



LCA Main Office:
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Wescosville, PA 18106
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Agendas & Minutes Posted:
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LEHIGH COUNTY AUTHORITY

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BOARD MEETING AGENDA – February 23, 2026 – 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 LCABoard@lehighcountyauthority.org in advance of any meeting or view the meeting at a later time by visiting the LCA website. Please visit <https://www.lehighcountyauthority.org/about/lca-board-meeting-videos/> 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

- *February 9, 2026 Board Meeting minutes*

4. Committee Reports

5. Public Comments

6. Action / Discussion Items:

FINANCE AND ADMINISTRATION

- *Board of Directors - Election of Officers (Election Vote)*
- *Safety Process and Procedures (Discussion)*

WATER

- *Suburban Division – Applewood Pump Station and CLD Well Station Upgrades (Approval) (green) (digital Board packet, pages 9-19)*
- *Allentown Division – Large Diameter Valve Rehabilitation & Replacement Program (Approval) (blue) (digital Board packet, pages 20-23)*
- *Allentown Division - WFP HVAC Upgrade Phase 2 (Approval) (yellow) (digital Board packet, pages 24-34)*

WASTEWATER

- *Suburban Division – Industrial Pretreatment Plant Master Plan (Discussion)*
- *Suburban Division KISS Act 537 – Upper Western Lehigh Pump Station & Force Main (Approval) (salmon) (digital Board packet, pages 35-41)*

7. Monthly Project Updates / Information Items (1st Board meeting per month)
8. Monthly Financial Review (2nd Board meeting per month) (*digital Board packet, pages 42-55*) – **December 2025 report attached**
9. Monthly System Operations Overview (2nd Board meeting per month) (*digital Board packet, pages 56-57*) – **January 2026 report attached**
10. Staff Comments
11. Solicitor’s Comments
12. Public Comments / Other Comments
13. Board Member Comments
14. Executive Sessions
15. Adjournment

UPCOMING BOARD MEETINGS		
March 9, 2026	March 23, 2026	April 13, 2026

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 February 9, 2026

The Regular Meeting of the Lehigh County Authority Board of Directors was called to order at 12:00 p.m. on Monday, February 9, 2026, Chairman Amir Famili presiding. The meeting was held via video and audio advanced communication technology ("ACT"), using the Zoom internet application, including telephone option, due to the winter storm emergency currently in effect. 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 via ACT, using the Zoom internet application, including telephone option. A Roll Call of Board members present was taken. Amir Famili, Jeff Morgan, Ted Lyons, Linda Rosenfeld, and Peter Dent were present for Roll Call and remained for the duration of the meeting. Sean Ziller was present for Roll Call and remained in the meeting until 1:00 p.m., and then returned to the meeting at 1:25 p.m. Kevin Baker entered the meeting at 12:04 p.m. and was present for the duration of the meeting.

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

Chairman Famili 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 there are no changes to the agenda; however, there will be an Executive Session at the conclusion of the regular meeting to discuss a matter with the Solicitor.

Customer Bill Dispute Hearing

Kevin Reid, the Authority's Solicitor, served as the Hearing Officer for today's hearing regarding a billing dispute between Mr. Shondale Lewis and the Authority regarding a property at 747 N. Lumber Street in Allentown. Attorney Reid explained the hearing process. Mr. Lewis would be representing himself, and the Authority administration would be represented by the staff members present. The Board of Directors has no prior knowledge of the facts of the case and will hear presentations from Mr. Lewis and the Authority administration. After both parties have had a chance to present their evidence and testimony, the Board will have an opportunity to ask questions and will then make a determination and decision.

Brooke Neve, Deputy Director of Customer Care for the Authority, provided the administration's accounting of the situation. She provided an exhibit detailing the customer's account information from January 2025 to present, listing the billing and charges on the account. She explained how the penalties are calculated, and she noted these procedures are listed on the back of all bills. Mr. Lewis had no questions for the Authority administration.

Sean Ziller asked if a notice is sent out each time a penalty is applied. Ms. Neve said a notice is sent out with each penalty application. Mr. Famili asked the age of the meter and when was it last serviced for accuracy. Ms. Neve said she does not know the age of the meter; however, an older meter tends to read slower giving the customer an advantage.

Mr. Lewis stated that he is the owner of the property and he is not here to dispute the charges. He told the Board that he had a financial setback regarding the property and has been working to bring the property back into compliance with the City of Allentown. He said he is asking for a realistic way to catch up on the Authority water and sewer bill without a service interruption.

Jeff Morgan asked if his water had been shut off in the past and if so, how often. Mr. Lewis said his water service has not been shut off in the past and that he has not been offered a way to catch up and make payments on his bill. Chairman Famili asked if he is disputing the amount of usage on the bill. Mr. Lewis said he is not. Sean Ziller asked if Mr. Lewis was offered a payment plan or anything of the like. Mr. Lewis said no. Peter Dent asked if Mr. Lewis resides at the property. He said no, he has a tenant living there.

Liesel Gross explained that during the course of communication with Mr. Lewis over several months, the Authority never received a request for a payment plan or any other relief other than Mr. Lewis' requests for full vacation of the amount due. She said the request from Mr. Lewis was to drop the balance to zero which was denied by the Authority. Ms. Gross also noted that a payment plan would be offered had it been requested by Mr. Lewis. Sean Ziller asked if it is clear to the customer that they have an option to request a payment plan. Liesel Gross said that customers are encouraged to contact the Authority to discuss their options if they are having difficulty paying, and this offer is included in every notice issued to the customer. There is also an option from the Authority's hardship grant program to assist customers who are having a hard time paying their bill. Jeff Morgan asked if the bills go directly to Mr. Lewis in Easton or to the tenant. Mr. Lewis said the bills are sent to his address in Easton. Linda Rosenfeld asked Mr. Lewis if the same tenant has resided in the property during the period in question. Mr. Lewis confirmed the same tenant has been living in the property for a long time.

Kevin Reid inquired if there were any additional questions from the Board to either Mr. Lewis or the Authority administration. There were none.

The hearing was closed at 12:23 p.m. Kevin Reid said that the Board will make a decision and a written decision will be prepared and sent out to the parties.

Immediately following the hearing, Gail Seymour, a Lehigh County resident and Authority customer, was present and stated that she had an issue regarding service she has received from the Authority and wanted to know who she could speak with about the situation. Liesel Gross advised Ms. Seymour that the next step would be for her to meet with the Authority's Deputy Director of Customer Care, Brooke Neve. Ms. Neve offered to meet with Ms. Seymour immediately following the close of the hearing, to which Ms. Seymour agreed.

APPROVAL OF MINUTES

January 26, 2026 Meeting Minutes

On a motion by Linda Rosenfeld, seconded by Jeff Morgan, the Board approved the minutes from the January 26, 2026 meeting as presented (7-0).

PUBLIC COMMENTS

None.

Resolution No. 1-2026-1: Authorizing Statewide Local Share Assessment Grant application for equipment purchase

Liesel Gross reviewed Resolution 1-2026-1, which has been revised from a previous resolution approved in October. The resolution is required to complete a submission for the Statewide Local Share Assessment grant to purchase equipment. The application is described in the Resolution and describes specifically the vehicles and equipment that may be purchased under this grant to support the ongoing water system valve replacement project.

On a motion by Linda Rosenfeld, seconded by Jeff Morgan, the Board approved Resolution 1-2026-1 (7-0).

Sean Ziller asked if the grant includes a requirement for matching funds. Chris Moughan said there is not a specific requirement for matching funds, and explained that the Authority would be responsible for any project costs that are not covered by the grant. Mr. Ziller also asked about specific language included in the resolution. Liesel Gross stated that the Authority's grant consultant had prepared the resolution language in a way that will be acceptable.

LCA Strategic Plan – Progress Reporting

Liesel Gross provided an overview and presentation regarding the Strategic Plan that was adopted in December 2021, to review the progress on the goals for 2025 and to review the goals for 2026. She explained how the Authority's Mission, Vision, Values, and Priorities are interconnected within the plan. Since the plan was adopted, annual goals and priorities have been selected to be the focus for each calendar year. In 2025, six major goal areas were selected with 33 individual targeted tasks identified. Approximately 25 percent of these tasks were completed in 2025, more than 50 percent are started and will be ongoing for the foreseeable future. A few items have not been started or are deferred in some way.

