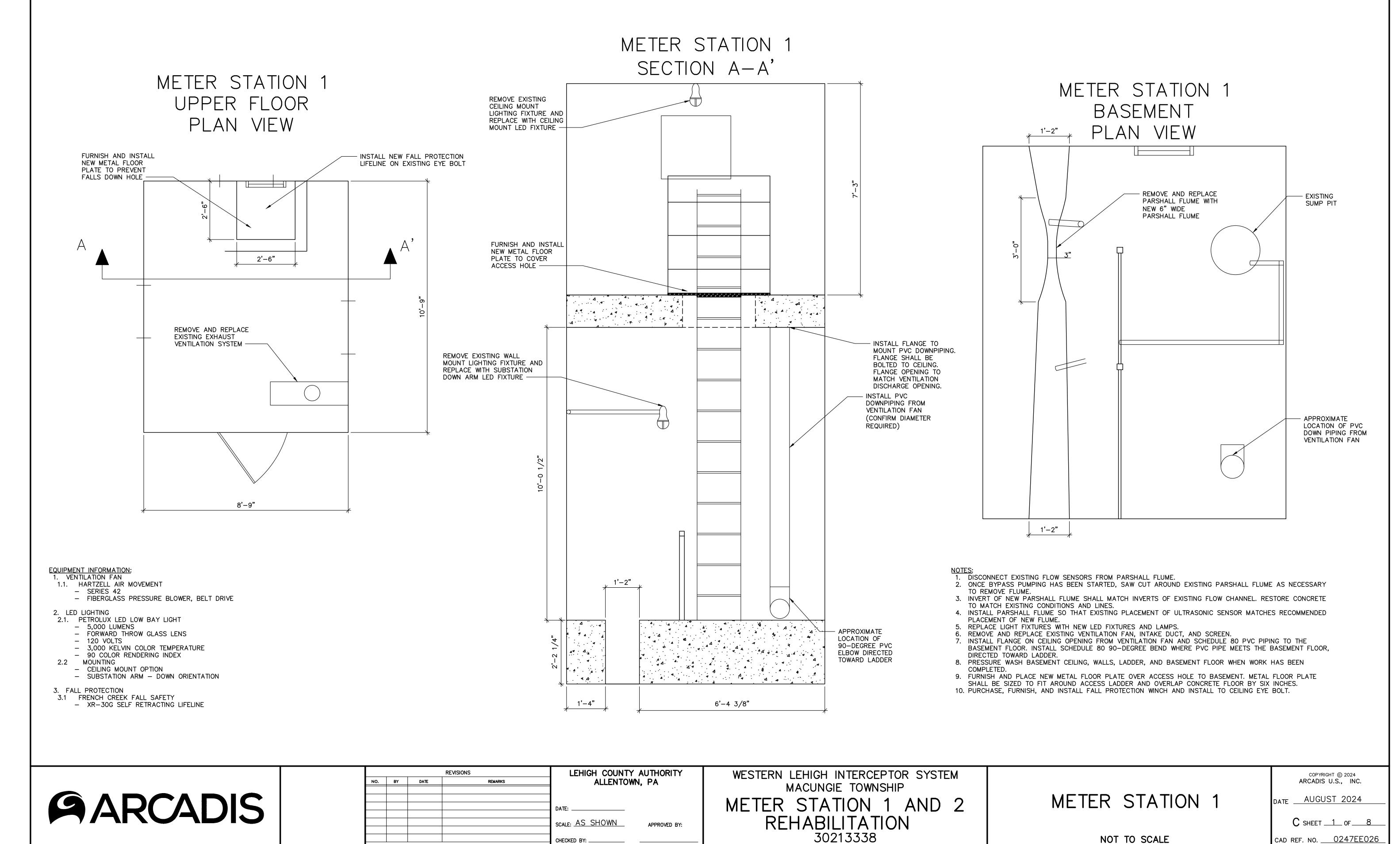
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METER STATION 2 BYPASS PUMPING NOT TO SCALE COPYRIGHT © 2024
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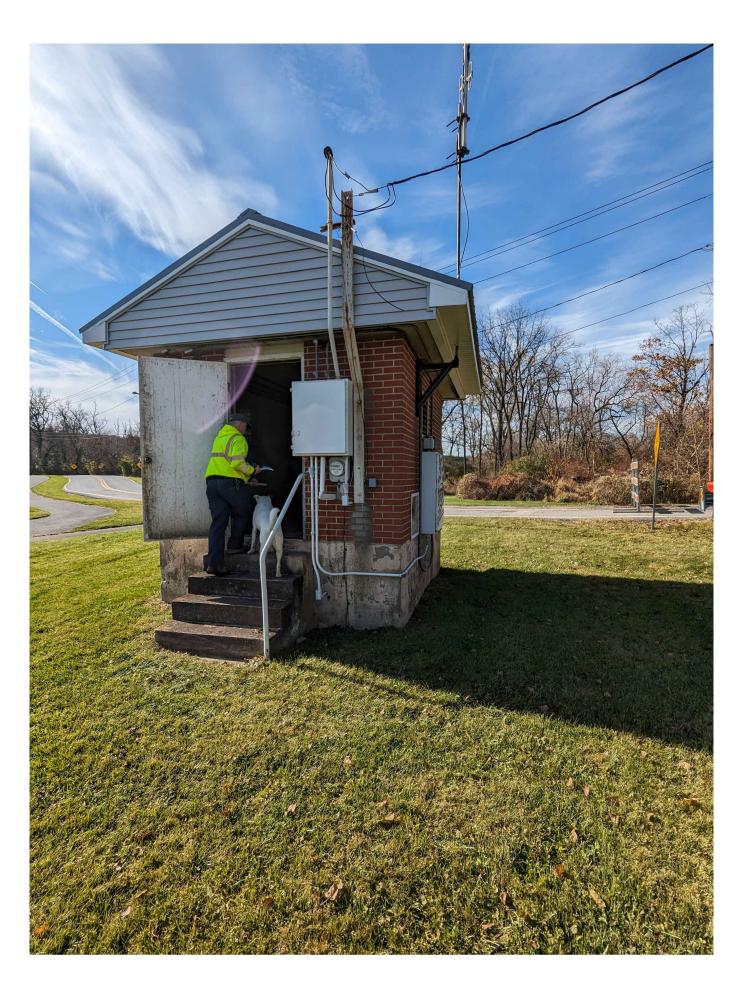
DATE AUGUST 2024

G SHEET 5 OF 5

G SHEET <u>5</u> OF <u>5</u>
CAD REF. NO. <u>0247EE005</u>













REVISIONS				LEHIGH COUNTY AUTHORITY			
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WESTERN LEHIGH INTERCEPTOR SYSTEM MACUNGIE TOWNSHIP

METER STATION 1 AND 2

REHABILITATION

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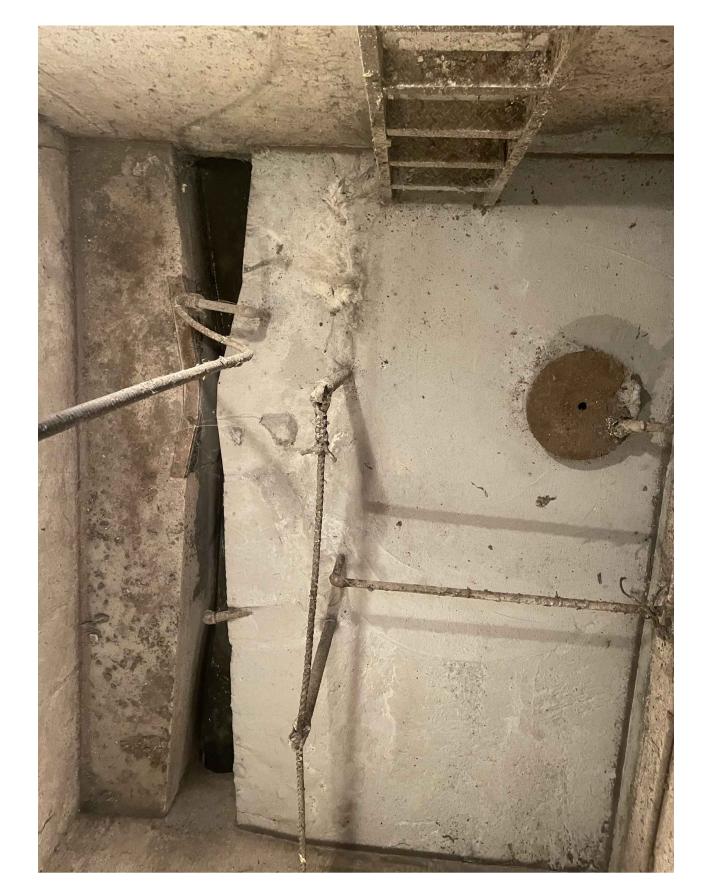
DATE <u>AUGUST 2024</u>

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 C SHEET \_2 OF \_\_ 8

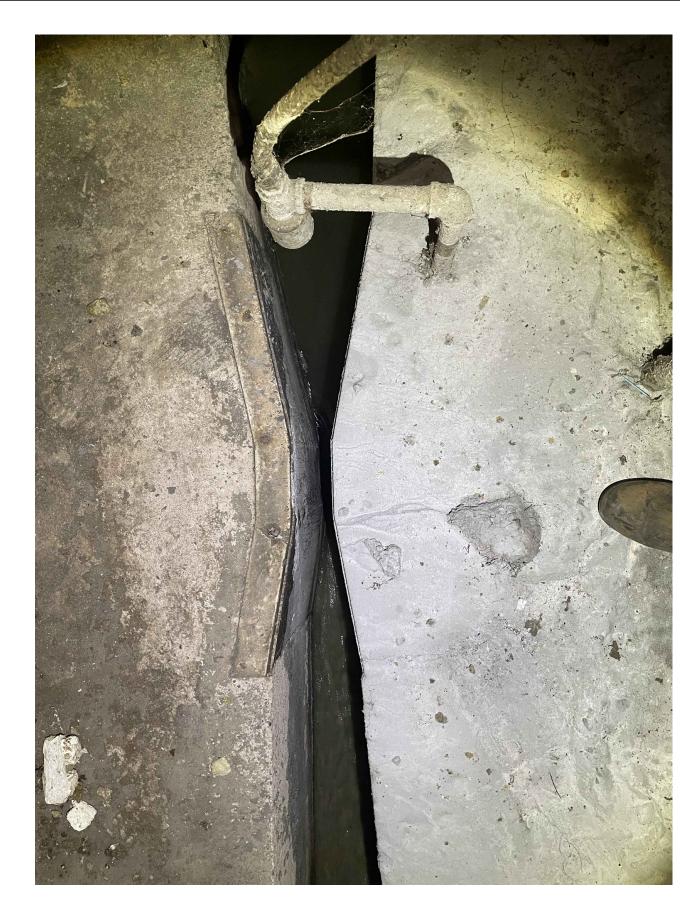
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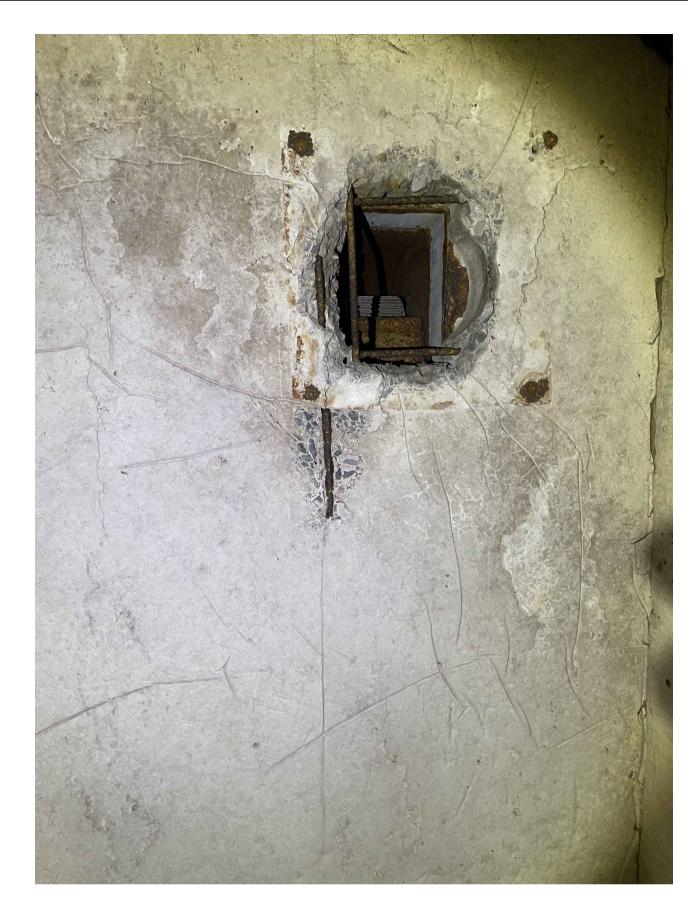
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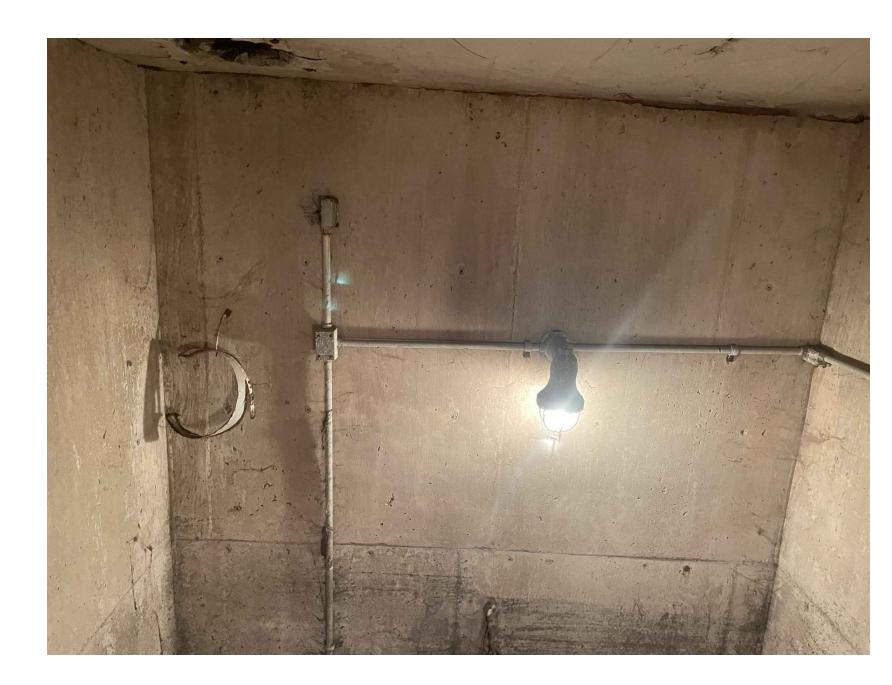
LOWER LEVEL FLOOR VIEW



CLOSE-UP OF PARSHALL FLUME



CLOSE-UP OF HOLE FOR VENTILATION FAN



LOWER LEVEL LIGHT

			REVISIONS	LEHIGH COUNTY AUTHORITY
NO.	BY	DATE	REMARKS	ALLENTOWN, PA
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WESTERN LEHIGH INTERCEPTOR SYSTEM MACUNGIE TOWNSHIP