Ms. Gross reviewed the major achievements that were accomplished in 2025 including: resolving the bondholder issue allowing for Pennvest grants; development of a staffing approach for in-house project work; acquiring full municipal approval of a regional Act 537 plan; on-boarding of several new hires; implementation of new project approaches to help with schedule adherence; Munis re-implementation "go live" on schedule; removal of 611 lead lines; implementation of a new digital employee onboarding process; in-house development of an asset management plan for the water plant; and update and testing of the emergency response plan.

Ms. Gross reviewed the items that have been deferred or are ongoing. Jeff Morgan commented about training and development, noting that the Authority has made progress by reaching out to the colleges and getting summer help. Ms. Gross said that there has been a lot of progress made on training and development and the internship program that is now in its third year. She also noted that when the Training and Development position is filled, there will be a more robust framework in place. Sean Ziller asked how the new Eli Lilly project and training with LCCC would tie in with the Authority's training. Ms. Gross said that LCCC is utilized for SCADA training and the Authority could have an opportunity to build on that partnership.

Looking forward to 2026, the Authority will continue to focus on the big items discussed earlier, along with new organizational strategies related to regional leadership, technology, facilities and security, affordability, lead program, employee safety, and capital project metrics. Ms. Gross thanked staff for their help developing the 2026 goals and priorities.

Peter Dent asked if any of the 2025 safety recordable incidents were reportable to OSHA. Ed Klein said there were no incidents that would have fallen into the "reportable" category, and noted that the Authority is not regulated by OSHA. A 2025 safety review will be presented to the Board at the February 23rd meeting that will show the metrics and highlight the initiatives planned for 2026.

Suburban Division – Industrial Pretreatment Plant Master Plan

Liesel Gross said that she has nothing new to report regarding this project but will keep it on the monthly agenda to allow for continued discussion regarding project cost sharing and municipal partnerships. She said talks are ongoing with Upper Macungie Township and the County of Lehigh.

Allentown Division – KIWWTP Holistic Solids Management Study

Stephen Boone explained that the proposed Holistic Solids Management Study will comprehensively evaluate the Kline's Island Wastewater Treatment Plant (KIWWTP) solids handling systems in anticipation of increased organic loadings. The study will assess existing infrastructure through detailed process documentation, equipment condition analysis, and operational performance review. The need for this work is outlined in the KIWWTP Master Plan, and will incorporate the result of the chemically enhanced primary treatment (CEPT) pilot study that is under way at the plant.

Jeff Morgan commented that this study is a good idea and he supports a holistic review of all options for solids handling. There was some additional discussion about the modeling assumptions to be used for this study. Amir Famili asked what the impact of the new Eli Lilly facility plant will be on plant performance. Mr. Boone indicated this will be factored into the study.

On a motion by Jeff Morgan, seconded by Sean Ziller, the Board approved the Capital Project Authorization: Allentown Division – KIWWTP Holistic Solids Management Study in the amount of \$245,788.00 which includes the Professional Services Authorization: Black & Veatch – KIWWTP Holistic Solids Management Study in the amount of \$195,788.00 (7-0)

Allentown Division – KIWWTP Plastic Media Trickling Filter – Change Order

Amy Rohrbach provided a status update of the project noting that all the old media has been removed. While inspecting the steel panels that encase the structure, the engineer discovered failed welds on the steel members, with one that fell onto the media below. Temporary measures were taken to ensure all remaining members were secured so the demolition could continue safely, but permanent repairs are needed to secure them. Allan Myers is proposing to weld and bolt these sections to the perimeter steel to properly secure them.

Chairman Famili asked what could be done better in the future to prevent a panel from falling onto the media below. Chuck Volk said that in the future before the panels are removed, they could stabilize the top angle. All of this information will be listed within the project notes in Procore and the engineer's structural report for any future work on this type of project.

On a motion by Peter Dent, seconded by Jeff Morgan, the Board approved the General Construction Change Order 2 – Allan Myers, L.P. in the amount of \$73,649.75 (6-0).

Allentown Division – Sanitary Sewer Collection: I&I Source Reduction Program

Jason Peters provided an overview of the project and reviewed how the project was structured into three contracts. However, contract 2 was rejected due to the bid prices coming in significantly higher than the engineer's estimate. LCA staff negotiated change order requests from the awarded contractor of contracts 1 and 3 based on itemized bid pricing in each contract so that the work could continue. By adding 9,400 linear feet of sewer mains that were originally part of contract 2, into the change order for contract 1, the revised scope will now rehabilitate 45,493 linear feet of sanitary sewer pipeline via CIPP. For contract 3, the revised scope of this project will add contract 2 lateral rehabilitation work for a total of 824 sewer laterals.

Peter Dent asked how the new project total compares to the engineer's estimate. Mr. Peters explained that the engineer's numbers were a little higher and pricing for the CIPP lining was very good. Chairman Famili asked what we learned from this. Mr. Peters said that these are niche contracts and by breaking the bid into three contracts it allowed for better control over the contract and total cost of the project. There was some additional discussion regarding the grouting vs. CIPP work.

On a motion by Linda Rosenfeld, seconded by Peter Dent, the Board approved the Capital Project authorization Amendment (Contract No. 1 Change Order): Construction Phase, Contract No. 1 – CIPP Lining in the amount of \$400,173.50 which includes the General Construction Contract Change Order: Construction Contract No. 1 CIPP Lining: Insituform Technologies USA, LLC in the amount of \$400,173.50; and the Capital Project Authorization Amendment (Contract No. 3 Change Order): Construction Phase, Contract No. 3 – Capital Grouting in the amount of \$100,770.00 which includes the General Construction Contract Change Order: Construction Contract No. 3 Capital Grouting: Insituform Technologies USA, LLC in the amount of \$100,770.00 (6-0).

Allentown Division – KIWWTP – Wet Weather Improvements – Phase 1

Amy Rohrbach provided an overview of the project to increase the wet weather capacity at the Kline's Island Wastewater Treatment Plant (KIWWTP) to 100 million gallons per day (MGD) with improvements to the Main Pump Station (MPS), the Auxiliary Pump Station (APS), and the Intermediate Pump Station (IPS). This project seeks to procure major equipment in advance due to the long lead times of that equipment. Ms. Rohrbach reached out to Iron Horse Environmental, the representative for the specified Flowserve pumps, and Reiner Pump Systems, the representative for the specified Johnston Pumps. Both suppliers have pump pricing available through COSTARS and can be purchased in advance of the construction. The project is considered a Major Capital Improvement and costs will be recovered through Capital Cost Recovery Charges.

Linda Rosenfeld asked if the Authority has a practice of going directly to the vendor for pricing and check it against the COSTARS pricing. Ms. Rohrbach said that this was done on other projects and the pricing from COSTARS is typically found to be more favorable. Ted Lyons asked who will hold the warranty on the equipment. Ms. Rohrbach said that the warranty is with the Authority but there are different warranties for each of the components. Jeff Morgan asked about the age of the current pumps and whether the staff explored adding pumps to add capacity versus replacing the pumps. Ms. Rohrbach said the existing pumps were installed in the 1960s and are past their useful life. In addition, the existing pumps use a vacuum prime system, which the operations staff would like to move away from in the future.

On a motion by Jeff Morgan, seconded by Linda Rosenfeld, the Board approved the Capital Authorization – KIWWTP 100 MGD Wet Weather Capacity Improvements – Equipment Procurement in the amount of \$5,808,108.00 which includes the COSTARS purchase – Reiner Pump Systems, Johnston pumps for IPS in the amount of \$1,585,000.00, the COSTARS purchase – Iron Horse Environmental, Flowserve pumps for MPS and APS in the amount of \$3,173,108.00, and the Electrical Equipment Bid – Brendan Stanton, Inc., Motor Control Centers in the amount of \$1,050,000.00 (6-0).

MONTHLY PROJECT UPDATES / INFORMATION ITEMS

Liesel Gross noted several items of interest for the next meeting including the safety presentation and election of officers.

Liesel Gross highlighted the Upper System Pump Station and Main Extension project that is included in the Monthly Project Update report. The project will bring water from the Authority's lower system in the Central Lehigh Division into the upper system, and is needed to serve new developments in Upper Macungie Township. She noted that the Authority had previously designed this project but had not moved forward until confirmation of a user to help pay for this project. The recent announcement of Eli Lilly moving into this location within the Authority's service area will generate the need to move forward on this project. She noted that the Authority staff has been deeply involved in evaluating the water and sewer needs for the Eli Lilly development.

STAFF COMMENTS

Liesel Gross commented on current drought conditions, which are worsening due to prolonged lack of precipitation. Water levels continue to decline, although there is currently adequate supply to serve all customers. Lehigh County is currently in a Drought Watch, but Ms. Gross indicated this declaration could be escalated into a Drought Warning stage soon. A water conservation notice has been issued due to the drought, but also due to the escalated number of water main breaks experienced during the recent very cold weather. Chris Moughan reported on the 21 main breaks, four valve replacements, and six service line repairs that have occurred in the past two weeks. He noted that during the past weekend the Authority fielded 100 service calls for frozen pipes or meters, and water bubbling up on customers' lawns. The Board thanked the crews for their work in repairing these issues.

SOLICITOR'S COMMENTS

None.

PUBLIC COMMENTS / OTHER COMMENTS

None.

BOARD MEMBER COMMENTS

The Board recognized the announcement of Liesel Gross, CEO, as being one of the most influential people in Lehigh County. Chairman Famili said this is an attest to her leadership, and the whole team, for their advancement and progress, and that the Authority's services are a backbone of the County.

Chairman Famili asked Sean Ziller to serve as the Nominating Committee for the upcoming Board election of officers. Mr. Ziller has agreed and will poll the Board members regarding their interest in being nominated to an officer position. Nominations will be finalized, and officers will be elected at the next meeting.

EXECUTIVE SESSION

An Executive Session will be held following the close of the regular meeting to discuss a legal matter with the Solicitor.

ADJOURNMENT

There being no further business, the Chairman adjourned the meeting at 1:32 p.m.

Linda A. Rosenfeld
Secretary

MEMORANDUM

Date: February 23, 2026

To: LCA Board of Directors
From: Amy Kunkel, Chuck Volk
Subject: Suburban Division – Applewood Pump Station and Wells 5, 6, and 9 – Design Phase

MOTIONS / APPROVALS REQUESTED:

No.	Item	Amount
1	Capital Project Authorization – Design Phase – Applewood Pump Station and Wells 5, 6, and 9	\$164,200
2	Professional Services Authorization – CHA – Design & Bid Phases (1), (2)	\$139,200

(1) Included in the Capital Project Authorization.

(2) Does not include Construction phase related engineering services.

PROJECT OVERVIEW:

Lehigh County Authority’s (LCA) Central Lehigh Division is divided into an “Upper System” and a “Lower System”. The Upper System includes two pressure zones, with the higher-pressure zone being referred to as the Applewood Zone. Pressure in the Applewood Zone is controlled by the Applewood Pump Station and provides water service to approximately 1,000 residents. The station is equipped with three pumps – a jockey pump, a booster pump to supplement flow and pressure as needed, and a fire pump. Water is supplied to the pump station from Reservoir 1 which is located next to the station. To meet existing and future pump station demand, two new jockey pumps and new variable frequency drives (VFDs) will replace the existing jockey pump, and the booster pump and fire pump will remain as is. Additional upgrades to the station include feed piping modifications, valve and pipe replacement, cleaning and painting existing piping, HVAC and electrical upgrades, and repairs to cracked CMU walls.

Wells 5, 6, and 9 are three different well sites located within the Central Lehigh Division (CLD). These wells work with other wells and interconnections to support water demands in the system. An internal condition assessment determined that upgrades are needed to the chemical feed systems. Improvements to the well sites include upsizing the disinfection systems and chemical storage capacities, and HVAC and electrical system upgrades. Facilities expansion at Wells 5 and 9 can be accomplished by utilizing existing fluoride rooms in the well stations. Fluoride systems were accounted for in the original building design but never implemented. Improvements at Well 6 will require a building expansion.

FUNDING:

This project will be funded by the LCA Suburban Division.

BUDGET AMENDMENT

Not required for this approval.

PROJECT STATUS:

Pending Board approval of the Design Phase.

THIS APPROVAL – DESIGN PHASE

LCA recommends retaining the services of CHA Consulting, Inc. (CHA) to provide design and bid-phase-related services. Approval of construction related engineering services will be requested with the Construction Phase authorization. The following table summarizes the professional services to be performed:

Professional Services ⁽¹⁾
1. Architectural, Mechanical, HVAC, and Electrical detailed design for four LCA locations.
2. Develop maintenance and plant operation control plan during construction activities.
3. PADEP permitting for all four sites.
4. Prepare route survey, waterline and meter vault design and associated environmental assessments.
5. Prepare construction bid documents (plans and specifications).
6. Provide bid phase services.

1. For Design and Bid Phase.

CONSULTANT PROJECT BACKGROUND:

CHA has served as design engineer for both Allentown and Suburban Divisions’ projects, including the KIWWTP Primary Sludge Replacement Project, for the KIWWTP Plastic Media Trickling Filter Rehabilitation Project, and the Arcadia West WWTP Mechanical Screen. CHA had previously prepared planning memo for the Applewood Pump Station and Wells 5, 6, and 9 and have a full understanding of the facilities and improvements needed.

Based upon our review of all aspects of the design proposal submitted, we recommend award of the Design Phase services to CHA. Their proposal is on scope and represents what LCA believes is the best overall value for the Authority.

PROJECT SCHEDULE:

At this juncture the construction phase of this project is anticipated to be bid in September of 2026 with substantial completion of construction by June of 2027.

FUTURE AUTHORIZATIONS- CONSTRUCTION PHASE:

After the construction contract(s) bids are received, a Request for Board Authorization will be presented to the Board for approval of the Construction Phase; and will include construction contract award(s), professional services amendment for construction related services, staff costs and other related components.



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REQUEST FOR BOARD AUTHORIZATION

Board of Directors Meeting Date: February 23, 2026
 Staff Member Requesting Authorization: Amy Kunkel
 Department: Capital Works
 Short Description / Title of Project / Purchase: Applewood Pump Station and Wells 5, 6, and 9
 Project Number (if applicable): MUNIS 30898

Capital Expense: (check all that apply)

- Capital Project >\$250,000
 - Construction / Other Contract(s)
 - Professional Services Authorization
 - Initial Authorization
 - Amended Authorization
- Professional Services Authorization >\$100,000
- Equipment Purchase >\$250,000
- Upsizing / Extension >\$250,000
- Aggregate Change Order >10% of contract and >\$100,000
- Stand-Alone Change Order >\$50,000

Operations Expense:

- Construction / Other Contract >\$250,000
- Professional Services Authorization >\$100,000
- Equipment / Other Individual Item >\$250,000
- Emergency Authorization >\$50,000
- Aggregate Change Order >10% of contract and >\$100,000
- Stand-Alone Change Order >\$50,000

LCA Enterprise Fund: Allentown Division Suburban Water Suburban Wastewater Internal Service / Admin

Current Project Phase: N/A (skip to Description) Planning Conceptual Design Design / Bid Construction

Prior Authorization(s):

Date	Phase	Description	Amount Authorized
8/6/2024	Planning	Conceptual Design Report	\$33,700
6/16/2025	Planning	Additional Planning Efforts	\$14,000
			\$
Total Prior Authorizations:			\$47,700

Current Authorization Requested:

Description	Amount Requested
Staff	\$15,000
Engineering Consultant – CHA	\$139,200
Contingency	\$10,000
	\$
	\$
	\$
	\$
Total Amount Requested (this authorization):	\$164,200

Future Authorizations:

Phase	Note / Description	Estimated Cost
Construction Phase	Construction Contracts, Engineering During Construction, and Inspection Services	\$930,000
		\$
Estimated Total Project Cost:		\$1,141,900

Short Description: (please attach supporting documentation, proposals, memos, etc.)

Design of upgrades to the Applewood pump station to include new jockey pump replacement, new VFDs, piping upgrades and structural repairs. Improvements to three well stations include upsizing the disinfections systems, increasing chemical storage capacity, and improve operations and maintenance conditions.