METER STATION 1 AND 2

REHABILITATION

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METER STATION 1 LOWER LEVEL PHOTOS

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DATE AUGUST 2024

C SHEET 3 OF 8

C SHEET 3 OF 8

CAD REF. NO. 0247EE026b

UPPER LEVEL WIDE VIEW



VENTILATION FAN



NO. BY DATE REMARKS

DATE:

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WESTERN LEHIGH INTERCEPTOR SYSTEM MACUNGIE TOWNSHIP

METER STATION 1 AND 2

REHABILITATION

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METER STATION 1 UPPER LEVEL PHOTOS

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C SHEET 4 OF 8

CAD REF. NO. <u>0247EE026c</u>

User: CooperD Spec: PIRNIE STANDARD File: G: \CADD\ACAD\Proj\4433\183 - Fairfax CIP LL Phase 2\4433EE001.DW

APPROVED BY:

CHECKED BY: \_\_\_\_

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REVISIONS

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DATE:

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WESTERN LEHIGH INTERCEPTOR SYSTEM MACUNGIE TOWNSHIP

METER STATION 1 AND 2

REHABILITATION

30213338

METER STATION 2 EXTERIOR PHOTOS

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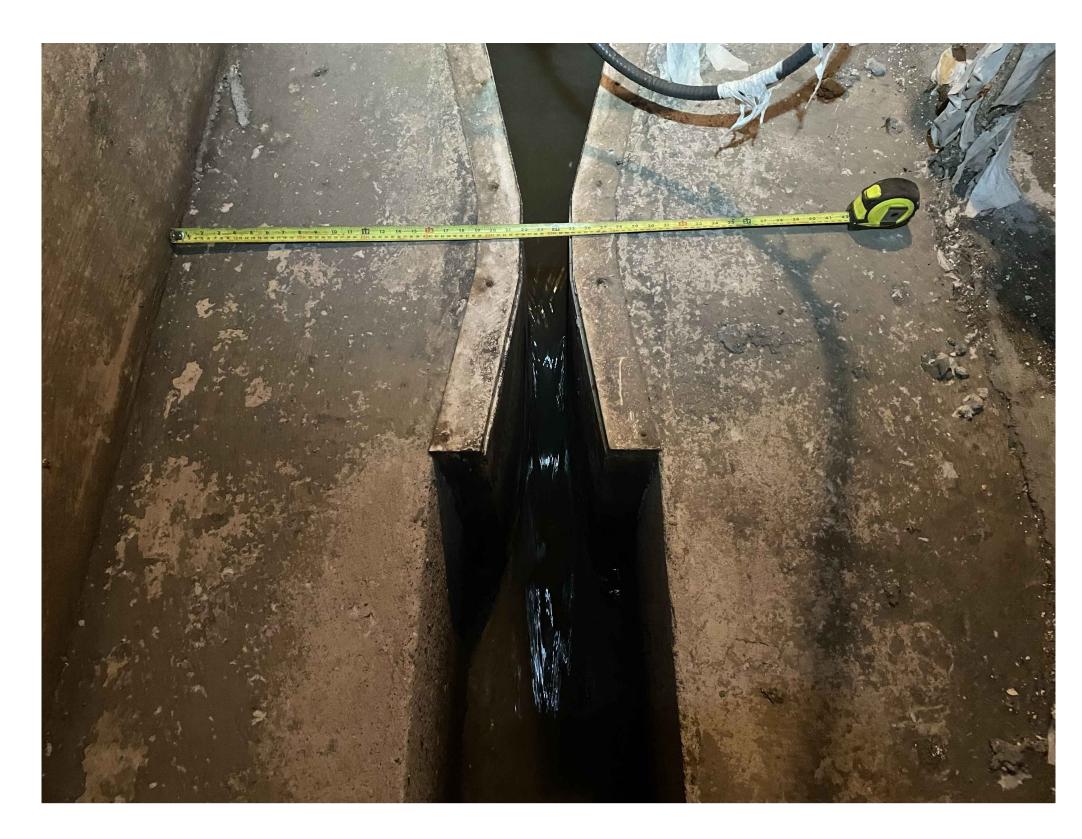
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DATE AUGUST 2024

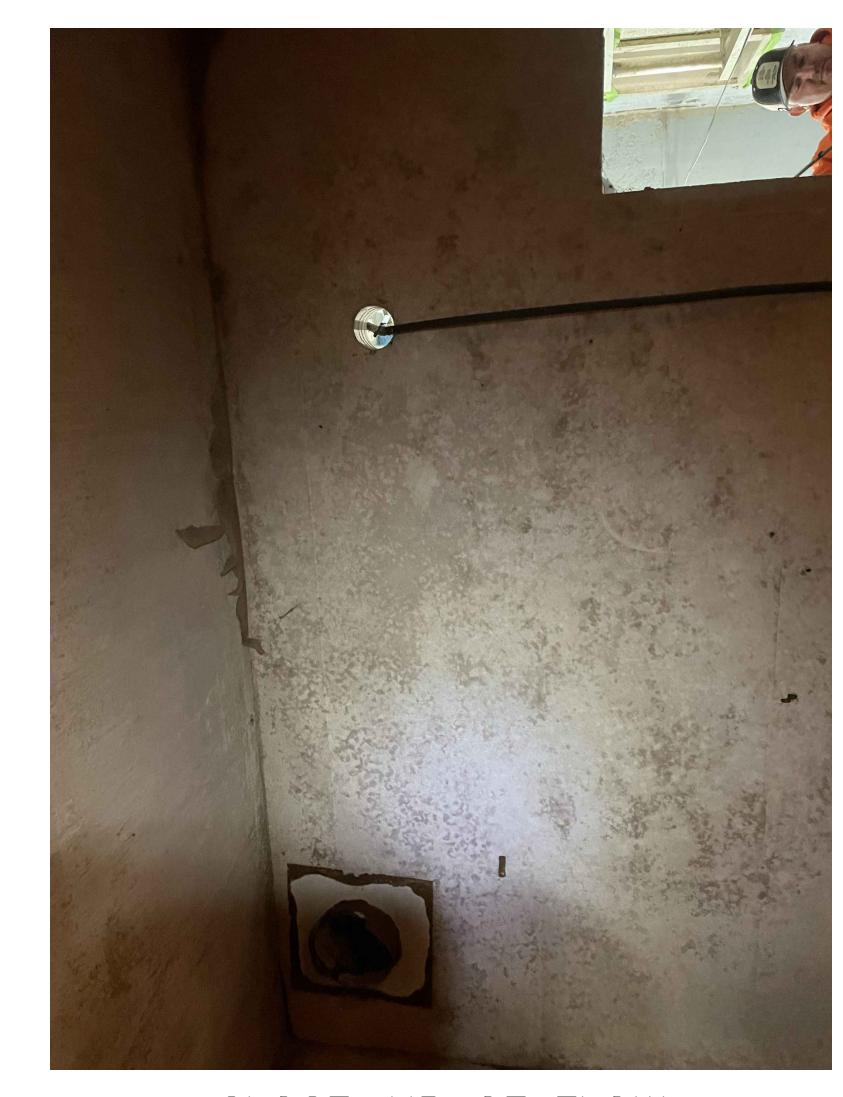
C SHEET 6 OF 8

CAD REF. NO. 0247EE027a

BASEMENT LEVEL



CLOSE-UP OF PARSHALL FLUME



CLOSE-UP OF FLOW

METER HOLE AND

VENTILATION FAN HOLE

REVISIONS

NO. BY DATE REMARKS

DATE:

SCALE: AS SHOWN

APPROVED BY:

WESTERN LEHIGH INTERCEPTOR SYSTEM MACUNGIE TOWNSHIP

METER STATION 1 AND 2

REHABILITATION

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C SHEET 7 OF 8

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VENTILATION FAN

			REVISIONS	LEHIGH COUNTY AUTHORITY			
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WESTERN LEHIGH INTERCEPTOR SYSTEM MACUNGIE TOWNSHIP

METER STATION 1 AND 2

REHABILITATION

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METER STATION 2 UPPER LEVEL PHOTOS

LEVEL PHOTOS

NOT TO SCALE

CAD

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C SHEET <u>8</u> OF <u>8</u>

CAD REF. NO. <u>0247EE027c</u>



Mr. Charles Volk Capital Works Project Manager Lehigh County Authority 1053 Spruce Road Allentown, PA 18106-0348 Arcadis U.S., Inc. 1600 Market Street Suite 1810 Philadelphia Pennsylvania 19103 Tel 215 625 0850 www.arcadis.com

Subject:

Meter Station 1 and 2 Parshall Flume Replacement and Station Refurbishment Construction Engineering Scope and Budget Proposal

WATER

Dear Mr. Volk:

Arcadis U.S., Inc. (Arcadis) is pleased to submit this proposal to provide construction engineering services to LCA for the Parshall flume replacement and station refurbishment of Meter Station 1 (Alburtis) and Meter Station 2 (Lower Macungie) construction project. This scope and budget cover construction engineering, administration, and inspection services for this project.

This scope and budget covers work from project pre-construction meeting through final completion. It does not cover work performed to SCADA systems.

Date:

January 8, 2025

Contact:

Dan Cooper

Phone:

215.931.4343

Email:

daniel.cooper@ arcadis.com

#### **OBJECTIVES**

The objective of this work is to work with the successful contractor and LCA to ensure the construction plans and specifications for meter station rehabilitation are implemented to provide expanded peak flow capacity of these meter stations so that peak wet weather flows no longer overtop the existing undersized flumes and refurbished ventilation, lighting, and safety inside each station.

#### **ASSUMPTIONS**

This proposal and its contents shall not be duplicated, used, or disclosed — in whole or in part — for any purpose other than to evaluate the proposal. This proposal is not intended to be binding or form the terms of a contract. The scope and price of this proposal will be superseded by the contract. If this proposal is accepted and a contract is awarded to Arcadis as a result of — or in connection with — the submission of this proposal, Arcadis and/or the client shall have the right to make appropriate revisions of its terms, including scope and price, for purposes of the contract. Further, client shall have the right to duplicate, use or disclose the data contained in this proposal only to the extent provided in the resulting contract.



This project will utilize bypass pumping of each station to replace each parshall flume. Contract time is 60 calendar days. This scope assumes construction oversight inspection for key events such as bypass pump setup/startup, demolition, flume insertion/plumb and level, and punch-list activities. Outside of these activities, oversight inspection will be 1 hour per day to check in with crews. This project will utilize up to 1 progress meeting given the short duration of the contract.

#### **SCOPE OF WORK**

Arcadis will provide construction engineering and contract administration services for the duration of the contract.

#### Arcadis will:

- Review schedules and shop submittals for compliance with the contract documents.
- Review and respond to requests for information.
- Provide part-time Construction Engineer during rehabilitation. For the purposes of this proposal, we have assumed oversight of key events throughout construction, such as bypass setup/startup, demolition, flume insertion/plumb and level, and punch-list activities. Other activities throughout construction will be 1 hour per day check-ins with the contractor.
- Provide senior oversight remotely daily to construction engineer and Contractor's crews to successfully guide the work.
- Prepare inspectors daily reports (IDRs), update Construction Progress Tracker, and update Issues Tracker daily.
- Review pay estimates submitted by the contractor and prepare recommendations to LCA.
- Review work conducted by the Contractor, recommend remedial action or deductions for out-of-specification defects, and prepare punch list.
- Participate in the preparation of the certificate of completion (issued for Substantial Completion).
- Coordinate contract close-out.

#### LCA will:

- Attend preconstruction meeting.
- Respond to request for information in a timely fashion.



#### **Budget**

We estimate the cost and level of effort of this work as shown in the below table.

Task No.	Task Name	Total Hours	enses d Subs	Esti	mated Budget
1	Construction Administration	60	\$ 200	\$	11,000
2	Construction Engineering	100	\$ 2,500	\$	21,000
PM	Project Management and Non- Progress Meetings	30	\$	\$	6,000
Total		190		\$	38,000

We propose to complete these services on a time and materials basis in accordance with the Agreement between LCA and Malcolm Pirnie, Inc., and the current Summary of Standard Charges for Lehigh County Authority. Arcadis will track the costs associated with this work and report them to LCA monthly throughout the project; we will not exceed the authorized budget without written professional services authorization from LCA. Payment for services will be based upon the actual labor and expenses incurred. Invoicing will be completed monthly. The invoice will include the defined contract tasks listing the day-by-day personnel performing the task with hourly rate and hours worked. The invoice will provide total billed for month. Support documents will be provided if there are any expenses incurred.

Please contact me with your authorization to proceed if this scope and budget are acceptable to you. If you have any questions, please do not hesitate to call me.

Sincerely,

Arcadis U.S., Inc.

Daniel P. Cooper

Certified Project Manager

Daniel P. Coope

Copies:

Cc: Tony Dill, Jim Shelton

	CAPITAL PROJEC	CT AUTHORIZAT	ION		
PROJECT No.:	SD-S-3	SD-S-3 BUDGET FUND:		ter\Capital	
PROJECT TITLE:	Meter Stations #1 and #2 Parshall Flume Replacements: Construction Phase		PROJECT TYPE:		
			Construction Engineering Study	ý	
THIS AUTHORIZATION:	\$239,135		Equipment Purcha	ase	
TO DATE (W/ ABOVE)	\$298,135	Amendment			
closely monitoring their flow and Alburtis cannot accurate late 1970s to enable metering just upstream of the Borough's flows. MS #2 cas improve peak flow metering with larger units in addition	537 regional planning, each news to quantify I&I reductions. tely measure their sewage flowing flows from both boroughs and an additional street of the sewage flow entering the Eng capacity and accuracy of the to HVAC upgrades at both street.	Due to current metering lives. LCA Meter Stations (and are undersized for current Lower Macungie Towns Borough of Macungie. The etwo existing meter station	mitations, the boroughs of MS) #1 and #2 were insent flow conditions. MS whip and therefore capture primary objective of this	of Macungie talled in the #1 is located es the entire project is to	
<b>Prior Authorization:</b> \$59,	000				
This Authorization: Const	truction phase				
See attached Board Memo	for further project details.				
Authorization Status:					
	Requested This Author	orization (LCA MS #1 an	d 2)		
Construct	tion Phase				
Staff			6,000		
Contra	ctor – LB Industries, Inc.		\$185,135		
Engine	ering Consultant - Arcadis		\$38,000		
Conting	gency		\$10,000		
Total This	s Authorization		\$239,135		
	orizations:		Φ.7.0.000		
Prior author	orizations horizations		\$59,000 None		
T uture aut	IIO 12 ations		None		
REVIEW AND APPROVALS	S:				
Project Manager	Date	Chief Execu	tive Officer	Date	
Chief Capital Works C	Officer Date	Chai	rman	Date	



1053 Spruce Street \* P.O. Box 3348 \* Allentown, PA 18106-0348 (610)398-2503 \* FAX (610)398-8413 \* Email: service@lehighcountyauthority.org

	(010)376-2303	rAA (010)596-6415 Email. serv	ice@ieingiicountyauthority.org
	PROFESSIONAL SERVIC	CES AUTHORIZAT	ΓΙΟΝ
Professional:	ARCADIS U.S., INC. 1600 Market Street, Suite 1810 Philadelphia, PA 19103	Date: Requested By: Approvals Department Head: Chief Executive Officer:	February 10, 2025 Chuck Volk
As part of the monitoring th MS #1 and #2 respective sev	vision – Meter Stations #1 and #2 eering Services on-going Act 537 planning, each reir flows to quantify I&I reductions, the boroughs of Macungie and Alwage flows. The primary objective flow measuring capacity. Work in wing:	nunicipality in the KISS s. Due to current flow m lburtis cannot accurately of this project is to upgra	will be closely etering limitations in measure their ade the meter stations to
	Professional S	Services <sup>(1)</sup>	
	1. Pre-construction meeting admi		
	2. Review shop drawings and add		
	3. Provide part time construction		
	4. Payment application review		
	5. Performance of work document	ntation	
	6. Substantial completion inspect		ration
	7. Final inspection and contract c		- ution
Prior Annroval	(1) Please reference the cover Memo fo  Amount: \$49,000	or additional information.	
	<del></del>		
1 ms Approval A	<u>Amount</u> : \$38,000		
New Amended A	Amount (not to be exceeded without	further authorization): S	\$87,000
Time Table and proposal.	Completion Deadline: As required to	o meet various critical dea	dlines as set forth in the
Authorization Co	(For Authority	y Use Only)	
	-	T.	2424
Approvai:	Actual Cost:	D	ate:

#### **Lehigh County Authority – Monthly Report to Board of Directors**

Upcoming Board Agenda Items & Project Updates – February 2025

Published: February 3, 2025

#### PART 1 – Upcoming Agenda Items – Action & Discussion Items

#### **FINANCE & ADMINISTRATION**

**<u>Project Title</u>**: LCA Strategic Plan - Progress Reporting

<u>Division / Funding</u>: All Divisions <u>Board Action Date</u>: 2/10/2025

<u>Status or Action Desired</u>: Discussion <u>Project Phase</u>: n/a

Project Notes: A report of staff progress on key initiatives outlined in LCA's Strategic Plan will be presented for Board

review and discussion. Staff Responsibility: Liesel Gross

**Project Title: Board of Directors - Election of Officers** 

<u>Division / Funding</u>: n/a <u>Board Action Date</u>: 2/10/2025 & 2/24/2025

<u>Status or Action Desired</u>: Election Vote <u>Project Phase</u>: n/a

Project Notes: The Board of Directors will nominate and elect officers for 2025 at the February 24, 2025 Board

meeting. Staff Responsibility: Liesel Gross

**Project Title: Monthly Financial Review** 

Division / Funding: n/a Board Action Date: 2/10/2025

<u>Status or Action Desired</u>: Information <u>Project Phase</u>: n/a

Project Notes: The December 2024 monthly financial report will be presented on 2/10/2025 and the January 2025

report will be distributed when it is available. Staff Responsibility: Ed Klein

#### **SYSTEM OPERATIONS**

**Project Title: Monthly Operations Report** 

<u>Division / Funding</u>: n/a <u>Board Action Date</u>: 2/24/2025

Status or Action Desired: Information Project Phase: n/a

Project Notes: The January 2025 monthly operations report will be presented. Staff Responsibility: Andrew Moore &

Chris Moughan

Project Title: Suburban Water Facilities - SCADA System Upgrade

<u>Division / Funding</u>: Suburban Division
<u>Board Action Date</u>: 2/24/2025
<u>Status or Action Desired</u>: Approval
<u>Project Phase</u>: Construction Phase

<u>Project Notes</u>: This project is focused on upgrading the Supervisory Control and Data Acquisition (SCADA) system for 42 facilities within the Suburban Division water and sewer systems. The project will be completed over a four-year period, and will result in a standardized system for all facilities for system management, operational data collection, and alarm protocols for operational events. This will increase operational efficiencies and decrease response times. Approval for the capital project authorization, contract award, and professional services necessary to complete the project was granted at the May 9, 2022 Board meeting. The project is ahead of schedule and on budget, and 2025 will be the final phase of the multi-year project. At the February 24, 2025 Board meeting, approval of the final phase of consultant services will be requested. <u>Staff Responsibility</u>: Chris Moughan

#### WATER PROJECTS – ALLENTOWN DIVISION

**Project Title: Lehigh River Pump Station Upgrades** 

<u>Division / Funding</u>: Allentown Division <u>Board Action Date</u>: 2/24/2025 <u>Status or Action Desired</u>: Approval <u>Project Phase</u>: Design Phase

<u>Project Notes</u>: The Lehigh River Pump Station is infrequently utilized due to taste and odor concerns as well as operational issues with the existing pumps and intake screens. A preliminary engineering evaluation was performed in 2024 that identified treatment options for taste and odor control as well as pump upgrades and intake screening modifications. The goal is to be able to utilize the Lehigh River source fully in the event the Little Lehigh Creek intake has to be taken out of service for any reason. A Basis of Design Report was completed late 2024 and presented to the City of Allentown for Major Capital Improvement consideration. Initial review comments were addressed and final review comments are expected from the City of Allentown by the end of January. LCA solicited final design and bid phase proposals from 3 firms in late 2024 and Capital Project Authorization for final design and bidding phase services is to be requested at the 2/24/2025 Board meeting. Staff Responsibility: Amy Rohrbach

#### WASTEWATER PROJECTS – KISS ACT 537

Project Title: Sanitary Sewer Collection System: City of Allentown Interceptor Inspections

<u>Division / Funding</u>: Allentown Division <u>Board Action Date</u>: 2/24/2025 <u>Status or Action Desired</u>: Approval <u>Project Phase</u>: Planning Phase

Project Notes: As part of both the Act 537 planning process and LCA Asset Management program, the condition and rehabilitation needs for each major interceptor in the system needs to be known. In the City of Allentown, the condition of each interceptor is not currently known. Since all sewage generated by the Kline's Island Sewer System flows through one or more of the City's main interceptors, the condition of each interceptor must be determined and a rehabilitation plan developed if needed. This interceptor inspection work will identify any needed rehabilitation, repairs, or modifications needed to suit the regional sewer needs. Board authorization for limited interceptor inspection work was granted at the December 12, 2022 meeting. The majority of those inspections occurred in the second quarter of 2023. Follow-up work was recommended on key sections of the inspected interceptors. These recommendations have been evaluated and authorization to proceed with this follow-up work was subsequentley granted at the June 10, 2024 Board Meeting. Four interceptors on the east side of the Lehigh River (plus the siphon piping under the Lehigh River) have been fully inspected and a final report is forthcoming. Inspections in 2025 will include the Lehigh Interceptor (~1 mile). Staff Responsibility: Stephen Boone

#### **WASTEWATER PROJECTS – SUBURBAN DIVISION**

Project Title: LCA Meter Stations 1 and 2 Upgrades

<u>Division / Funding</u>: Suburban Division <u>Board Action Date</u>: 2/10/2025 <u>Status or Action Desired</u>: Approval <u>Project Phase</u>: Construction Phase

<u>Project Notes</u>: The LCA Western Lehigh sewer system contains five meter stations located strategically throughout the area. Meter Station #1 is located on the downstream side of the Borough of Alburtis at the beginning of the Alburtis-Macungie Trunkline, and Meter Station #2 is located on the upstream side of the Borough of Macungie. Currently, neither meter station can accurately measure peak flows and require replacements of instrumentation and Parshall flumes. The replacement of these flumes will expand the peak flow metering capacity. This proposed work is part of the larger KISS Sewer Billing Meter issue that requires a long term solution in order to implement accurate billing and flow monitoring programs. Board authorization for the design and bid phase was granted at the 1/8/2024 Meeting. Authorization for construction will be requested at the 2/10/2025 LCA Board meeting. Staff Responsibility: Chuck Volk

updates for February 2025			

Project Category	Project Title	Division / Funding	Project Phase	Staff Responsibility
Finance & Administration	LCA Main Office Parking Lot Expansion	All Divisions	Construction Phase	Chuck Volk
Finance & Administration	Project Management / Construction Management Software Installation & Setup	All Divisions	Planning Phase	Jason Peters
Finance & Administration	LCA Munis ERP System Planning & Re- Implementation	All Divisions	Planning Phase	Chris Moughan & Brooke Neve
Water - Allentown	Lead Service Line Replacement Project Cycle 1	Allentown Division	Construction Phase	Liesel Gross & Staff
Finance & Administration	LCA Building Optimization Study & Master Plan	Suburban Division	Planning Phase	Stephen Boone
Finance & Administration	Capital Program Management Services	All Divisions	Planning Phase	Chuck Volk
System Operations	Watershed Monitoring Program	Suburban Division	Planning Phase	Andrew Moore
Water - Suburban	North Whitehall Second Interconnection	Suburban Division	Design Phase	Amy Kunkel
Water - Suburban	Suburban Division Lead Service Line Inventory Program & Compliance Planning	Suburban Division	Planning Phase	Albert Capuzzi
Water - Suburban	2024 Meter Replacements	Suburban Division	Construction Phase	Amy Kunkel
Water - Suburban	Central Lehigh and North Whitehall Systems – Water Supply Study	Suburban Division	Planning Phase	Phil DePoe
Water - Suburban	Upper System Pump Station and Main Extension	Suburban Division	Design Phase	Amy Kunkel
Water - Suburban	Water Main Replacement Program Cycle 8	Suburban Division	Design Phase	Jason Peters
Water - Allentown	Water Filtration Plant: PFAS Treatment	Allentown Division	Design Phase	Amy Rohrbach
Water - Allentown	Allentown Division Lead Service Line Inventory Program & Compliance Planning	Allentown Division	Planning Phase	Albert Capuzzi

Project Category	Project Title	Division / Funding	Project Phase	Staff Responsibility
Water - Allentown	Badger Meter Replacements	Allentown Division	Construction Phase	Amy Kunkel
Water - Allentown	Lead Service Line Replacement Project Cycle 2	Allentown Division	Design Phase	Albert Capuzzi
Water - Allentown	Water Filtration Plant: Fluoride System Upgrades	Allentown Division	Design Phase	Amy Rohrbach
Water - Allentown	Water Filtration Plant: HVAC Upgrades - Phase 1	Allentown Division	Construction Phase	Amy Rohrbach
Water - Allentown	Water Filtration Plant: Emergency Power Design	Allentown Division	Design Phase	Amy Rohrbach
Water - Allentown	Water Main Replacement Program Cycles 7 & 8	Allentown Division	Construction	Jason Peters
Water - Allentown	Water Main Replacement Program Cycles 9 - 11	Allentown Division	Design Phase	Jason Peters
Water - Allentown	Water Filtration Plant: Filter Upgrade Project	Allentown Division	Construction Phase	Amy Rohrbach
Water - Allentown	30" & 36" East Side Transmission Main Repair Project	Allentown Division	Design Phase	Jason Peters
Water - Allentown	Water Filtration Plant: 2022-2023 Indenture Upgrades	Allentown Division	Construction Phase	Chuck Volk
Water - Allentown	Large Diameter Valve Rehabilitation & Replacement Program	Allentown Division	Construction Phase	Chuck Volk
Sewer - Act 537	Sanitary Sewer Collection System: City of Allentown Manhole Inspections	Allentown Division	Planning Phase	Phil DePoe
Sewer - Act 537	Sanitary Sewer Collection System: City of Allentown Manhole Rehabilitation	Allentown Division	Construction Phase	Jason Peters
Sewer - Act 537	Regional Sewer Capacity & Wet-Weather Planning - Regional Act 537 Plan Preparation	City of Allentown (AO)	Planning Phase	Phil DePoe
Sewer - Act 537	KISS Act 537 Planning - Financial & Institutional Evaluation, Phase 3	City of Allentown (AO)	Planning Phase	Liesel Gross
Sewer - Act 537	Legal Services: Development of New Intermunicipal Agreement(s)	City of Allentown (AO)	Planning Phase	Liesel Gross

Project Category	Project Title	Division / Funding	Project Phase	Staff Responsibility
Sewer - Act 537	KISS System Modeling - Sewage Billing Meter QA/QC Data Analytics and 2021 Flow Metering Preparation	City of Allentown (AO)	Planning Phase	Phil DePoe
Sewer - Act 537	KISS Act 537 Planning - Selection of Solution (SOS) Phase	City of Allentown (AO)	Planning Phase	Phil DePoe
Sewer - Act 537	Industrial Pretreatment Plant Master Plan	Suburban Division	Planning Phase	Liesel Gross & Albert Capuzzi
Sewer - Act 537	Spring Creek Force Main Condition Assessment	Suburban Division	Planning Phase	Amy Kunkel
Sewer - Act 537	Regional Sewer Capacity & Wet-Weather Planning: Engineering & Program Support	Suburban Division	Planning Phase	Phil DePoe
Sewer - Act 537	KISS Relief Interceptor Pre-Design Study	Suburban Division	Planning Phase	Phil DePoe
Sewer - Act 537	Western Lehigh Interceptor Municipalities Test & Seal Lateral Grouting Project	Suburban Division	Construction Phase	Jason Peters
Sewer - Act 537	Western Lehigh Service Area - Engineering & Program Support	Suburban Division	Planning Phase	Phil DePoe
Sewer - Act 537	Upper Western Lehigh Pump Station & Force Main	Suburban Division	Construction Phase	Amy Kunkel
Sewer - Suburban	Wynnewood Terrace WWTP Expansion - Developer Cost-Sharing Agreement	Suburban Division	Planning Phase	Chuck Volk
Sewer - Suburban	Heidelberg Heights Sanitary Sewer Consent Order & Agreement	Suburban Division	Planning Phase	Chuck Volk
Sewer- Suburban	Pretreatment Plant - Critical Upgrades	Suburban Division	Construction Phase	Chuck Volk
Sewer - Suburban	Lynn Township WWTP Final Clarifier Project	Suburban Division	Construction Phase	Chuck Volk
Sewer - Suburban	Spring Creek Force Main Relocation - PA Turnpike Commission	Suburban Division	Construction Phase	Amy Kunkel
Sewer - Suburban	Spring Creek Pump Station Upgrades	Suburban Division	Construction Phase	Amy Kunkel
Sewer - Suburban	Park Pump Station Phase 2 Upgrade	Suburban Division	Construction Phase	Amy Kunkel