Purchasing Procedure: Formal Bid Request for Proposal Cooperative Purchasing Group / CoStars N/A - Emergency

Motion: _____ **Second:** _____ **Approved?** _____ **Certified by:** _____

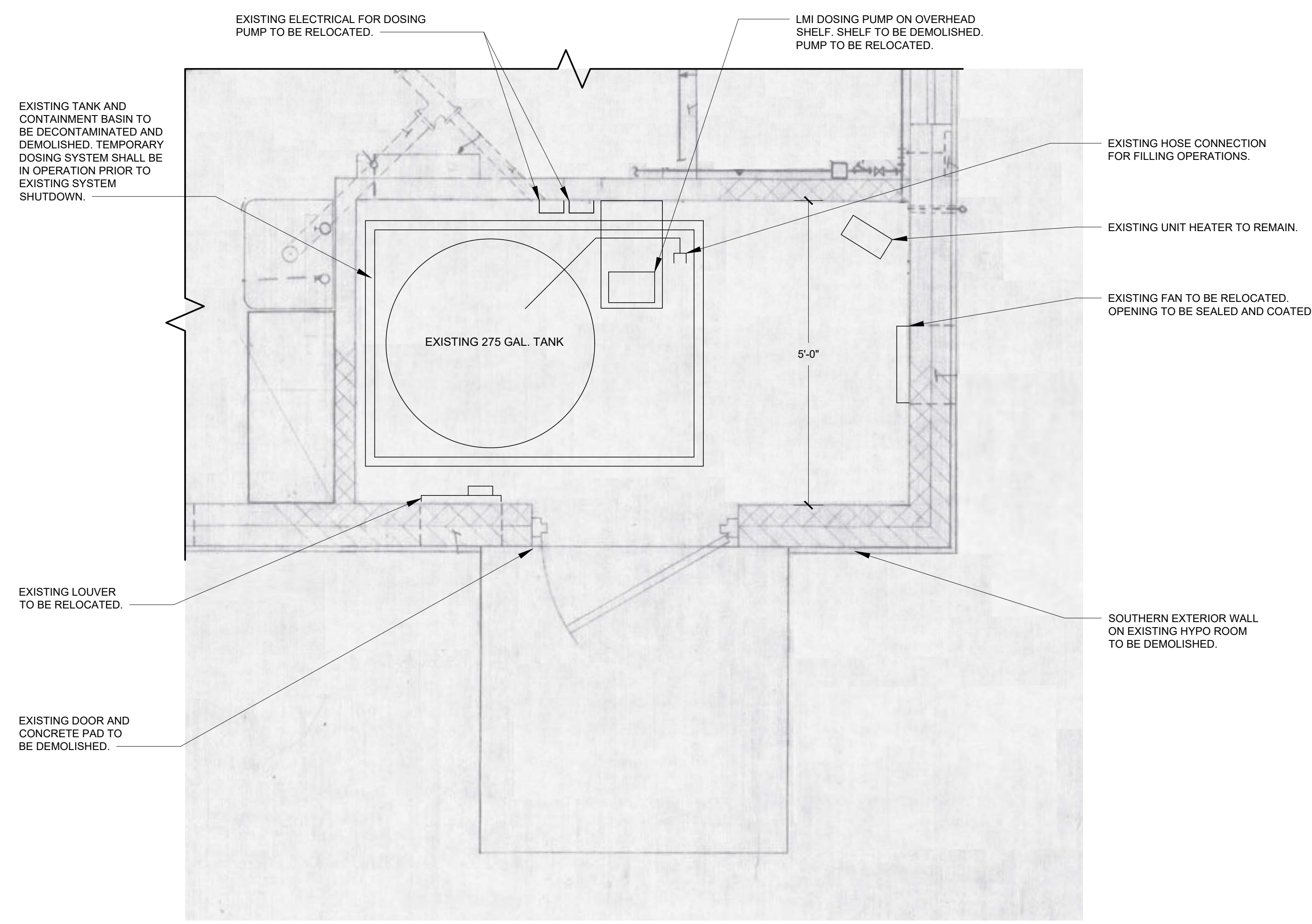
PRELIMINARY - NOT FOR CONSTRUCTION

LEHIGH COUNTY AUTHORITY
APPLEWOOD PUMP STATION AND WELL SITES IMPROVEMENTS
 ALLENTOWN, PA. 18102

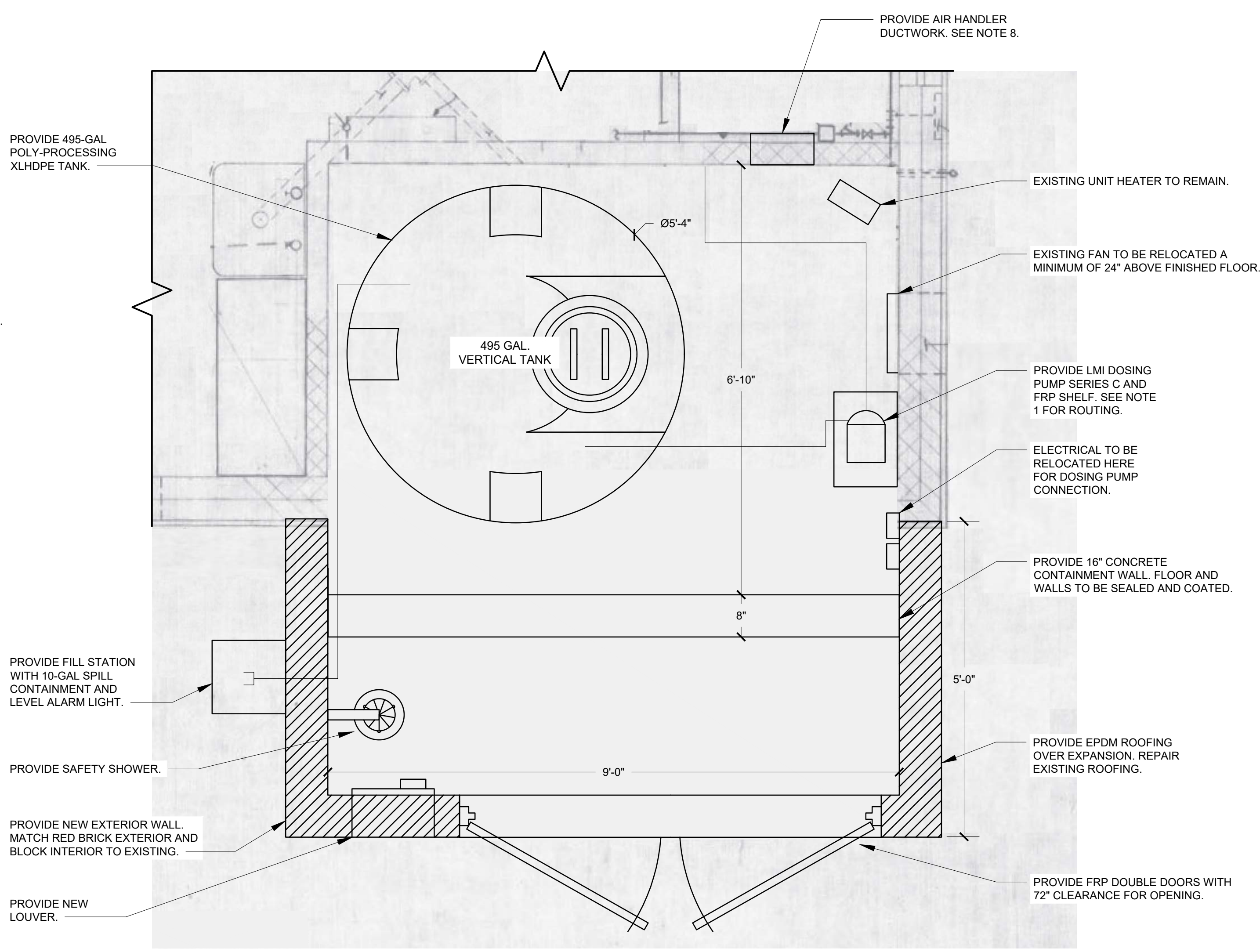
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NOT FOR CONSTRUCTION