Project Category	Project Title	Division / Funding	Project Phase	Staff Responsibility
Sewer - Suburban	Arcadia WWTP Screening System Project	Suburban Division	Design Phase	Chuck Volk
Sewer - Suburban	North Whitehall Township Act 537 Plan	Suburban Division	Planning Phase	Phil DePoe
Sewer - Suburban	Pretreatment Plant (PTP) Electrical Study	Suburban Division	Planning Phase	Chuck Volk
Sewer - Suburban	Lynn Township Corrective Action Plan	Suburban Division	Planning Phase	Jason Peters
Sewer - Suburban	Sand Spring WWTP: Treatment Process Modification	Suburban Division	Design Phase	Chuck Volk
Sewer - Allentown	Kline's Island WWTP: Chemically Enhanced Primary Treatment Study	Allentown Division	Planning Phase	Stephen Boone
Sewer - Allentown	Sanitary Sewer Collection System: I&I Source Reduction Program (LCA Year 2)	Allentown Division	Planning Phase	Jason Peters
Sewer- Allentown	Kline's Island WWTP - Wet Weather Improvements - Phase 1	Allentown Division	Design Phase	Amy Rohrbach
Sewer - Allentown	Kline's Island WWTP: Master Plan	Allentown Division	Planning Phase	Amy Rohrbach
Sewer - Allentown	Kline's Island WWTP - Septage Receiving and Vacuum Truck Unloading Modifications	Allentown Division	Construction Phase	Amy Rohrbach
Sewer - Allentown	Kline's Island WWTP: Substation No. 1 and Switchgear Replacement	Allentown Division	Construction Phase	Amy Rohrbach
Sewer - Allentown	Kline's Island WWTP: 2023-2024 Architectural and Structural Upgrades	Allentown Division	Construction Phase	Amy Rohrbach
Sewer - Allentown	Kline's Island WWTP: Solids Process Boiler and HVAC System Upgrade Project	Allentown Division	Construction Phase	Chuck Volk
Sewer- Allentown	Kline's Island WWTP - Primary Sludge System Upgrades	Allentown Division	Construction Phase	Amy Rohrbach
Sewer - Allentown	Kline's Island WWTP - Final Settling Tanks 1-4 Upgrades	Allentown Division	Construction Phase	Amy Rohrbach
Sewer - Allentown	Sanitary Sewer Collection System: I&I Source Reduction Program (LCA Year 1)	Allentown Division	Construction Phase	Jason Peters

Project	Project Title	Division /	Project	Staff
Category		Funding	Phase	Responsibility
Sewer - Allentown	Kline's Island WWTP - Plastic Media Trickling Filter Rehabilitation	Allentown Division	Design Phase	Amy Rohrbach

# LEHIGH COUNTY AUTHORITY FINANCIAL STATEMENTS DECEMBER 2024

#### LEHIGH COUNTY AUTHORITY YTD SUMMARY SCORESHEET DECEMBER 2024

	Sub W	Sub WW	City
YTD Net income >0			
YTD Net income >= FC			
YTD Cash Flow >0			
YTD Cash Flow >= FC			
YTD DSCR >= FC			
YTD DSCR >= 1.20			
YTD Operating Ratio >= 1.00			
YTD Operating Ratio >= Budget Target			
YTD Days Cash on Hand >= 180.0			
YTD Operating Revenues >= FC			
YTD Operating Expenses <= FC			
FY FC Net Income >= Budget			
FY FC Cash Flows >=Budget			
FY FC DSCR >= Budget			
TOTAL GREEN	10	7	13

# LEHIGH COUNTY AUTHORITY FINANCIAL STATEMENTS - SUMMARY For the Period Ended December 31, 2024

Income Statement Suburban Water Suburban Wastewater City Division Total LCA

Cash Flow Statement Suburban Water Suburban Wastewater City Division Total LCA

Debt Service Coverage Ratio Suburban Water Suburban Wastewater City Division

	Consolidated Financial Statements													
		Month				Year To Date					FULL YEAR			
Actual	Q4 FC	Prior Year	FC Var	PY Var	Actual	Q4 FC	Prior Year	FC Var	PY Var	Actual	Budget	Prior Year	Bud Var	PY Var
344,348	863,892	4,984,487	(519,544)	(4,640,138)	2,481,476	2,663,377	8,266,955	(181,901)	(5,785,478)	2,481,476	2,019,922	8,266,955	461,554	(5,785,478)
(2,599,118) 1,581,615	(70,883) 4,793,513	(435,943) (6,485,074)	(2,528,235) (3,211,898)	(2,163,175) 8,066,689	(3,153,843) 17,750,388	(1,861,583) 16,511,908	(334,302) 7,787,339	(1,292,260) 1,238,480	(2,819,541) 9,963,049	(3,153,843) 17,750,388	(1,632,719) 14,844,627	(334,302) 7,787,339	(1,521,124) 2,905,761	(2,819,541) 9,963,049
(673,155)	5,586,523	(1,936,531)	(6,259,678)	1,263,376	17,078,022	17,313,703	15,719,991	(235,681)	1,358,030	17,078,022	15,231,830	15,719,991	1,846,192	1,358,030
(485,427)	2,500,056	(105,868)	(2,985,484)	(379,559)	806,020	2,633,939	3,429,573	(1,827,918)	(2,623,553)	806,020	1,446,849	3,429,573	(640,828)	(2,623,553)
(1,891,800)	(4,618,937)	144,896	2,727,137	(2,036,696)	7,556,058	4,703,254	4,298,204	2,852,804	3,257,854	7,556,058	347,045	4,298,204	7,209,013	3,257,854
(9,255,314)	772,209	(8,499,768)	(10,027,523)	(755,546)	59,299,522	55,832,338	13,827,651	3,467,184	45,471,870	59,299,522	2,940,507	13,827,652	56,359,015	45,471,870
(11,632,542)	(1,346,672)	(8,460,740)	(10,285,870)	(3,171,802)	67,661,600	63,169,531	21,555,429	4,492,069	46,106,171	67,661,600	4,734,400	21,555,429	62,927,200	46,106,171
2.55	6.28	21.00	(3.73)	(18.46)	2.19	2.24	3.97	(0.05)	(1.78)	2.19	1.96	3.97	0.23	(1.78)
(19.77)	9.54	10.28	(29.31)	(30.05)	3.29	4.47	9.02	(1.18)	(5.72)	3.29	4.67	9.02	(1.38)	(5.72)
2.91	7.29	(0.93)	(4.37)	3.84	2.44	1.86	2.38	0.58	0.06	2.44	2.13	2.38	0.31	0.06

Part									Consolidated Fin	ancial Statements							
Part			Mont	h			Year To	Date	consonauteu i ii		Q4 FULL YEAR	FORECAST			Full Year	Budget	
Description   1,514-75   170,000   4,541-75   1,541-7		Sub W	Sub WW	City	LCA	Sub W	Sub WW	City	LCA	Sub W	Sub WW	City	LCA	Sub W	Sub WW	City	LCA
Control Speech Charges   1,10.8		1 343 245	(770 585)	4 946 519	5 519 179	17 419 721	17 161 729	58 218 846	92 800 296	17 524 394	19 201 227	56 080 070	92 805 692	17 485 300	19 128 454	55 555 506	92 169 260
Control Process			(770,363)														6,256,350
Control   Cont			30														270,424
Proposed   1,1250	Total Operating Revenues	1,413,461	(770,555)	5,221,942	5,864,848	18,350,811	18,513,031	61,494,440	98,358,282	18,734,826	20,856,727	59,695,634	99,287,187	18,613,874	20,827,254	59,254,906	98,696,034
Proposed   1,1250	Oneveting Funences																
Professional Security   1921   1927   1928		411 907	163 474	1 113 202	1 688 584	4 267 610	1 740 883	11 840 977	17 849 470	4 271 437	1 740 118	13 927 623	19 939 178	4 269 081	1 766 601	13 986 737	20 022 419
Part																	
Mary Control Process   1987   1987   1987   1988   1988   1988   1989																	2,915,790
Part	Materials and Supplies			164,477	299,317	889,667	378,342	3,081,830	4,349,839	1,086,624	472,867	3,280,826		1,197,810	518,722	3,251,300	4,967,832
Part		180,058		156,808		5,086,183				4,706,969				4,806,151			14,834,252
March   Marc		- 207 700		-		2 572 452				2.650.624				2 547 000			
Control Processing Profession   Control Processing Processing Profession   Control Processing Processi		297,790	625,549			3,5/3,453	6,956,464			3,650,624	7,031,500			3,517,000	7,031,500		
Part		_	-	1,120	- 1,120	-	-	38,038	38,038	93.100	22.100	4,000,000		93.100	22.100	4,000,000	
Procession   Company   C		1,060,599	1,883,642	2,412,627	5,356,868	15,128,409	22,207,067	27,307,553	64,643,028			34,279,190				34,425,410	72,252,915
Procession   Company   C	Net Operating Profit	352 862	(2 654 197)	2 809 315	507 980	3 222 402	(3 694 035)	3/ 186 888	33 715 254	2 227 852	(2 170 635)	25 416 445	26 573 662	3.056.632	(1 443 009)	24 829 496	26 443 119
Marce Recommon   Page	. •	332,802	(2,034,137)	2,803,313	307,580	3,222,402	(3,034,033)	34,160,666	33,713,234	3,327,633	(2,170,033)	23,410,443	20,373,002	3,030,032	(1,443,003)	24,825,450	20,443,113
Character (Figure 16)   Char		75 010	E2 400	485 UE0	612 450	607 464	636 212	5 755 210	7 080 006	602 226	622 100	5 707 600	7 122 112	120 452	120 271	094 004	1 245 604
Part																	(21,056,738)
Math Norme (Bost)   344,348   (2,599,118)   3,581,615   (673,155)   (2,415,146)   1,770,388   1,770,038   1,770,		-		-										-			8,599,845
Cash Floor Start Ministry	Net Non-Operating Income (Expense)	(8,513)	55,079	(1,227,700)	(1,181,134)	(740,926)	540,193	(16,436,500)	(16,637,233)	(664,475)	309,052	(8,904,536)	(9,259,959)	(1,036,710)	(189,710)	(9,984,869)	(11,211,289)
Cash Floor From Operating Activities   1,413.461 (770,555)	Net Income (Loss)	344,348	(2,599,118)	1,581,615	(673,155)	2,481,476	(3,153,843)	17,750,388	17,078,022	2,663,377	(1,861,583)	16,511,908	17,313,703	2,019,922	(1,632,719)	14,844,627	15,231,830
Departing Revenues   1,11,146   (770,555)   5,21,942   5,864,848   (762,089)																	
Departing Expensives (ep 80A)   (702,899)   (1,768,099)																	
Non-Cash Working Capabla Changes  Net Cash Provided by Used inly Operating Activities Capable Commission (1998)  1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1																	
Extra Provided by (Indea in) Operating Activities   Cash Rows From Internating Rows From International Rows From Internation														(12,040,242)			
Capital Contributions														6,573,633			46,825,470
Proceeds New Borrowing	Cash Flows From Financing Activities																
Interest Payments		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Principal Payments		-	-														
Net Cash Provided by (Used In) Financing Activities (Cash Flow Fronting Cash Flow Flow Flow Flow Flow Flow Flow Flow		-	-	-	-												
Cash Flows from Capital and Related Activities   Non-Operating flower (Expense)   Cash Flows from Logical and Related Activities   (1,090,129) (2,788,783) (4,619,444) (8,498,311) (7,425,593) (9,698,598) (18,426,632) (35,549,922) (46,415,735) (19,697,357) (27,080,200) (44,197) (3,698,757) (17,065,750) (11,516,529) (25,263,800) (51,210,529) (27,884,780) (490,002) (19,190,000) (19					-												
Non-Operating incomore (Expenses) Capital Expenditures, net (1,090,129) (2,788,738) (4,619,444) (8,493,939) Rict Cash Provided By (Used in) Capital and Related Activities Cash Gous From Investing Activities Investments Converting To Cash Purchased By (Used in) Investing Activities Investments Converting To Cash Purchased By (Used in) Investing Activities Investments Converting To Cash Purchased By (Used in) Investing Activities Investments Converting To Cash Purchased By (Used in) Investing Activities Investments Converting To Cash Purchased By (Used in) Investing Activities Investments Converting To Cash Purchased By (Used in) Investing Activities Investments Converting To Cash Purchased By (Used in) Investing Activities Investments Converting To Cash Purchased By (Used In) Investing Activities Investments Converting To Cash Purchased By (Used In) Investing Activities Investments Converting To Cash Purchased By (Used In) Investing Activities Investments Converting To Cash Purchased By (Used In) Investing Activities Investments Converting To Cash Purchased By (Used In) Investing Activities Investments Converting To Cash Purchased By (Used In) Investing Activities Investments Converting To Cash Purchased By (Used In) Investing Activities Investment Converting To Cash Purchased By (Used In) Investing Activities Investment Converting To Cash Purchased By (Used In) Investing Activities Investment Converting To Cash Purchased By (Used In) Investing Activities Investment Converting To Cash Purchased By (Used In) Investing Activities Investment Converting To Cash Purchased By (Used In) Investing Activities Investment Converting To Cash Purchased By (Used In) Investing Activities Investment Converting To Cash Purchased By (Used In) Investing Activities Investment Converting To Cash Purchased By (Used In) Investing Activities Investment Converting To Cash Purchased By (Used In) Investing Activities						2,012,003	0,000,120	13,520,002	33,323,037	1,013,003	3,003,300	30,730,200	30,333,731	1,000,011	3,370,300	(7,701,005)	02,203
Net Cash Provided By Used Int Capital and Related Activities Cash Hows From Investing Activities Investments Converting To Cash Investments Converting To C		-	4,318	-	4,318	(1,556)	40,416	(5,408,167)	(5,369,306)	(3,070)	(144,372)	3,693,193	3,545,751	-	(134,047)	7,425,668	7,291,621
Cash Flows From Investing Activities Investments Converting Part Death Investments Converting Part Death Investments Converting Part Death Investments Converting Part Death Investments (480,000) (1,919,000) (1,	The second secon					. , .,,											(51,210,500)
Investments Converting To Cash   Converting To Ca		(1,090,129)	(2,784,420)	(4,619,444)	(8,493,993)	(7,431,149)	(9,653,282)	(23,834,798)	(40,919,229)	(6,494,644)	(10,731,729)	(23,387,007)	(40,613,380)	(7,065,750)	(11,650,297)	(25,202,832)	(43,918,879)
Purchased Invesments Interest Income Interest						725 000	2 400 000		3 1/12 000	725 000	2 400 000		3 1/12 000		500 000		500,000
Net Cash Provided By (Used In) Investing Activities   75,919   53,480   483,059   612,458   697,464   636,313   5,755,319   7,089,096   692,236   632,188   5,797,689   7,122,113   130,452   130,271   984,881   1,245,60		-	-	-	-			-				-		1 -	500,000	-	500,000
Net Cash Provided By (Used In) Investing Activities  75,919 53,480 483,059 612,458  (485,427) (1,891,800) (9,255,314) (11,632,542)  806,020 7,556,058 59,299,522 67,661,600  2,633,939 4,703,254 55,832,338 63,169,531  1,446,849 347,045 2,940,507 4,734,400  Debt Service Ratio (Indenture Based)  Total Operating Expenses (Cash Based) (762,809) (1,258,093) (1,646,779) (3,667,680) (11,554,955) (15,250,603) (20,870,533) (47,676,092) (11,756,350) (15,995,662) (24,018,892) (51,771,104) (12,040,242) (15,238,763) (24,255,560) (51,534,561) (10,082,244) (1,082,244)		75,919	53,480	483,059	612,458			5,755,319				5,797,689		130,452	130,271	984,881	1,245,604
Debt Service Ratio (Indenture Based) Total Operating Revenues (Cash Based) (1,258,093) (1,646,779) (3,667,680) (11,554,955) (15,250,603) (20,870,533) (47,676,092) (11,756,350) (15,995,862) (24,018,892) (51,771,104) (12,040,242) (15,238,763) (24,255,560) (25,555,560	Net Cash Provided By (Used In) Investing Activities	75,919		483,059						692,236	1,121,188					984,881	1,745,604
Debt Service Ratio (Indenture Based)   1,343,245   (770,585)   4,946,519   5,519,179   (1,646,779)   (3,667,680)   (11,554,955)   (15,250,603)   (20,870,533)   (47,676,092)   (11,756,350)   (15,99,862)   (24,018,892)   (51,771,104)   (12,040,242)   (13,08,224)   (13	FUND NET CASH FLOWS	(485,427)	(1,891,800)	(9,255,314)	(11,632,542)	806,020	7,556,058	59,299,522	67,661,600	2,633,939	4,703,254	55,832,338	63,169,531	1,446,849	347,045	2,940,507	4,734,400
Total Operating Revenues (2sh Based) (762,809) (1,258,093) (1,646,779) (3,667,680) (11,545,955) (15,250,603) (20,870,533) (47,676,092) (11,756,350) (15,995,862) (24,018,892) (51,771,04) (12,040,242) (																	
Total Operating Expenses (Cash Based) (762,809) (1,258,093) (1,646,779) (3,667,680) (11,554,955) (15,250,603) (20,870,533) (47,676,092) (11,756,350) (15,995,862) (24,018,892) (51,771,104) (12,040,242) (15,238,763) (24,255,560) (51,534,566)		l			7	I			7	1				1			7
Interest Income Annual Lease Payment (City) Total Non-Operating Revenues (Expenses) Total Debt Service Total Operating Revenues (Expenses) Total Debt Service Total D																	
Annual Lease Payment (City) (1,09,019) (109,019) (1,09,019) (109,019) (1,038,224) (1,308,2																	
Total Non-Operating Revenues (Expenses) Cash Available For Debt Service  70,216 70,2571 (1,970,851) 3,949,204 2,704,925 7,491,764 3,939,157 39,662,836 51,093,757 7,667,642 5,348,681 40,162,077 5,548,681 40,162,077 53,182,530 6,704,084 5,584,715 34,676,003 46,964,807 5,684,715 34,676,003 46,964,807 5,684,715 34,676,003 46,964,807 5,684,715 34,676,003 46,964,807 51,004,806 5,844,715 51,484 51,894 51,104,105 51,484 51,104,105 51,484 51,104,105 51,104,104 51,104,105 51,104,105 51,104,105 51,104,104 51,104,105 51,104		/5,919	53,480			697,464	636,313			692,236	632,188			130,452	130,2/1		
Cash Available For Debt Service 726,571 (1,970,851) 3,949,204 2,704,925 7,491,764 3,939,157 39,662,836 51,093,757 7,667,642 5,348,681 40,166,207 53,182,530 6,704,084 5,584,715 34,676,003 46,964,800     Interest Paid Debt Retirement (Principal Payments) 187,860 84,207 245,417 517,484 2,254,324 1,010,486 2,945,000 6,209,810     Total Debt Service 726,571 (1,970,851) 3,492,04 2,704,925		70.216	4.348			929.534	1,391.719			1.207.362	1,511.128			1,128.574	1,564.753		6,392,727
Debt Retirement (Principal Payments) 187,860 84,207 245,417 517,484 2,254,324 1,010,486 2,945,000 6,209,810 2,254,324 1,010,486 2,945,000 6,209,810 2,254,324 1,010,486 2,945,000 6,209,810 3,421,486 1,196,420 16,263,734 20,881,640 3,421,486			(1,970,851)		2,704,925				/						, , , , , , ,		46,964,802
Total Debt Service         285,124         99,702         1,355,311         1,740,137         3,421,486         1,196,420         16,263,734         20,881,640         3,421,486         1,196,420         16,263,734         20,881,640         3,421,486         1,196,420         16,263,734         20,881,640         3,421,486         1,196,420         16,263,734         20,881,640         3,421,486         1,196,420         16,260,397         20,878,30	Interest Paid		15,495	1,109,894	1,222,652	1,167,162			14,671,830		185,934	13,318,734			185,934	13,315,397	14,668,493
			,								-,,					-,,	6,209,810
Debt Service Ratio 2.55 (19.77) 2.91 1.55 2.19 3.29 2.44 2.45 2.24 4.47 2.47 2.55 1.96 4.67 2.13 2.2	Total Debt Service	285,124	99,702	1,355,311	1,740,137	3,421,486	1,196,420	16,263,734	20,881,640	3,421,486	1,196,420	16,263,734	20,881,640	3,421,486	1,196,420	16,260,397	20,878,303
And Dails View View View View View View View View	Debt Service Ratio	2.55	(19.77)	2.91	1.55	2.19	3.29	2.44	2.45	2.24	4.47	2.47	2.55	1.96	4.67	2.13	2.25

							Sı	uburban - Water							
			Month					Year To Date					Full Year		
STATEMENTS OF ACTIVITIES	Actual	Q4 FC	Prior Year	FC Var	PY Var	Actual	Q4 FC	Prior Year	FC Var	PY Var	Actual	Budget	Prior Year	Bud Var	PY Var
Operating Revenues: User Charges	1.343.245	1.583.250	1.324.664	(240.004)	18.581	17.419.721	17.524.394	16.493.151	(104.673)	926.570	17.419.721	17,485,300	16.493.151	(65,579)	926,570
Connection & System Charges	31,769	282,286	206,776	(250,517)	(175,007)	781,191	1,034,156	730,402	(252,964)	50,790	781,191	950,850	730,402	(169,659)	50,790
Other Miscellaneous Revenues	38,447	55,027	155,606	(16,580)	(117,159)	149,898	176,276	207,520	(26,377)	(57,622)	149,898	177,724	207,520	(27,826)	(57,622)
Total Operating Revenues	1,413,461	1,920,563	1,687,047	(507,102)	(273,586)	18,350,811	18,734,826	17,431,073	(384,015)	919,738	18,350,811	18,613,874	17,431,073	(263,063)	919,738
Operating Expenses:															
Personnel	411,907	24,766	(19,101)	(387,142)	(431,009)	4,267,610	4,271,437	3,475,597	3,827	(792,013)	4,267,610	4,269,081	3,475,597	1,471	(792,013)
Shared Services - General & Administrative Utilities	59,215 21,944	109,117 63,351	56,525 52,260	49,902 41,407	(2,691) 30,316	818,660 492,836	1,066,844 531,376	725,136 489,997	248,184 38,541	(93,524)	818,660 492,836	1,136,102 537,998	725,136 489,997	317,442 45,162	(93,524) (2,839)
Materials and Supplies	21,944 89,684	204,082	52,260 112,879	41,407 114.398	23,195	492,836 889,667	1,086,624	489,997 688,942	38,541 196,956	(2,839) (200,725)	889,667	1,197,810	489,997 688,942	308.143	(2,839)
Miscellaneous Services	180,058	103,806	508,619	(76,253)	328,560	5,086,183	4,706,969	4,077,315	(379,213)	(1,008,867)	5,086,183	4,806,151	4,077,315	(280,032)	(1,008,867)
Treatment and Transportation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Depreciation and Amortization	297,790	890,483	1,063,048	592,693	765,258	3,573,453	3,650,624	3,898,085	77,170	324,632	3,573,453	3,517,000	3,898,085	(56,453)	324,632
Major Maintenance Expenses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Miscellaneous	-	93,100	-	93,100	-	-	93,100	-	93,100	-	-	93,100	-	93,100	-
Total Operating Expenses	1,060,599	1,488,704	1,774,229	428,105	713,630	15,128,409	15,406,973	13,355,072	278,564	(1,773,337)	15,128,409	15,557,242	13,355,072	428,833	(1,773,337)
Net Operating Profit	352,862	431,859	(87,183)	(78,998)	440,045	3,222,402	3,327,853	4,076,001	(105,451)	(853,599)	3,222,402	3,056,632	4,076,001	165,770	(853,599)
Non-Operating Income (Expense)															
Interest Income	75,919	479,250	30,616	(403,330)	45,303	697,464	692,236	339,479	5,228	357,985	697,464	130,452	339,479	567,012	357,985
Interest (Expense)	(84,433)	(34,905)	255,948	(49,528)	(340,381)	(1,436,834)	(1,353,641)	(954,076)	(83,193)	(482,758)	(1,436,834)	(1,167,162)	(954,076)	(269,672)	(482,758)
Other Miscellaneous	` '- '	(12,312)	4,785,105	12,312	(4,785,105)	(1,556)	(3,070)	4,805,551	1,514	(4,807,106)	(1,556)	- '	4,805,551	(1,556)	(4,807,106)
Net Non-Operating Income (Expense)	(8,513)	432,033	5,071,669	(440,547)	(5,080,183)	(740,926)	(664,475)	4,190,954	(76,450)	(4,931,879)	(740,926)	(1,036,710)	4,190,954	295,784	(4,931,879)
Net Income (Loss)	344,348	863,892	4,984,487	(519,544)	(4,640,138)	2,481,476	2,663,377	8,266,955	(181,901)	(5,785,478)	2,481,476	2,019,922	8,266,955	461,554	(5,785,478)
CASH FLOW STATEMENT															
Cash Flows From Operating Activities Operating Revenues	1,413,461	1,920,563	1,687,047	(507,102)	(273,586)	18,350,811	18,734,826	17,431,073	(384,015)	919,738	18,350,811	18,613,874	17,431,073	(263,063)	919,738
Operating Expenses (ex D&A)	(762,809)	(598,221)	(711,181)	(164,588)	(51,628)	(11,554,955)	(11,756,350)	(9,456,987)	201,394	(2,097,969)	(11,554,955)	(12,040,242)	(9,456,987)	485,287	(2,097,969)
Non-Cash Working Capital Changes	(121,870)	1,030,675	355,473	(1,152,545)	(477,343)	(1,514,019)	(362,014)	(2,364,689)	(1,152,005)	850,670	(1,514,019)	1	(2,364,689)	(1,514,020)	850,670
Net Cash Provided by (Used in) Operating Activities	528,782	2,353,017	1,331,338	(1,824,235)	(802,556)	5,281,836	6,616,462	5,609,397	(1,334,626)	(327,561)	5,281,836	6,573,633	5,609,397	(1,291,796)	(327,560)
Cash Flows From Financing Activities															
Capital Contributions	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Proceeds New Borrowing	-	-	-		Ī.,	5,241,371	5,241,371	6,950,000		(1,708,629)	5,241,371	5,230,000	6,950,000	11,371	(1,708,629)
Interest Payments Principal Payments	-	(800) (9.098)	(904) (6.339)	800 9.098	904 6.339	(1,146,731) (2,081,771)	(1,167,162) (2,254,324)	(1,298,151) (2.010.541)	20,431 172,553	151,420 (71,231)	(1,146,731) (2.081,771)	(1,167,162) (2,254,324)	(1,298,151) (2.010.541)	20,431 172,553	151,420 (71,231)
Net Cash Provided by (Used in) Financing Activities	-	(9,098)	(5,339) (7,243)	9,098	7,243	2,012,869	1,819,885	3,641,309	192,984	(1,628,440)	2,012,869	1,808,514	3,641,309	204,355	(1,628,440)
Cash Flows from Capital and Related Activities	-	(3,833)	(7,243)	3,633	7,243	2,012,803	1,019,003	3,041,303	132,384	(1,028,440)	2,012,803	1,808,314	3,041,303	204,333	(1,028,440)
Non-Operating Income (Expenses)	-	(12,312)	(104,544)	12,312	104,544	(1,556)	(3,070)	(84,098)	1,514	82,543	(1,556)	-	(84,098)	(1,556)	82,543
Capital Expenditures, net	(1,090,129)	(65,000)	(1,356,036)	(1,025,129)	265,907	(7,429,593)	(6,491,575)	(6,085,513)	(938,019)	(1,344,080)	(7,429,593)	(7,065,750)	(6,085,513)	(363,843)	(1,344,080)
Net Cash Provided By (Used In) Capital and Related Activities	(1,090,129)	(77,312)	(1,460,580)	(1,012,817)	370,451	(7,431,149)	(6,494,644)	(6,169,612)	(936,505)	(1,261,537)	(7,431,149)	(7,065,750)	(6,169,612)	(365,399)	(1,261,537)
Cash Flows From Investing Activities															
Investments Converting To Cash	-	- (2.45.000)	-	-	-	735,000	735,000	988,000	-	(253,000)	735,000	-	988,000	735,000	(253,000)
Purchased Invesments Interest Income	75,919	(245,000) 479,250	30,616	245,000 (403,330)	45,303	(490,000) 697,464	(735,000) 692,236	(979,000) 339,479	245,000 5,228	489,000 357,985	(490,000) 697,464	130,452	(979,000) 339,479	(490,000) 567,012	489,000 357,985
Net Cash Provided By (Used In) Investing Activities	75,919	234.250	30,616	(158.330)	45,303	942.464	692,236	348.479	250,228	593,985	942.464	130,452	348.479	812.012	593.985
FUND NET CASH FLOWS	(485,427)	2,500,056	(105,868)	(2,985,484)	(379,559)	806,020	2,633,939	3,429,573	(1,827,918)	(2,623,553)	806,020	1,446,849	3,429,573	(640,828)	(2,623,553)
	,	_,0,000	,,	1-151-0-11	(2.0)000]	300,023		2,.23,573	1-, 10201	(_,_10,000)	300,020			(2.0,020)	,_,,
DEBT SERVICE RATIO															
Debt Service Ratio (Indenture Based)															
User Charges	1,343,245	1,583,250	1,324,664	(240,004)	18,581	17,419,721	17,524,394	16,493,151	(104,673)	926,570	17,419,721	17,485,300	16,493,151	(65,579)	926,570
Operating Expenses (Cash Based)	(762,809)	(598,221)	(711,181)	(164,588)	(51,628)	(11,554,955)	(11,756,350)	(9,456,987)	201,394	(2,097,969)	(11,554,955)	(12,040,242)	(9,456,987)	485,287	(2,097,969)
Interest Income	75,919	479,250	30,616	(403,330)	45,303	697,464	692,236	339,479	5,228	357,985	697,464	130,452	339,479	567,012	357,985
Annual Lease Payment (City)	70 216	325,001	5,147,487	(254,786)	(5,077,271)	929,534	1,207,362	5,743,472	(277,828)	(4,813,938)	020 524	1,128,574	5,743,472	(199,040)	(4,813,938)
Non-Operating Revenues (Expenses)  Cash Available For Debt Service	70,216 726.571	1.789.280	5,147,487	(1.062.709)	(5,077,271)	7.491.764	7.667.642	13.119.116	(277,828)	(5,627,352)	929,534 7.491.764	1,128,574 6.704.084	13.119.116	787.680	(5,627,352)
Debt Service	720,371	1,703,200	3,731,300	(1,002,703)	(3,003,013)	7,431,704	7,007,042	13,113,110	(173,073)	(3,027,332)	7,431,704	0,704,004	13,113,110	707,000	(3,027,332)
Interest Paid	95,561	95,561	108,179	-	(12,618)	1,146,731	1,146,731	1,298,151	=	(151,420)	1,146,731	1,167,162	1,298,151	(20,431)	(151,420)
Debt Retirement (Principal Payments)	173,481	173,481	167,545	_	5,936	2,081,771	2,081,771	2,010,541		71,231	2,081,771	2,254,324	2,010,541	(172,553)	71,231
Total Debt Service	269,042	269,042	275,724	-	(6,682)	3,228,502	3,228,502	3,308,691	=	(80,189)	3,228,502	3,421,486	3,308,691	(192,984)	(80,189)
Debt Service Ratio	2.70	6.65	21.00	(3.95)	(18.30)	2.32	2.37	3.97	(0.05)	(1.64)	2.32	1.96	3.97	0.36	(1.64)
	2.70	0.03	21.00	(3.33)	(10.30)	2.72	2.37	3.37	(0.03)	(1.04)		1.50	3.37	0.30	(1.04)