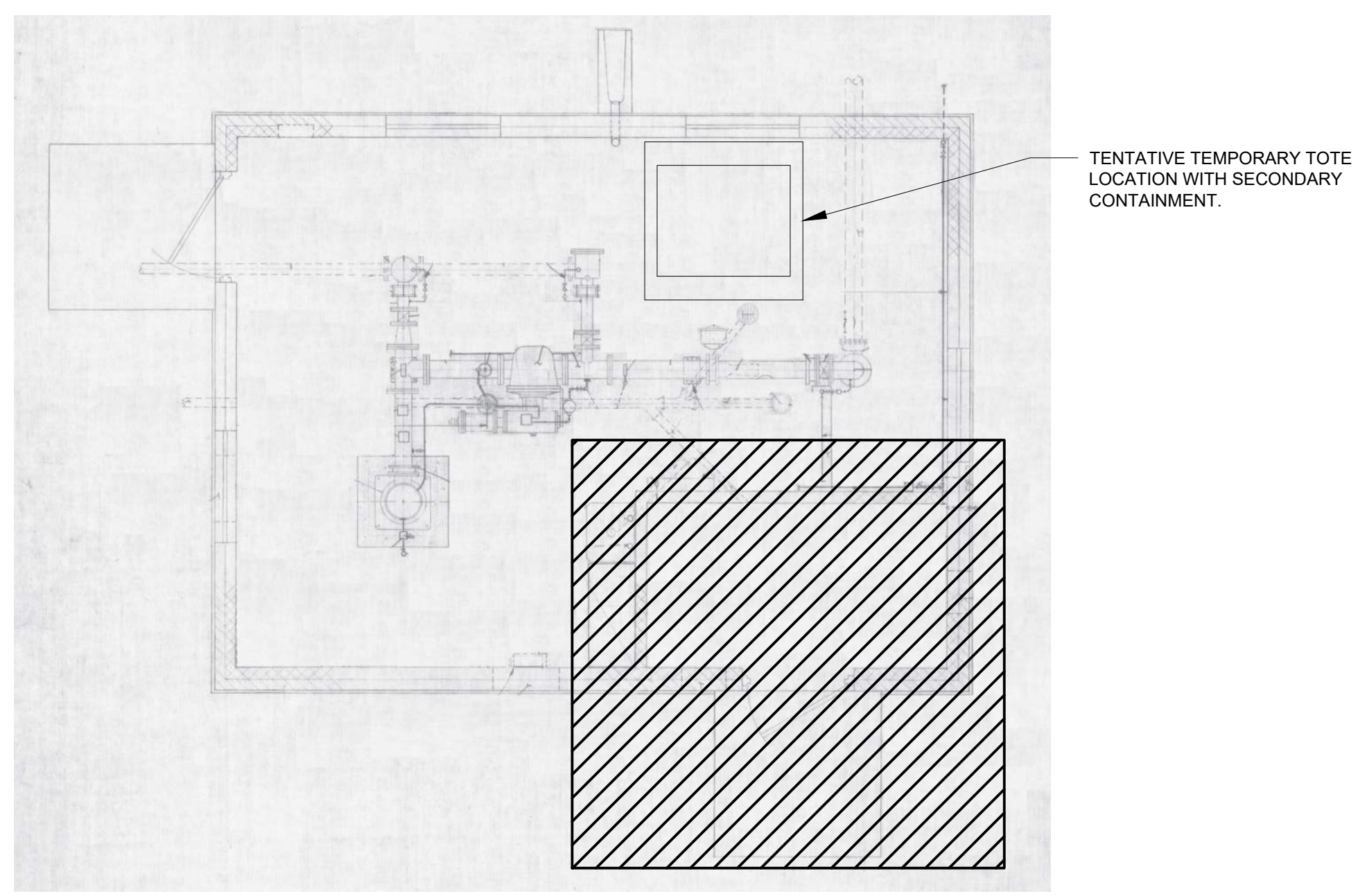
No.	Date	By	Description
0	06/03/25	AJM	CONCEPT DESIGN
Date: JUNE 2025			
Scale: NOTED			
Job No. 092329			
Drawn: AJM Appd.: DW			
Sheet Title: WELL SITE 6 CONCEPT PLAN			
Sheet No. 01			



1 PLAN - EXISTING
 SCALE: 3/4" = 1'-0"
 0 1'-0" 2'-0" 3'-0" 4'-0" N



2 PLAN - BUILDING EXPANSION
 SCALE: 3/4" = 1'-0"
 0 1'-0" 2'-0" 3'-0" 4'-0" N



3 KEY PLAN
 NOT TO SCALE
 N

- NOTES.**
- PUMP SUCTION AND DISCHARGE PIPING SHOWN SCHEMATICALLY ON THIS SHEET. ALL PIPING SHALL BE FIELD ROUTED. PUMP DISCHARGE PIPING SHALL TIE IN TO EXISTING DOSING LOCATION. NEW PIPING SHALL MATCH EXISTING IN SIZE AND MATERIAL.
 - REFER TO SHEET 03 FOR PIPING AND INSTRUMENTATION DETAILS.
 - ALL NEW WALL PENETRATIONS SHALL BE FIELD VERIFIED AND COORDINATED WITH OWNER.
 - NEW DOSING PUMP TO UTILIZE EXISTING ELECTRICAL CONDUITS, JUNCTION BOXES, ETC.
 - PUMP SHALL BE LMI METERING PUMP SERIES C. PUMP SHALL BE REPLACED IN-KIND.
 - TANK SHALL BE POLY-PROCESSING 495 GALLON UPRIGHT TANK. CONNECTIONS ON TANK INCLUDE FILL, OVERFLOW, VENT, LEVEL SENSOR, AND FEED.
 - DURING CONSTRUCTION, A TEMPORARY DOSING SYSTEM SHALL BE IN OPERATION. CONTINUOUS CHLORINATION MUST BE PROVIDED AT ALL TIMES.
 - NEW SPLIT SYSTEM, AIR HANDLER UNIT, AND DUCTWORK LOCATIONS SHALL BE FIELD VERIFIED AND COORDINATED WITH OWNER.

V:\Projects\BPA132\Prof\100-799 - Municipal\07 - Lehigh County Authority\07051 - Applewood Pump Station Upgrade\CAD\Well Sites\01 - WS-6 Proposed Plan.dwg May 28, 2025 - 2:01pm



January 30, 2025

Ms. Amy Kunkel, PE
Project Manager
Lehigh County Authority
1053 Spruce Road
Wescosville, PA 18106

Subject: LCA Applewood Pump Station and Well Sites
Proposal for Engineering Services – Design and Bid Phases

Dear Ms. Kunkel:

Following discussions with LCA and additional evaluation of options, CHA Consulting, Inc. (CHA) is pleased to provide this proposal for the design of improvements to the Applewood Pump Station (APS) and Well Stations (WS) 5, 6 and 9.

Applewood Pump Station, located at 1361 Church Street, Fogelsville, serves approximately 1,000 residents and requires upgrades to meet current and future water demands. The proposed improvements to APS include:

- Replacement of the existing jockey pump with two new vertical centrifugal pumps.
- Installation of two new VFD's and associated electrical modifications.
- Replacement and refurbishment of piping, valves, and fittings to meet NSF/ANSI 61 standards.
- Structural repairs to CMU walls and installation of additional support for a monorail crane.
- Maintenance of continuous plant operations during construction with temporary bypass pumping.

The wells support Upper and Lower Macungie, Central Lehigh Division and interconnections with Upper Milford, western portions of the suburban service area and surrounding areas. They work together to support redundancy and provide emergency supply of water for those surrounding areas. The well-site improvements include upsizing the disinfection system, chemical storage capacities and expanding each facility to improve operation and maintenance conditions. For the Well Stations, the proposed improvements focus on three well sites:

- Well Site #5: 1329 Hickory Lane, Allentown
- Well Site #6: 8672 Main Street, Fogelsville
- Well Site #9: 75 Oldt Road, Breinigsville

Proposed improvements at each well site include:

- Increase sodium hypochlorite (hypo) storage capacity from 275 gallons to ~500 gallons.
- Expand hypo rooms for improved operator access and safety. Expansion shall include expanded storage, proper containment and space for access to storage tank and pump.
- Replace and upgrade dosing pumps and integrate with SCADA.
- Improve HVAC systems to maintain chemical integrity and ambient air quality.
- Provide new fill stations and containment systems.