STATEMENTS OF ACTIVITIES
Operating Revenues:

User Charges

Connection & System Charges Other Miscellaneous Revenues
Total Operating Revenues

#### Operating Expenses:

Personnel
Shared Services - General & Administrative

Utilities
Materials and Supplies

Miscellaneous Services Treatment and Transportation Depreciation and Amortization

Major Maintenance Expenses Other Miscellaneous

**Total Operating Expenses** 

#### **Net Operating Profit**

#### Non-Operating Income (Expense)

Interest Income Interest (Expense) Other Miscellaneous

Net Non-Operating Income (Expense)

#### Net Income (Loss)

CASH FLOW STATEMENT
Cash Flows From Operating Activities
Operating Revenues
Operating Expenses (ex D&A)

## Non-Cash Working Capital Changes Net Cash Provided by (Used in) Operating Activities

# Cash Flows From Financing Activities Capital Contributions

Proceeds New Borrowing

Interest Payments Principal Payments

# Net Cash Provided by (Used in) Financing Activities Cash Flows from Capital and Related Activities

Non-Operating Income (Expenses) Capital Expenditures, net

Net Cash Provided By (Used In) Capital and Related Activities
Cash Flows From Investing Activities
Investments Converting To Cash

Purchased Investments

Interest Income
Net Cash Provided By (Used In) Investing Activities

FUND NET CASH FLOWS

				Ch. b Web.
				Suburban - Water
Act	tual	Q4 FC	FC Var	Comments
				Higer industrial, commercial, and resedential revenue more than offset by lower miscellaneous
	419,721	17,524,394		revenues
	781,191	1,034,156		Lower Developer reimbursement
	149,898	176,276	(26,377)	
18,	350,811	18,734,826	(384,015)	Lower user charges and lower system charges
	267,610	4,271,437	3,827	
	818,660	1,066,844	248,184	
	492,836	531,376	38,541	
	889,667	1,086,624	196,956	
5,	086,183	4,706,969	(379,213)	
	-	-	-	
3,	573,453	3,650,624	77,170	
	-	-	-	
	-	93,100	93,100	
15,	128,409	15,406,973	278,564	Favorable across the board except for higher services spending
3,	222,402	3,327,853	(105,451)	Lower operating revenues partially offet by lower operating expenses
	697,464	692,236	5,228	
(1,	436,834)	(1,353,641)	(83,193)	
	(1,556)	(3,070)	1,514	
(	740,926)	(664,475)	(76,450)	Higher interest expense
2,	481,476	2,663,377	(181,901)	Lower and operating income and higher interest expense

10 250 011	10 724 026	(204.045)	
18,350,811	18,734,826	(384,015)	
(11,554,955)	(11,756,350)	201,394	
(1,514,019)	(362,014)	(1,152,005)	
5,281,836	6,616,462	(1,334,626)	Lower operating revenues and unfavorable working capital movements
-	-	-	
5,241,371	5,241,371	-	
(1,146,731)	(1,167,162)	20,431	
(2,081,771)	(2,254,324)	172,553	
2,012,869	1,819,885	192,984	Lower debt service
(1,556)	(3,070)	1,514	
(7,429,593)	(6,491,575)	(938,019)	
(7,431,149)	(6,494,644)	(936,505)	Higher capex
735,000	735,000	-	
(490,000)	(735,000)	245,000	
697,464	692,236	5,228	
942,464	692,236	250,228	Favorable financial activities
806,020	2,633,939	(1,827,918)	Lower cash from operations and higher capex

			Month			1	Subu	urban - Wastewat Year To Date	er				Full Year		
			WOUTH					rear 10 Date					ruii teai		
STATEMENTS OF ACTIVITIES	Actual	Q4 FC	Prior Year	FC Var	PY Var	Actual	Q4 FC	Prior Year	FC Var	PY Var	Actual	Budget	Prior Year	Bud Var	PY Var
Operating Revenues: User Charges	(770,585)	1,484,479	1,966,431	(2,255,065)	(2,737,016)	17,161,729	19,201,227	18,488,050	(2,039,498)	(1,326,321)	17,161,729	19,128,454	18,488,050	(1,966,725)	(1,326,321)
Connection & System Charges	(//0,565)	573,837	34,348	(573,837)	(34,348)	1,350,898	1,652,882	1,371,193	(301,985)	(20,296)	1,350,898	1,695,900	1,371,193	(345,003)	(20,296)
Other Miscellaneous Revenues	30	927	60	(897)	(30)	405	2,618	585	(2,213)	(180)	405	2,900	585	(2,495)	(180)
Total Operating Revenues	(770,555)	2,059,244	2,000,839	(2,829,799)	(2,771,394)	18,513,031	20,856,727	19,859,828	(2,343,696)	(1,346,797)	18,513,031	20,827,254	19,859,828	(2,314,223)	(1,346,797)
Operating Expenses:															
Personnel	163,474	(681)	194,176	(164,155)	30,702	1,740,883	1,740,118	1,811,893	(764)	71,010	1,740,883	1,766,601	1,811,893	25,718	71,010
Shared Services - General & Administrative	19,475	36,285	27,964	16,810	8,489	329,877	428,822	337,395	98,945	7,519	329,877	456,840	337,395	126,963	7,519
Utilities Materials and Supplies	9,917 45,156	29,756 66,506	19,041 48,503	19,839 21,351	9,124 3,348	263,757 378,342	320,045 472,867	238,267 391,409	56,288 94,525	(25,491) 13,068	263,757 378,342	313,870 518,722	238,267 391,409	50,113 140,380	(25,491) 13,068
Miscellaneous Services	631,258	828,470	1,351,624	197,211	720,366	7,030,638	7,492,424	7,678,739	461,786	648,101	7,030,638	7,631,090	7,678,739	600,452	648,101
Treatment and Transportation	388,812	457,731	275,000	68,919	(113,812)	5,507,107	5,519,486	3,903,664	12,379	(1,603,443)	5,507,107	4,529,540	3,903,664	(977,567)	(1,603,443)
Depreciation and Amortization	625,549	1,002,785	1,043,254	377,236	417,705	6,956,464	7,031,500	6,705,023	75,036	(251,440)	6,956,464	7,031,500	6,705,023	75,036	(251,440)
Major Maintenance Expenses Other Miscellaneous		22,100	(2,706) 133,968	22,100	(2,706) 133,968	-	22,100	133,968	22,100	133,968	_	22,100	133,968	22,100	133,968
Total Operating Expenses	1,883,642	2,442,952	3,090,824	559,311	1,207,183	22,207,067	23,027,362	21,200,358	820,295	(1,006,708)	22,207,067	22,270,263	21,200,358	63,196	(1,006,708)
	(0.554.45=)	(200 =6-)	(4 000 00-)	/a and 40-;	(4.554.046)	(2.504.05=)	(2.170.55-)	(4.040.50-)	4 500 40.	(0.050.50-)	(0.004.0==)	(4.440.05-)	/4 040 EG-'	(2.254.02-)	(2.252.55-)
Net Operating Profit	(2,654,197)	(383,709)	(1,089,986)	(2,270,488)	(1,564,211)	(3,694,035)	(2,170,635)	(1,340,530)	(1,523,401)	(2,353,505)	(3,694,035)	(1,443,009)	(1,340,530)	(2,251,026)	(2,353,505)
Non-Operating Income (Expense)															
Interest Income	53,480	404,820	46,670	(351,341)	6,809	636,313	632,188	454,362	4,125	181,951	636,313	130,271	454,362	506,042	181,951
Interest (Expense) Other Miscellaneous	(2,718) 4,318	(19,246) (72,749)	(12,920) 620,292	16,528 77,066	10,202 (615,975)	(136,537) 40,416	(178,764) (144,372)	(155,847) 707,714	42,227 184,788	19,311 (667,298)	(136,537) 40,416	(185,934) (134,047)	(155,847) 707,714	49,397 174,463	19,311 (667,298)
Net Non-Operating Income (Expense)	55,079	312,826	654,042	(257,747)	(598,963)	540,193	309,052	1,006,228	231,140	(466,036)	540,193	(189,710)	1,006,228	729,903	(466,036)
Net Income (Loss)	(2,599,118)	(70,883)	(435,943)	(2,528,235)	(2,163,175)	(3,153,843)	(1,861,583)	(334,302)	(1,292,260)	(2,819,541)	(3,153,843)	(1,632,719)	(334,302)	(1,521,124)	(2,819,541)
CACH FLOW CTATFAFAIT															
CASH FLOW STATEMENT Cash Flows From Operating Activities															
Operating Revenues	(770,555)	2,059,244	2,000,839	(2,829,799)	(2,771,394)	18,513,031	20,856,727	19,859,828	(2,343,696)	(1,346,797)	18,513,031	20,827,254	19,859,828	(2,314,223)	(1,346,797)
Operating Expenses (ex D&A)	(1,258,093)	(1,440,167)	(2,050,276)	182,074	792,183	(15,250,603)	(15,995,862)	(14,495,335)	745,259	(755,268)	(15,250,603)	(15,238,763)	(14,495,335)	(11,840)	(755,268)
Non-Cash Working Capital Changes Net Cash Provided by (Used in) Operating Activities	2,867,788 <b>839,140</b>	(2,304,174) (1,685,097)	1,062,098 1,012,661	5,171,962 <b>2,524,238</b>	1,805,690 (173,520)	4,821,472 8,083,901	(350,650) <b>4,510,215</b>	944,465 <b>6,308,959</b>	5,172,122 <b>3,573,685</b>	3,877,007 <b>1,774,942</b>	4,821,472 8,083,901	(200,000) 5,388,491	1,530,213 6,894,706	5,021,472 <b>2,695,410</b>	3,291,259 1,189,194
Cash Flows From Financing Activities	833,140	(1,083,037)	1,012,001	2,324,236	(173,320)	8,083,501	4,310,213	0,308,333	3,373,083	1,774,542	8,083,501	3,366,431	0,834,700	2,033,410	1,103,134
Capital Contributions	-	-	-	-	-	-	-	-	-	-	-	-	-	-	=
Proceeds New Borrowing	-	- (27.604)	- (42.242)	- 27.604	- 42.242	11,000,000	11,000,000	- (4.47.555)		11,000,000	11,000,000	7,175,000	- (4.47.555)	3,825,000	11,000,000
Interest Payments Principal Payments	-	(27,604) (189,163)	(12,243) (48,569)	27,604 189,163	12,243 48,569	(121,742) (2,878,132)	(185,934) (1,010,486)	(147,555) (576,341)	64,192 (1,867,646)	25,813 (2,301,791)	(121,742) (2,878,132)	(185,934) (1,010,486)	(147,555) (576,341)	64,192 (1,867,646)	25,813 (2,301,791)
Net Cash Provided by (Used in) Financing Activities	-	(216,767)	(60,811)	216,767	60,811	8,000,126	9,803,580	(723,896)	(1,803,454)	8,724,022	8,000,126	5,978,580	(723,896)	2,021,546	8,724,022
Cash Flows from Capital and Related Activities															
Non-Operating Income (Expenses) Capital Expenditures, net	4,318 (2,788,738)	(72,749) (3,539,145)	620,292 (1,727,916)	77,066 750,407	(615,975) (1,060,822)	40,416 (9,693,698)	(144,372) (10,587,357)	707,714 (4,486,108)	184,788 893,659	(667,298) (5,207,590)	40,416 (9,693,698)	(134,047) (11,516,250)	121,966 (4,486,108)	174,463 1,822,552	(81,550) (5,207,590)
Net Cash Provided By (Used In) Capital and Related Activities	(2,784,420)	(3,611,894)	(1,107,624)	827,473	(1,676,797)	(9,653,282)	(10,387,337)	(3,778,394)	1,078,447	(5,874,887)	(9,653,282)	(11,516,250)	(4,364,142)	1,997,015	(5,289,140)
Cash Flows From Investing Activities				•											
Investments Converting To Cash	-	1,670,000	499,000	(1,670,000)	(499,000)	2,408,000	2,408,000	6,129,174	-	(3,721,174)	2,408,000	500,000	6,129,174	1,908,000	(3,721,174)
Purchased Invesments Interest Income	53,480	(1,180,000) 404,820	(245,000) 46,670	1,180,000 (351,341)	245,000 6,809	(1,919,000) 636,313	(1,919,000) 632,188	(4,092,000) 454,362	4,125	2,173,000 181,951	(1,919,000) 636,313	130,271	(4,092,000) 454,362	(1,919,000) 506,042	2,173,000 181,951
Net Cash Provided By (Used In) Investing Activities	53,480	894,820	300,670	(841,341)	(247,191)	1,125,313	1,121,188	2,491,536	4,125	(1,366,223)	1,125,313	630,271	2,491,536	495,042	(1,366,223)
FUND NET CASH FLOWS	(1,891,800)	(4,618,937)	144,896	2,727,137	(2,036,696)	7,556,058	4,703,254	4,298,204	2,852,804	3,257,854	7,556,058	347,045	4,298,204	7,209,013	3,257,854
DEBT SERVICE RATIO															
Debt Service Ratio (Indenture Based)															
User Charges	(770,585)	1,484,479	1,966,431	(2,255,065)	(2,737,016)	17,161,729	19,201,227	18,488,050	(2,039,498)	(1,326,321)	17,161,729	19,128,454	18,488,050	(1,966,725)	(1,326,321)
Operating Expenses (Cash Based)	(1,258,093)	(1,440,167)	(2,047,570)	182,074	789,478	(15,250,603)	(15,995,862)	(14,495,335)	745,259	(755,268)	(15,250,603)	(15,238,763)	(14,495,335)	(11,840)	(755,268)
Interest Income Annual Lease Payment (City)	53,480	404,820	46,670 -	(351,341)	6,809	636,313	632,188	454,362 -	4,125 -	181,951	636,313	130,271	454,362	506,042	181,951
Non-Operating Revenues (Expenses)	4,348	502,016	654,700	(497,668)	(650,352)	1,391,719	1,511,128	2,079,492	(119,410)	(687,773)	1,391,719	1,564,753	2,079,492	(173,034)	(687,773)
Cash Available For Debt Service	(1,970,851)	951,149	620,231	(2,921,999)	(2,591,081)	3,939,157	5,348,681	6,526,569	(1,409,524)	(2,587,411)	3,939,157	5,584,715	6,526,569	(1,645,558)	(2,587,411)
Interest Paid	10,145	10,145	12,296		(2,151)	121,742	121,742	147,555		(25,813)	121,742	185,934	147,555	(64,192)	(25,813)
Debt Retirement (Principal Payments)	239,844	239,844	48,028	-	191,816	2,878,132	2,878,132	576,341	-	2,301,791	2,878,132	1,010,486	576,341	1,867,646	2,301,791
Total Debt Service	249,989	249,989	60,325	-	189,665	2,999,874	2,999,874	723,896	-	2,275,978	2,999,874	1,196,420	723,896	1,803,454	2,275,978
Debt Service Ratio	(7.88)	3.80	10.28	(11.69)	(18.17)	1.31	1.78	9.02	(0.47)	(7.70)	1.31	4.67	9.02	(3.35)	(7.70)