DETAILED SCOPE OF WORK

Applewood PS – Detailed Engineering Scope

- **Architectural/Structural:**
 - Structural details for wall repair and crane support.
 - Housekeeping pad modifications for a new vertical multi-stage jockey pump installation.
 - Paint preparation and coating details for interior building.
 - Containment design.
- **Process Mechanical:**
 - Engage with pump vendor and operations personnel in discussions involving the APS operations to determine the final design requirements to the existing pump system.
 - Detailed pump drawings based on conceptual design (Grundfos Vertical multi-stage pumps as basis of design).
 - Specify replacement and/or modification of select existing piping, valves and fittings.
 - Specification of cleaning and coatings for existing and new piping.
- **HVAC**
 - New HVAC system design specifications and drawings to accommodate new pumps and replacement VFD's. A/C will also be considered due to the use of VFDs in this APS.
- **Electrical & Instrumentation:**
 - Updated process and instrumentation diagrams (P&ID).
 - Electrical design for new VFD installation for two jockey pumps.
 - Replacement of existing booster VFD to LCA standard Schneider VFD, to be bid as an alternate.
 - Miscellaneous electrical modifications for removal and reinstallation of heating equipment during construction activities.
 - Control narrative for the new jockey pumps and integration with existing system.

Well Sites - Detailed Engineering Scope

- **General**
 - Civil layout for Well Site #6 for modifications to the existing building.



- **Architectural/Structural:**
 - Building expansions and equipment layouts for all well sites.
 - Identify site civil layout including modifications and improvements necessary or desired to accommodate the building expansion at well site #6.
 - Expansion of hypo rooms at Well Sites #5 and #9 using existing fluoride rooms.
 - Building addition at Well Site #6 with CMU and brick exterior, EPDM roofing, doors.
 - Paint preparation and coating details for new Hypochlorite Rooms.
- **Process Mechanical:**
 - New hypo tanks (XLHDPE vertical tanks), containment curbs, and fill stations.
 - Pump information and installation details (Blue-White M-1 for Sites #5 and #9; retain LMI pump at Site #6).
- **HVAC:**
 - Design documents and calculations for new mini-split systems for Sites #6 and #9; provide upgrades for the existing system at Site #5 for the new hypochlorite room.
- **Electrical & Instrumentation:**
 - Integration with SCADA for pump alarms, tank level monitoring, and flow pacing.
 - Electrical design of new HVAC equipment, new lighting and receptacles for the new sodium hypochlorite rooms.
 - Design of new fill station alarm lighting to be utilized during filling operations.
- **Safety & Compliance:**
 - Eyewash/shower stations, sealing penetrations, and hypo-resistant coatings.

ENGINEERING DESIGN SERVICES

1.0 Detailed Design

- Develop multi-prime contract bid package (General Contractor, Electrical Contractor).
- Include bid alternates (e.g. booster pump VFD replacement to LCA standard VFD).
- Prepare complete bid package including:
 - Prepare construction technical specifications.
 - Prepare LCA standard front-end documents.
 - Phasing and shutdown scheduling for construction activities.
 - Maintenance and plant operation control plan for construction activities.
 - Construction drawings (Approx. 20 sheets in total for pump and well sites).
 - Cover Sheet
 - Site plan Well Site #6
 - Site plan - APS
 - Well Sites 5 & 9 Building Plans



- Well Site 6 Building Plans
- APS Building Plans
- Mechanical Details
- Well Sites 5 & 9 HVAC Upgrades Plans
- Well 6 HVAC Upgrades Plan
- APS HVAC Upgrades Plan
- P&ID Well Sites
- P&ID APS
- Structural Details – APS
- Structural Details – Well Sites
- Well Sites 5 & 9 Electrical Plans
- Well 6 Electrical Plan
- APS Electrical Plan
- Electrical Single Line – APS
- Electrical Single Line – Well Sites
- Electrical Details
- Provide progress submittals at 30%, 60%, 90% and issue for bidding.
- Prepare an AACE Class 2 opinion of probable construction cost at 30%, 60%, 90% and at bid.

1.2 Permitting

- Attend a pre-application meeting with PADEP for discussion of all four sites.
- Prepare and submit PADEP minor modification permit for increased capacity at the pump station.
- Prepare and submit PADEP minor modification permits for increased chemical storage and pump replacements for well sites.

1.3 Bid Phase Services

Once the set of Contract Documents has been assembled for all four sites, CHA will post a single final set of signed and sealed electronic documents for all four sites to PennBid. Two representatives from CHA will attend and facilitate a pre-bid meeting at a location determined by LCA. During the bid phase CHA will respond to contractor questions, issue any required addenda, review bids and issue an award recommendation letter.

ASSUMPTIONS

1. No formal site survey will be performed.
2. Project will generally be completed per the milestone dates below.
3. The design will be implemented using two Prime Contracts.
4. All four sites will be bid as one bid package.
5. No construction phase services are included.
6. Where possible, materials and equipment will be specified in the Contract Drawings.
7. Well Site #6 is the only building that will be expanded outside of its existing footprint.



8. Erosion and sedimentation controls will be utilized for WS #6 for building expansion with no permitting required.
9. Design of all systems are based on the Memorandums prepared by CHA for the APS and WS.
10. Building Permits by Contractor.

SCHEDULE

The following is the anticipated milestone schedule for completion of the design and bidding phases of the project:

Milestone	Date
Design Notice to Proceed	February 4, 2026
30% Engineering Submittal to LCA	March 25, 2026
60% Engineering Submittal to LCA	May 20, 2026
Permit Submittal to PADEP	June 3, 2026
90% Engineering Submittal to LCA	July 24, 2026
Post Documents to PennBid	August 19, 2026
Receive Permit (90-day review)	September 1, 2026
Receive Construction Bids	September 9, 2026
LCA Board Approval (Construction)	September 8, 2026
Contractor Notice to Proceed	October 2026
Substantial Completion	May 2027

PROPOSED FEE

CHA proposes completing the work required on a lump sum basis for a proposed fee of \$139,200. This fee includes anticipated reimbursable expenses. A breakdown of hours and fees by task is attached to this proposal and a summary of these fees by task is as follows:

Task	Fee
Task 1 – Detailed Design – All Sites	\$108,000
Task 2 – Permitting – All Sites	\$16,400
Task 3 – Bidding Phase Services	\$14,800
PROJECT TOTAL	\$139,200



We are prepared to begin work on this project immediately upon authorization. We thank you for the opportunity to help LCA complete this important project.

Respectfully submitted,

CHA CONSULTING, INC.



David Wodyka, PE
Section Manager



Craig W Murray, PE
Business Practice Leader

C: Charles Volk, P.E. Lehigh County Authority

**LEHIGH COUNTY AUTHORITY
APPLEWOOD PUMP STATION AND WELL SITES
CONSTRUCTION ADMINISTRATION SERVICES FEE BREAKDOWN**

TOTAL PROJECT HOURS AND FEE WITHOUT ALTERNATE										
Task	Principal & QA/QC	Project Manager	Discipline PEs	Engineer in Training (Structural)	Engineer III (Elec & HVAC)	Engineer in Training (Process/Mech)	Constr. Manager	Admin/CAD	Total Labor Hours	Total Task Labor Fee
1 Prelim Kickoff	4	4	0	0	0	4	4		16	\$ 2,760
2 PADEP Discussions	4	4	0	0	0	4	0		12	\$ 2,128
4 Meetings (60%, 90% and Prebid)	0	24	0	0	0	24	16		64	\$ 9,200
5 Calculations + Equipment Specification	0	12	8	16	48	24	0		108	\$ 14,712
6 Construction Drawings	0	36	40	40	120	150	0		386	\$ 52,216
7 Permitting	4	40	0	0	0	80	0		124	\$ 16,616
8 Specifications	0	16	16	8	16	40	0		96	\$ 13,664
9 AACE class 2	0	16	0	12	24	48	0		100	\$ 12,592
10 Bidding (Addendum + Questions)	0	24	8	8	20	32	8	8	108	\$ 14,744
TOTAL HOURS	12	176	72	84	228	406	28	8	1006	\$ 138,632
Hourly Rate	\$ 254	\$ 166	\$ 218	\$ 104	\$ 138	\$ 112	\$ 158	\$ 72	-	-
Total Labor Category Fee	\$ 3,048	\$ 29,216	\$ 15,696	\$ 8,736	\$ 31,464	\$ 45,472	\$ 4,424	\$ 576	-	\$ 138,632
Reimbursible Expenses										\$ 568
TOTAL PROJECT FEE WITHOUT ALTERNATE										\$ 139,200