				Suburban - Wastewater
STATEMENTS OF ACTIVITIES	Actual	Q4 FC	FC Var	Comments
Operating Revenues:				
User Charges	17,161,729	19,201,227		Lower municipal charges
Connection & System Charges	1,350,898	1,652,882	(301,985)	
Other Miscellaneous Revenues	405	2,618	(2,213)	
Total Operating Revenues	18,513,031	20,856,727	(2,343,696)	Lower user charges and lower system charges
Operating Expenses:				
Personnel	1,740,883	1,740,118	(764)	
Shared Services - General & Administrative	329,877	428.822	98,945	
Utilities	263,757	320,045	56,288	
Materials and Supplies	378,342	472,867	94,525	
Miscellaneous Services	7,030,638	7,492,424	461,786	
Treatment and Transportation	5,507,107	5,519,486	12,379	
Depreciation and Amortization	6,956,464	7,031,500	75,036	
Major Maintenance Expenses	-	-		
Other Miscellaneous	_	22,100	22,100	
Total Operating Expenses	22,207,067	23,027,362	820,295	Almost entirely favorable across the board
rotal operating Expenses	22,207,007	23,027,302	020,233	Almost citarety ravorable across the board
Net Operating Profit	(3,694,035)	(2,170,635)	(1,523,401)	Lower operating revenues
Non-Operating Income (Expense)				
Interest Income	C2C 242	C22 100	4.125	
Interest (Expense)	636,313	632,188	4,125	
Other Miscellaneous	(136,537)	(178,764)	42,227	
Net Non-Operating Income (Expense)	40,416 <b>540,193</b>	(144,372) <b>309,052</b>	184,788 <b>231,140</b>	
Net Non-Operating income (Expense)	340,133	303,032	231,140	
Net Income (Loss)	(3,153,843)	(1,861,583)	(1,292,260)	Lower net operating profit a little offset by favorable financial activity
CASH FLOW STATEMENT				
Cash Flows From Operating Activities				
Operating Revenues	18,513,031	20,856,727	(2,343,696)	
Operating Expenses (ex D&A)	(15,250,603)	(15,995,862)	745,259	
Non-Cash Working Capital Changes	4,821,472	(350,650)	5,172,122	
Net Cash Provided by (Used in) Operating Activities	8,083,901	4,510,215	3,573,685	Lower net operating income more than offset by favorable working capital movements
Cash Flows From Financing Activities				
Capital Contributions	-	-	-	
Proceeds New Borrowing	11,000,000	11,000,000	-	
Interest Payments	(121,742)	(185,934)	64,192	
Principal Payments	(2,878,132)	(1,010,486)	(1,867,646)	
Net Cash Provided by (Used in) Financing Activities	8,000,126	9,803,580	(1,803,454)	Higher debt service
Cash Flows from Capital and Related Activities				
Non-Operating Income (Expenses)	40,416	(144,372)	184,788	
Capital Expenditures, net	(9,693,698)	(10,587,357)	893,659	
Net Cash Provided By (Used In) Capital and Related Activities	(9,653,282)	(10,731,729)	1,078,447	Lower capex
Cash Flows From Investing Activities				
Investments Converting To Cash	2,408,000	2,408,000	-	
Purchased Investments	(1,919,000)	(1,919,000)	-	
Interest Income	636,313	632,188	4,125	
Net Cash Provided By (Used In) Investing Activities	1,125,313	1,121,188	4,125	
FUND NET CASH FLOWS	7,556,058	4,703,254	2,852,804	Higher cash from operating activities and lower capex offset partly by higher debt service

						_		City Division							
•			Month					Year To Date					Full Year		
STATEMENTS OF ACTIVITIES	Actual	Q4 FC	Prior Year	FC Var	PY Var	Actual	Q4 FC	Prior Year	FC Var	PY Var	Actual	Budget	Prior Year	Bud Var	PY Var
Operating Revenues: User Charges	4,946,519	3,120,858	4,899,868	1,825,661	46,651	58,218,846	56,080,070	52,162,410	2,138,776	6,056,436	58,218,846	55,555,506	52,162,410	2,663,340	6,056,436
Connection & System Charges	235,017	745,185	1,158,118	(510,167)	(923,101)	3,020,974	3,529,115	5,487,746	(508,142)	(2,466,772)	3,020,974	3,609,600	5,487,746	(588,626)	(2,466,772)
Other Miscellaneous Revenues	40,406	2,026	38,267	38,380	2,138	254,620	86,448	182,595	168,172	72,025	254,620	89,800	182,595	164,820	72,025
Total Operating Revenues	5,221,942	3,868,069	6,096,254	1,353,873	(874,312)	61,494,440	59,695,634	57,832,751	1,798,806	3,661,690	61,494,440	59,254,906	57,832,751	2,239,534	3,661,690
Operating Expenses:  Personnel	1,113,202	1,481,830	1,277,168	368,628	163,966	11,840,977	13,927,623	11,576,407	2,086,646	(264,570)	11,840,977	13,986,737	11,576,407	2,145,760	(264,570)
Shared Services - General & Administrative	141,385	219,866	148,864	78,481	7,479	2,127,009	2,446,827	2,040,469	319,817	(86,540)	2,127,009	2,545,190	2,040,469	418,181	(86,540)
Utilities	69,780	350,083	122,946	280,302	53,166	1,833,941	2,018,931	1,898,483	184,990	64,543	1,833,941	2,063,922	1,898,483	229,981	64,543
Materials and Supplies	164,477	455,793	432,095	291,316	267,618	3,081,830	3,280,826	3,218,805	198,996	136,975	3,081,830	3,251,300	3,218,805	169,470	136,975
Miscellaneous Services	156,808	390,773	497,654	233,965	340,846	1,936,805	2,332,686	2,247,835	395,882	311,030	1,936,805	2,397,011	2,247,835	460,206	311,030
Treatment and Transportation Depreciation and Amortization	765,849	600 917,960	1,053,413	600 152,111	287,564	11,933 6,437,020	12,000 6,260,297	11,307 6,755,624	67 (176,722)	(626) 318,604	11,933 6,437,020	11,400 6,169,850	11,307 6,755,624	(533) (267,170)	(626) 318,604
Major Maintenance Expenses	1,126	3,987,631	(843,590)	3,986,505	(844,716)	38,038	4,000,000	0,733,024	3,961,962	(38,038)	38,038	4,000,000	0,733,024	3,961,962	(38,038)
Other Miscellaneous	-,	-	5,782,103	-	5,782,103	-	-	5,782,103	-	5,782,103	-	-	5,782,103	-	5,782,103
Total Operating Expenses	2,412,627	7,804,536	8,470,653	5,391,909	6,058,026	27,307,553	34,279,190	33,531,033	6,971,637	6,223,480	27,307,553	34,425,410	33,531,033	7,117,857	6,223,480
Net Operating Profit	2,809,315	(3,936,467)	(2,374,399)	6,745,782	5,183,714	34,186,888	25,416,445	24,301,718	8,770,443	9,885,170	34,186,888	24,829,496	24,301,718	9,357,392	9,885,170
Non-Operating Income (Expense)															
Interest Income	483,059	4,268,125	342,986	(3,785,065)	140,074	5,755,319	5,797,689	3,466,498	(42,369)	2,288,821	5,755,319	984,881	3,466,498	4,770,438	2,288,821
Interest (Expense)	(1,710,759)	(4,271,723)	(4,466,401)	2,560,963	2,755,641	(16,783,652)	(19,703,642)	(19,980,878)	2,919,990	3,197,226	(16,783,652)	(19,703,642)	(19,980,878)	2,919,990	3,197,226
Other Miscellaneous	= '	8,733,578	12,740	(8,733,578)	(12,740)	(5,408,167)	5,001,417	<u> </u>	(10,409,584)	(5,408,167)	(5,408,167)	8,733,892	<u> </u>	(14,142,059)	(5,408,167)
Net Non-Operating Income (Expense)	(1,227,700)	8,729,980	(4,110,675)	(9,957,680)	2,882,975	(16,436,500)	(8,904,536)	(16,514,379)	(7,531,963)	77,880	(16,436,500)	(9,984,869)	(16,514,379)	(6,451,631)	77,880
Net Income (Loss)	1,581,615	4,793,513	(6,485,074)	(3,211,898)	8,066,689	17,750,388	16,511,908	7,787,339	1,238,480	9,963,049	17,750,388	14,844,627	7,787,339	2,905,761	9,963,049
CASH FLOW STATEMENT															
Cash Flows From Operating Activities															
Operating Revenues	5,221,942	3,868,069	6,096,254	1,353,873	(874,312)	61,494,440	59,695,634	57,832,751	1,798,806	3,661,690	61,494,440	59,254,906	57,832,751	2,239,534	3,661,690
Operating Expenses (ex D&A)	(1,645,653)	(2,898,945)	(8,260,831)	1,253,292	6,615,178	(20,832,495)	(24,018,892)	(26,775,409)	3,186,398	5,942,914	(20,832,495)	(24,255,560)	(26,775,409)	3,423,065	5,942,914
Non-Cash Working Capital Changes	(8,695,219)	3,507,327	4,749,360	(12,202,546)	(13,444,579)	(13,193,607)	(991,352)	3,580,831	(12,202,255)	(16,774,438)	(13,193,607)	(135,999)	3,580,831	(13,057,608)	(16,774,438)
Net Cash Provided by (Used in) Operating Activities Cash Flows From Financing Activities	(5,118,930)	4,476,451	2,584,784	(9,595,380)	(7,703,713)	27,468,338	34,685,390	34,638,172	(7,217,051)	(7,169,834)	27,468,338	34,863,347	34,638,173	(7,395,008)	(7,169,834)
Capital Contributions	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
Proceeds New Borrowing	-	-	-	=	-	55,000,000	55,000,000	1,371,118	=	53,628,882	55,000,000	8,555,508	1,371,118	46,444,492	53,628,882
Interest Payments	-	(6,775,545)	(5,951,378)	6,775,545	5,951,378	(4,339,771)	(13,318,734)	(11,695,732)	8,978,963	7,355,961	(4,339,771)	(13,315,397)	(11,695,732)	8,975,626	7,355,961
Principal Payments	=	3,341,934	(2,201,768)	(3,341,934)	2,201,768	(749,566)	(2,945,000)	(2,222,407)	2,195,434	1,472,841	(749,566)	(2,945,000)	(2,222,407)	2,195,434	1,472,841
Net Cash Provided by (Used in) Financing Activities Cash Flows from Capital and Related Activities	-	(3,433,611)	(8,153,145)	3,433,611	8,153,145	49,910,662	38,736,266	(12,547,021)	11,174,396	62,457,683	49,910,662	(7,704,889)	(12,547,021)	57,615,551	62,457,683
Non-Operating Income (Expenses)	_	8,733,578	(5,200)	(8,733,578)	5,200	(5,408,167)	3,693,193	(1,361,180)	(9,101,360)	(4,046,987)	(5,408,167)	7,425,668	(1,361,180)	(12,833,835)	(4,046,987)
Capital Expenditures, net	(4,619,444)	(13,272,333)	(3,269,192)	8,652,889	(1,350,252)	(18,426,632)	(27,080,200)	(10,368,819)	8,653,568	(8,057,813)	(18,426,632)	(32,628,500)	(10,368,819)	14,201,869	(8,057,813)
Net Cash Provided By (Used In) Capital and Related Activities	(4,619,444)	(4,538,755)	(3,274,392)	(80,688)	(1,345,052)	(23,834,798)	(23,387,007)	(11,729,999)	(447,792)	(12,104,800)	(23,834,798)	(25,202,832)	(11,729,999)	1,368,034	(12,104,800)
Cash Flows From Investing Activities															
Investments Converting To Cash Purchased Invesments	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Interest Income	483,059	4,268,125	342,986	(3,785,065)	140,074	5,755,319	5,797,689	3,466,498	(42,369)	2,288,821	5,755,319	984,881	3,466,498	4,770,438	2,288,821
Net Cash Provided By (Used In) Investing Activities	483,059	4,268,125	342,986	(3,785,065)	140,074	5,755,319	5,797,689	3,466,498	(42,369)	2,288,821	5,755,319	984,881	3,466,498	4,770,438	2,288,821
FUND NET CASH FLOWS	(9,255,314)	772,209	(8,499,768)	(10,027,523)	(755,546)	59,299,522	55,832,338	13,827,651	3,467,184	45,471,870	59,299,522	2,940,507	13,827,652	56,359,015	45,471,870
DEBT SERVICE RATIO															
Debt Service Ratio (Indenture Based)															
User Charges	4,946,519	3,120,858	4,899,868	1,825,661	46,651	58,218,846	56,080,070	52,162,410	2,138,776	6,056,436	58,218,846	55,555,506	52,162,410	2,663,340	6,056,436
Operating Expenses (Cash Based)	(1,646,779)	(6,886,576)	(7,417,241)	5,239,797	5,770,462	(20,870,533)	(28,018,892)	(26,775,409)	7,148,359	5,904,876	(20,870,533)	(24,255,560)	(26,775,409)	3,385,027	5,904,876
Interest Income	483,059	4,268,125	342,986	(3,785,065)	140,074	5,755,319	5,797,689	3,466,498	(42,369)	2,288,821	5,755,319	984,881	3,466,498	4,770,438	2,288,821
Annual Lease Payment (City)	(109,019) 275,423	(109,019) 9,480,789	(113,432) 1,209,126	(9,205,365)	4,413 (933,703)	(1,308,224) (2,132,573)	(12,210,091) 8,616,981	(1,361,180) 5,670,340	10,901,867 (10,749,554)	52,956 (7,802,913)	(1,308,224) (2,132,573)	(1,308,224) 3,699,400	(1,361,180) 5,670,340	(5,831,973)	52,956 (7,802,913)
Non-Operating Revenues (Expenses)  Cash Available For Debt Service	3,949,204	9,480,789	(1,078,692)	(5,924,973)	5,027,896	39,662,836	30,265,757	33,162,660	9,397,079	6,500,176	39,662,836	34,676,003	33,162,660	4,986,833	6,500,176
	.,,	.,,	, , , , , , , , ,		, ,	,,			, , , , , , ,	, , , , , , ,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, -,		,,	.,,
Interest Paid	1,109,894	1,109,894	974,644	-	135,250	13,318,734	13,318,734	11,695,732	-	1,623,002	13,318,734	13,315,397	11,695,732	3,337	1,623,002
Debt Retirement (Principal Payments)	245,417	245,417	185,201	=	60,216	2,945,000	2,945,000	2,222,407	=	722,593	2,945,000	2,945,000	2,222,407		722,593
Total Debt Service	1,355,311	1,355,311	1,159,845	-	195,466	16,263,734	16,263,734	13,918,139	-	2,345,595	16,263,734	16,260,397	13,918,139	3,337	2,345,595
Debt Service Ratio	2.91	7.29	(0.93)	(4.37)	3.84	2.44	1.86	2.38	0.58	0.06	2.44	2.13	2.38	0.31	0.06

STATEMENTS	OF ACTIVITIES

Operating Revenues:

User Charges
Connection & System Charges
Other Miscellaneous Revenues
Total Operating Revenues

#### Operating Expenses:

Personnel Shared Services - General & Administrative

Utilities

Materials and Supplies
Miscellaneous Services

Treatment and Transportation

Depreciation and Amortization

Major Maintenance Expenses Other Miscellaneous

#### Total Operating Expenses

**Net Operating Profit** 

#### Non-Operating Income (Expense)

Interest Income Interest (Expense)

Other Miscellaneous Net Non-Operating Income (Expense)

#### Net Income (Loss)

CASH FLOW STATEMENT
Cash Flows From Operating Activities
Operating Revenues
Operating Expenses (ex D&A)
Non-Cash Working Capital Changes

## Net Cash Provided by (Used in) Operating Activities Cash Flows From Financing Activities

Capital Contributions
Proceeds New Borrowing

# Proceeds New Borrowing Interest Payments Principal Payments Net Cash Provided by (Used in) Financing Activities Cash Flows from Capital and Related Activities Non-Operating Income (Expenses) Capital Expenditures, net

Net Cash Provided By (Used In) Capital and Related Activities Cash Flows From Investing Activities

Investments Converting To Cash Purchased Invesments

Interest Income

Net Cash Provided By (Used In) Investing Activities

#### FUND NET CASH FLOWS

			City Division
			,
Actual	Q4 FC	FC Var	Comments
58,218,846	56,080,070	2,138,776	Higher municipal charges
3,020,974	3,529,115	(508,142)	Lower development reimbursement
254,620	86,448	168,172	
61,494,440	59,695,634	1,798,806	Higher user charges partially offset by lower system charges
11,840,977	13,927,623	2,086,646	
2,127,009	2,446,827	319,817	
1,833,941	2,018,931	184,990	
3,081,830	3,280,826	198,996	
1,936,805	2,332,686	395,882	
11,933	12,000	67	
6,437,020	6,260,297	(176,722)	
38,038	4,000,000	3,961,962	
-	-	-	
27,307,553	34,279,190	6,971,637	All discretionary categories favorable
34,186,888	25,416,445	8,770,443	Higher operating revenues and lower operating expenses
5 755 240	5 707 600	(42.250)	
5,755,319	5,797,689	(42,369)	
(16,783,652)	(19,703,642)	2,919,990	
(5,408,167)	5,001,417	(10,409,584)	lie I I I I I I I I I I I I I I I I I I I
(16,436,500)	(8,904,536)	(7,531,963)	Higher loan fees on larger borrowing
17 750 200	16 511 000	1 220 400	Higher net operating income offset by unfavorable financial activity
17,750,388	16,511,908	1,238,480	righer het operating income offset by unfavorable financial activity

_				
	61,494,440	59,695,634	1,798,806	
	(20,832,495)	(24,018,892)	3,186,398	
	(13,193,607)	(991,352)	(12,202,255)	
	27,468,338	34,685,390	(7,217,051)	Unfavorable working capital movements
	-	-	-	
	55,000,000	55,000,000	-	
	(4,339,771)	(13,318,734)	8,978,963	
	(749,566)	(2,945,000)	2,195,434	
	49,910,662	38,736,266		Favorable debt service
	,,			
	(5,408,167)	3,693,193	(9,101,360)	
	(18,426,632)	(27,080,200)	8,653,568	
	(23,834,798)	(23,387,007)		Lower Capex more than offset by unfavorable financial activity
	-	-	-	
	_	_	_	
	5,755,319	5,797,689	(42,369)	
	5,755,319	5,797,689	(42,369)	
			. , , , , ,	
				Lower cash from operations aided by lower debt service and lower capex with a partial offset from
	59,299,522	55,832,338	3.467.184	unfavorable financial activity

#### LEHIGH COUNTY AUTHORITY CASH & INVESTMENT SUMMARY For the Period Ended December 31, 2024

Cash
Operating
Unrestricted
Restricted
Total Operating
Capital
Unrestricted
Restricted
Total Capital
Other Restricted
Debt Reserves
Escrow - Developer Deposits
Total Other Restricted
Total Cash
Investments
Operating
Unrestricted
Restricted
Total Operating
Capital
Unrestricted
Restricted
Total Capital
Other Restricted
Debt Reserves
Escrow
Total Other Restricted
Total Investments
Total Cash and Investments
Summary
Cash
Unrestricted

Restricted **Total Cash** Investments Unrestricted Restricted **Total Investments Total Cash and Investments** 

	Suburbar	n		
• • • • •	Water 124	2024	2023	12/31/2024
Actual Fore	ecast	Budget	Actual	Actual
(3,103,000) 10,4	195,080	13,136,985	8,385,525	718,687
(3,103,000) 10,4	195,080	13,136,985	8,385,525	718,687
40.000.405		240 740	224 254	47.040.404
12,823,185	321,054	319,718	321,054	17,040,431 829,253
12,823,185	321,054	319,718	321,054	17,869,685
		,		
	184,599	1,656,568	1,660,215	-
	166,386	218,888	466,386	7,764
1,919,015 2,6	550,984	1,875,456	2,126,600	7,764
11,639,200 13,4	167,119	15,332,159	10,833,179	18,596,136
	,	,,		
1,724,052 2,0	22,946	1,945,069	2,022,946	7,278,350
4 724 052 27	-	1.045.000	2 022 046	7 270 250
1,724,052 2,0	)22,946	1,945,069	2,022,946	7,278,350
1,122,019 1,0	000,184	1,000,000	1,000,184	-
<u> </u>	· -	· · ·	-	-
1,122,019 1,0	000,184	1,000,000	1,000,184	-
-	-	-	-	_
-	-	-	-	-
2,846,071 3,0	23,129	2,945,069	3,023,129	7,278,350
14,485,271 16,4	190,248	18,277,228	13,856,308	25,874,486
14,463,271 10,4	30,240	10,277,220	13,830,308	23,874,480
9,720,184 10,8	316,134	13,456,703	8,706,579	17,759,119
	550,984	1,875,456	2,126,600	837,017
11,639,200 13,4	167,119	15,332,159	10,833,179	18,596,136
2.046.074	122 120	2.045.060	2 022 120	7 270 250
2,846,071 3,0	023,129	2,945,069	3,023,129	7,278,350
2,846,071 3,0	23,129	2,945,069	3,023,129	7,278,350
14,485,271 16,4	190,248	18,277,228	13,856,308	25,874,486

Subur			
Wastev 2024	2024	2023	12,
Forecast	Budget	Actual	12,
15,344,540	3,976,076	3,779,293	1
3,437 15,347,977	317 3,976,393	2,708 3,782,000	10
13,347,377	3,370,333	3,782,000	10
-	5,955,385	6,862,722	
338,677	338,360	338,677	
338,677	6,293,745	7,201,399	
-	-	-	3
56,678	252,969	56,678	
56,678	252,969	56,678	3
45 740 000	10 500 107	44.040.077	
15,743,332	10,523,107	11,040,077	14
8,884,467	6,584,624	6,965,467	
-	-	-	
8,884,467	6,584,624	6,965,467	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
8,884,467	6,584,624	6,965,467	
24,627,798	17,107,731	18,005,544	14
45 244 540	0.024.464	10 642 045	1
15,344,540 398,792	9,931,461 591,646	10,642,015 398,062	12
	10,523,107	11,040,077	14
8,884,467	6,584,624	6,965,467	
0.004.467	6 504 624	- C DCE 467	
8,884,467	6,584,624	6,965,467	
24,627,798	17,107,731	18,005,544	14

City Division									
12/31/2024 Actual	2024 Forecast	2024 Budget	2023 Actual						
19,271,292	24,886,500	15,263,906	13,483,582						
87,196,812	24,886,500	25,438,613	33,121,646						
106,468,104	50,624,427	40,702,519	46,605,229						
660,980	54,804,198	3,022,601	3,022,601						
7,526,754	7,531,579	7,500,035	7,500,035						
8,187,733	62,335,777	10,522,636	10,522,636						
0,201,100	//								
24 000 765	20 004 546	20 225 402	20.004.546						
31,800,765 7,407	30,004,516	28,335,482	30,004,516						
31,808,171	32,106 30,036,622	32,090 28,367,571	32,106 30,036,622						
31,000,171	30,030,022	20,307,371	30,030,022						
146,464,009	142,996,826	79,592,726	87,164,487						
-	_	_	-						
-	-	-	_						
-	-	-	-						
_	_	_	_						
-	-	-	-						
-	-	-	-						
_	_	_	_						
-	-	-	-						
-	=	=	=						
-	-	-	-						
146,464,009	142,996,826	79,592,726	87,164,487						
19,932,272	79,690,698	18,286,506	16,506,183						
126,531,737	63,306,128	61,306,220	70,658,304						
146,464,009	142,996,826	79,592,726	87,164,487						
-	-	-	-						
-	-	-	-						
146,464,009	142,996,826	79,592,726	87,164,487						

	Tot	al	
12/31/2024	2024	2024	2023
Actual	Forecast	Budget	Actual
16,703,054 87.196.812	50,440,210 25.741.364	32,376,967 25.438.930	25,648,
103,899,866	76,181,574	57,815,897	33,124 58,772
30,524,596	55,125,252	9,297,704	10,206,
8,356,007	7,870,256	7,838,396	7,838,
38,880,603	62,995,508	17,136,099	18,045
33,459,102	32,189,115	29,992,050	31,664,
275,849	555,169	503,947	555,
33,734,951	32,744,284	30,495,996	32,219
176,515,419	171,921,366	105,447,992	109,037,
9,002,402	10,907,412	8,529,693	8,988
9,002,402	10,907,412	8,529,693	8,988
1,122,019	1,000,184	1,000,000	1,000
1,122,019	1,000,184	1,000,000	1,000
-	-	-	
-	-		
10,124,421	11,907,596	9,529,693	9,988,
186,639,840	183,828,961	114,977,685	119,026,
100,000,010	100,020,001	114,577,005	115,020
47,227,650 129,287,769	105,565,462 66,355,904	41,674,670 63,773,322	35,568 73,182
176,515,419	171,921,366	105,447,992	108,751
10,124,421	11,907,596	9,529,693	9,988
10,124,421	11,907,596	9,529,693	9,988
186,639,840	183,828,961	114,977,685	118,740

#### **CERTIFICATES OF DEPOSIT**

DEC 2024

Fund Bank Location Amount Purchase Due %					Gross	Date of	Date	net Rate
	_	Fund	Bank	Location	Amount	Purchase	Due	

NONE

#### DEVELOPMENT ACTIVITY

#### Water system construction is occurring in the following developments:

7649 Penn Drive, Warehouse expansion, water, UMT

6681 Snowdrift Road, Warehouse expansion, water, UMT

8323/8449 Congdon Hill Drive, 2 industrial lots with warehouses, LMT

Advanced Health Care of Allentown, 1 commercial lot, LMT

Glenlivet Drive West Main extension and subdivision UMT

Hidden Meadows - Phase 3, 20 townhouse units, UMT

Fallbrooke Residential Subdivision, 90 sf residential units, UMT

Fields at Indian Creek, Phases 4 & 5, 86 residential units (sfd), water and sewer, UMilT & Emmaus

Kohler Tract, 123 residential lots (sfa), water and sewer, UMilT

Laurel Fields Phase 5 25 townhouses (sfd) UMT

Lehigh Hills, Lot 5 Phase 2, 240 residential units (sfd.), UMT

Lehigh Hills Townhouses, 24 townhouse units (sfa), UMT

Macungie Crossings Unit 2 6 commercial units, LMT

Madison Village at Penn's View, 66 manufactured homes, 1 lot, water and sewer, LynnT

Mertztown Residential Subdivision, 264 sf units & 136 townhouse units, LMT

Mosser Road 10 Townhouses, UMT

Mountain View Estates, 27 residential units (sfd), LMT

Parkland Crossings Main Extension 144 Town homes UMT

Sauerkraut Lane Extension, Roadway & water line extension, LMT

Spring Creek Estates 2022 Apartments, LMT

Towneplace Suites by Marriott, 91-room hotel, UMT

Transedge Truck Center, Warehouse, UMT

Trexler Point (Towns at Schaefer Run) 128 Townhouses UMT

Upper Macungie Community Center UMT commercial lot, water and Main Extension

Woodmont Valley 2, 129 apartment units (former Allen Organ Co.) LMT

Wrenfield Townhouses 98 Townhomes UMT

7150 Ambassador Drive 1 lot, Warehouse expansion, UMT

7991 Quarry Road 1 lot, Warehouse, LMT

#### Water system plans are being reviewed for the following developments:

405 Nestle Way Blue Triton Trailer Enterance, Warehouse, UMT

110 PA Route 100, Lehigh Valley West 57, Warehouse, UMT

1321 Rising Sun Road, 110 Single family homes, Sewer NWT

3121 Rt 309 Nexus 78, NWT, warehouse

1470 Brookside Road, 9 Single Family Homes, LMT

2024 Elbow lane single home,LMT

2619 Grove Street Sewer Main Extension, Washington Township

2766 Route 100, Warehouse, Watermain extention, Lowhill Township

3400 Brookside Road, Indian Creek- 26 Single family homes-Main extension, LMT

3952 Independence Drive,NW

4054 Chestnut Street Single connection, Umilford

6045 Reppert Lane 24 Town Homes, UMT

7150 Hamilton Blvd, Bank, UMT

Valley at Indian Creek 3510 Macungie Road 22 Single family homes-LMT

5329-5347-5357 Hamilton Blvd., 1 commercial lot, LMT

Air Products & Chemicals-Cetronia Road, 1 commercial lot, UMT

ATAS International, 1 industrial lot, UMT

Bandit Truck Stop Sewer Main Extension, WT

Carriage East Residential Development, 11 residential units, (sfd), UMT  $\,$ 

Cove at Millbrook,16 Single Homes, LMT

Fields at Emmaus 78 Town Homes, UMT

Grant Street Townes, 18 Townhouse, WT

Grant Way Building Expansion,UMT

Iron Run Estates 58 Single Home, LMT

Hamilton Square 2 Commercial Lots LMT

 $\label{thm:eq:heights 10 Townhouses water ext on lot septic, HH} \\$ 

Hidden Meadows - Phase 3, 20 townhouse units, UMT

Krocks Road Mixed use development

Lehigh Valley Town Center, Mixed use development, UMT Ridings at Parkland Phase 2, 44 Single Homes. NWT

Schoeneck Road, Lot 1, 1 lot, warehouse, LMT

Spring Creek Lot 12 1 Commercial Lot,LMT

The Annex at Fields at Indian Creek, 22 sf residential units, Emmaus Borough

Towns At Schaefer Run, 128 townhouse unit (sfa), UMT

Twin Ponds 8739 Hamilton Blvd 22 Apts and 1 Daycare UMT

PA Turnpike Lehigh Valley Interchange, UMT, Removal of domestic line.

Western Lehigh Development, LMT Garage and office,

V Parkland 9230 Long Lane, 16 Single family homes, UMT.

#### Sewage Facilities Planning Modules Reviewed in Prior Month:

Sewage racinities riamining inodules neviewed in rition informs.			GI D
Northridge School	1600 Hanover Ave	Allentown	9,734
760 E Paoli St Minor Subdivision	760 E Paoli St	Salisbury	238
900 E Paoli St Minor Subdivision	900 E Paoli St	Salisbury	238
Lobst Lot Line Adjustment 413, 435 & 437 S 5th St	413, 435 & 437 S 5th St	Emmaus	0

CDD