MEMORANDUM

Date: February 23, 2026

To: Lehigh County Authority Board of Directors
From: Charles Volk, P.E., Chief Capital Works Officer
Subject: Allentown Division: Cycle 1 Large Valve Replacement Project –
Construction Phase Change Order

MOTIONS / APPROVALS REQUESTED:

No.	Item	Amount
1	Capital Project Authorization: Construction Phase Change Order	\$106,998.00
2	General Construction Contract Change Order*: Joao & Bradley Construction Co., Inc.	\$106,998.00

**Included in the Capital Project Authorization.*

BACKGROUND

This is a multi-year project to identify, prioritize, and replace large diameter valves that are in poor condition or inoperable. There are many large diameter valves in the City of Allentown water system that are critical for isolating major water service areas in the event of catastrophic breaks or maintenance needs. The replacement of these valves will allow for the proper isolation of reservoirs and water system service areas to enable essential maintenance activities and repairs and reduce water loss during these events.

Gannett Fleming (now renamed as GFT), the engineer for this project, performed a hydraulic analysis of the existing Allentown Division water system to assess isolating major areas of the system with existing valves. A condition assessment of the large valves was then completed. The results of the study were used to create a prioritization for high-risk valve replacements. The valves proposed for replacement in this cycle of the program were identified as the highest priority. The project was substantially completed in late 2025.

PROJECT OVERVIEW

This first cycle of the annual large valve replacement program was located at water main intersections at 12th Street just southeast of Lehigh Street, and at Martin Luther King Jr. Drive west of Lehigh Parkway East. The Cycle 1 scope included the installation of three 36-inch butterfly valves, four line stops (to allow for isolating the valve replacement

areas while maintaining active distribution system), one 12-inch insertion valve, and final restoration/pavement replacement.

FINANCIAL

The project is funded by the LCA City Division.

PROJECT STATUS

The project was substantially completed in late 2025 and is in final closeout.

THIS APPROVAL – CONSTRUCTION PHASE FINAL CHANGE ORDER

This change order for the Cycle 1 Valve Replacement Project is generally comprised of contract quantity exceedances for permanent bituminous pavement replacement. The final restoration quantity exceedances were the result of additional pavement removal/earth disturbance incurred to install additional insertion valves, additional line stops, and related fittings to accommodate unforeseen subsurface conditions. This entailed larger and more numerous roadway openings for the South 12th Street project location.

In the area as depicted on the design plans for the proposed 12” insertion valve on South 12th Street, the contractor encountered subsurface conditions that differed from the construction drawings and city GIS data. Once excavated, the contractor found that the interconnection between the 12” main and 36” main was made up entirely of fittings (as opposed to a spool piece of pipe), without adequate room to install an insertion valve to facilitate proper system isolation. After field discussions with our engineer (GFT), the decision was made to move the original 12” insertion valve and add a second 12” insertion valve. Also, due to a 6” commercial service being located between the two insertion valves, the pre-existing 6” service tap needed to be relocated to outside the insertion valves to minimize future service disruptions. The change to the 6” service required a 6” insertion valve, 6” line stop, 6” cut and cap and 6” piping to be installed. The above resulted in additional earth disturbance, which significantly increased the roadway openings, therefore requiring additional permanent roadway paving restoration exceeding contract quantities.

FUTURE AUTHORIZATIONS

None



1053 SPRUCE RD * P.O. BOX 3348 * ALLENTOWN, PA 18106-0348
 610-398-2503 * email: service@lehighcountyauthority.org
 www.lehighcountyauthority.org

REQUEST FOR BOARD AUTHORIZATION

Board of Directors Meeting Date: 2/23/26
 Staff Member Requesting Authorization: CHARLES VOLK. P.E.
 Department: CAPITAL WORKS
 Short Description / Title of Project / Purchase: ALLENTOWN DIVISION LARGE VALVE REPLACEMENT CYCLE #1
- CHANGE ORDER
 Project Number (if applicable): _____

Capital Expense: (check all that apply)

- Capital Project >\$250,000
 - Construction / Other Contract(s)
 - Professional Services Authorization
 - Initial Authorization
 - Amended Authorization
- Professional Services Authorization >\$100,000
- Equipment Purchase >\$250,000
- Upsizing / Extension >\$250,000
- Aggregate Change Order >10% of contract and >\$100,000
- Stand-Alone Change Order >\$50,000

Operations Expense:

- Construction / Other Contract >\$250,000
- Professional Services Authorization >\$100,000
- Equipment / Other Individual Item >\$250,000
- Emergency Authorization >\$50,000
- Aggregate Change Order >10% of contract and >\$100,000
- Stand-Alone Change Order >\$50,000

LCA Enterprise Fund: Allentown Division Suburban Water Suburban Wastewater Internal Service / Admin

Current Project Phase: N/A (skip to Description) Planning Conceptual Design Design / Bid Construction

Prior Authorization(s):

Date	Phase	Description	Amount Authorized
3/27/2023	Design	CPA – Design Phase – Gannett Fleming	\$74,400.00
10/24/24	Construction	CPA – Construction Phase – Joao & Bradley Construction	\$1,206,612.00
1/27/26	Construction	Contract Change Order No. 1 – Additional line stops, valves, and fittings	\$75,312.72
Total Prior Authorizations:			\$1,356,324.72

Current Authorization Requested:

Description	Amount Requested
Contract Change Order No. 2 (final adjusting) – additional permanent paving restoration quantifies	\$106,998.00
	\$
	\$
	\$
Total Amount Requested (this authorization):	\$106,998.00

Future Authorizations:

Phase	Note / Description	Estimated Cost
	none	\$
Estimated Total Project Cost:		\$1,463,322.72

Short Description: (please attach supporting documentation, cost justification, trade-in values, proposals, memos, etc.)

Final adjusting change order to cover additional permanent paving restoration bid quantify exceedances. See attached memo.

Purchasing Procedure: Formal Bid Request for Proposal Cooperative Purchasing Group / CoStars N/A - Emergency

Motion: _____ **Second:** _____ **Approved?** _____ **Certified by:** _____

MEMORANDUM

Date: February 23, 2026

To: Lehigh County Authority Board of Directors
From: Anton Siekmann, Project Manager
Subject: Allentown Division – Water Filtration Plant HVAC Upgrades – Phase 2

MOTIONS / APPROVALS REQUESTED:

No.	Item	Amount
1	Capital Project Authorization – Construction Phase	\$1,533,822.90
2 ⁽¹⁾	Professional Services Authorization – Construction Administration – CHA Consulting	\$115,200.00
3 ⁽¹⁾	HVAC Contract Award – ASL Refrigeration, Inc.	\$1,206,370.00
4 ⁽¹⁾	Electrical Construction Contract Award – Bilitier Electric	\$97,252.90

(1) Included in the Capital Project Authorization

PROJECT OVERVIEW

The Water Filtration Plant (WFP) currently has an aging and problematic HVAC system that requires extensive maintenance by both outside contractors and LCA maintenance staff and needs replacement. Upgrades to the HVAC systems for the first-floor offices, customer services, lobby, laboratory, operator’s control room, as well as the second-floor meeting spaces, offices, and locker rooms are recommended. Due to the estimated cost, it was decided to phase the construction into two phases. Phase 1 was completed in November 2025 and included the first-floor offices, customer service area and lobby. Phase 2 includes the first-floor lab and operations areas as well as the second-floor spaces. Work will be staged to limit impact on existing operations. This upgrade will improve the heating and cooling of these occupied spaces and improve temperature control for the staff that utilize these areas on a regular basis.

FINANCIAL

The project will be funded from the Allentown Division and has received approval from the City of Allentown Compliance Office for Major Capital Improvement and is eligible for Capital Cost Recovery.

THIS APPROVAL - CONSTRUCTION PHASE

The contract time for this work is 270 days from Notice to Proceed to substantial completion and 310 days from Notice to Proceed for final completion. Assuming construction phase authorization at the 2/23/2026 Board meeting, construction is anticipated to conclude in January 2027.

BIDDING SUMMARY

The project was advertised for bid on January 5, 2026 and a pre-bid meeting was held on January 12, 2026. Bids were received and publicly opened, via PennBid, on February 5, 2026. The results are:

General/Mechanical Contract	
Bidder	Base Bid
ASL Refrigeration, Inc.	\$1,206,370
Master Mechanical Corp.	\$1,532,000
Worth and Company Inc.	\$1,445,000
Electrical Construction Contract	
Bidder	Base Bid
Bilitier Electric	\$97,252.90
Diefenderfer Electric	\$122,990.00
TOTAL HVAC + Electrical Construction	\$1,303,622.90

The engineer’s estimate for the base bid was \$1,790,000.

LCA’s design consultant on this project, CHA Consulting and LCA staff have reviewed the references and qualifications and experience statement provided by ASL Refrigeration, Inc. and Bilitier Electric, and have determined that the contractors are qualified to complete this project. ASL Refrigeration performed the HVAC work on Phase 1 of the WFP HVAC Upgrades. Bilitier Electric has not performed work for LCA. CHA reviewed their references, qualifications and experience and believe they are qualified to perform the work. They’ve completed several large projects locally, including a project at Parkland High School in 2025 totaling \$307,992 and at the Allentown School District in 2024 for \$702,006. Based on the above, LCA staff recommends the award of Construction Contracts to the lowest bidders, ASL Refrigeration, Inc. and Bilitier Electric, subject to the receipt of the necessary Performance Bonds, Insurance and other required documentation.

PROFESSIONAL SERVICES

Construction Administration Services

CHA Consulting. has been LCA’s design consultant on this project and will provide construction administration services for the construction phase of the project. Their work will include:

Professional Services
1. Facilitate completion of the Agreement and other contractual elements (6 hours).
2. Project management and quality control for 44 weeks (52 hours).
3. Prepare for, attend and facilitate a pre-construction conference (6 hours).
4. Prepare for and attend 10 job conference monthly meetings (30 hours).
5. Process and review and shop drawings and RFIs (156 hours).
6. Process applications for payment (33 hours).
7. Process any necessary change orders and allowance adjustments (24 hours).
8. Provide weekly construction observation (14 hrs/week for 32 weeks)
9. Perform project closeout activities, including punch list development and final inspection (36 hours)

PROJECT SCHEDULE

Assuming approval of construction phase at the February 23, 2026 Board meeting, contracts will be executed by March 26, 2026. Final construction completion is anticipated in January 2027.

FUTURE AUTHORIZATIONS

None planned.



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REQUEST FOR BOARD AUTHORIZATION

Board of Directors Meeting Date: 2/23/2026
 Staff Member Requesting Authorization: Anton Siekmann
 Department: Capital Works
 Short Description / Title of Project / Purchase: WFP HVAC Upgrades Phase 2
 Project Number (if applicable): 50673 / AD-W-29

Capital Expense: (check all that apply)

- Capital Project >\$250,000
 - Construction / Other Contract(s)
 - Professional Services Authorization
 - Initial Authorization
 - Amended Authorization
- Professional Services Authorization >\$100,000
- Equipment Purchase >\$250,000
- Upsizing / Extension >\$250,000
- Aggregate Change Order >10% of contract and >\$100,000
- Stand-Alone Change Order >\$50,000

Operations Expense:

- Construction / Other Contract >\$250,000
- Professional Services Authorization >\$100,000
- Equipment / Other Individual Item >\$250,000
- Emergency Authorization >\$50,000
- Aggregate Change Order >10% of contract and >\$100,000
- Stand-Alone Change Order >\$50,000

LCA Enterprise Fund: Allentown Division Suburban Water Suburban Wastewater Internal Service / Admin

Current Project Phase: N/A (skip to Description) Planning Conceptual Design Design / Bid Construction

Prior Authorization(s):

Date	Phase	Description	Amount Authorized
4/25/2025	Design	CHA - Preliminary Design	\$14,600.00
8/7/2025	Design	CHA - Final Design & Bid management	\$57,500.00
12/2/2025	Design	CHA - Design amendment for added scope	\$3,300.00
Total Prior Authorizations:			\$75,400.00

Current Authorization Requested:

Description	Amount Requested
CHA - Construction Administration Services	\$115,200.00
Bilitier Electric – Construction Contract – EC	\$97,252.90
ASL Refrigeration Inc. – Construction Contract – HVAC	\$1,206,370.00
Contingency	\$100,000
Staff Time	\$15,000
	\$
	\$
Total Amount Requested (this authorization):	\$1,533,822.90

Future Authorizations:

Phase	Note / Description	Estimated Cost
	None.	\$0
		\$
Estimated Total Project Cost:		\$1,609,222.90

Short Description: (please attach supporting documentation, cost justification, trade-in values, proposals, memos, etc.)

The WFP currently has an aging HVAC system that requires extensive maintenance and is past its useful life and in need of replacement. This project includes demolition of existing HVAC equipment and installation of new equipment and associated electrical work in the 1st floor lab and operator's area as well as the entire second floor.

Purchasing Procedure: Formal Bid Request for Proposal Cooperative Purchasing Group / CoStars N/A - Emergency

Motion: _____ **Second:** _____ **Approved?** _____ **Certified by:** _____



January 26, 2026

Mr. Anton Siekmann
Project Manager
Lehigh County Authority
1053 Spruce Road
Wescosville, PA 18106

Subject: LCA Water Filtration Plant (WFP) HVAC Upgrades (Ph. II) Project
Proposal for Construction Administration Services

Dear Mr. Siekmann:

We would like to thank you for the opportunity to submit a proposal to provide construction administration services to the LCA for the above-referenced project. Below are the project description and a proposed scope of services:

PROJECT DESCRIPTION

The construction consists of the following:

- Demolition of existing HVAC equipment and associated electrical equipment located in the basement, first floor control room, laboratory areas, second floor spaces, and rooftop.
- New HVAC equipment in the basement, first floor control room, laboratories, second floor areas, and rooftop.
- Demolition of the existing and installation of new acoustical ceiling tile and grid in the control room, laboratory areas and second floor areas.
- New electrical equipment including wiring, wiring devices and conduit raceways, circuit breakers, power panel and disconnect switches.

This work is expected to achieve substantial completion within 270 days (nine months) and be ready for final payment within 300 days (10 months) from Notice to Proceed (NTP). It is anticipated that NTP will be issued in March 2026 with construction continuing through January 2027.

SCOPE OF SERVICES

CHA Consulting, Inc. (CHA) will provide the following construction administration services:

1. Facilitate completion of the Agreement and other contractual elements (6 hours).
2. Project management and quality control for 44 weeks (52 hours).
3. Prepare for, attend and facilitate a pre-construction conference (6 hours).
4. Prepare for and attend 10 job conference monthly meetings (30 hours).
5. Process and review and shop drawings and RFIs (156 hours).
6. Process applications for payment (33 hours).

7. Process any necessary change orders and allowance adjustments (24 hours).
8. Provide weekly construction observation. Our estimate is 14 hours per week for 32 weeks. (448 hours).
9. Perform project closeout activities, including punch list development and final inspection (36 hours).

EXCLUSIONS & ADDITIONAL SCOPE CONSIDERATIONS

The following scope of services is not included in the fee proposal:

1. Testing services.
2. Additional field investigations or studies.
3. Reproduction of contract documents.
4. Fees required for municipal permits.
5. Full-time project representation during construction.
6. Scope of work items not previously listed.

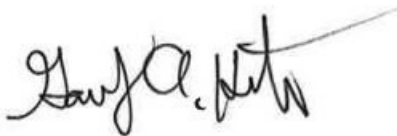
PROPOSED FEE

We propose to complete the construction administration services described above for the lump sum fee of \$115,200. In the event additional construction administration services are necessary, CHA will proceed only upon written agreement of LCA.

We are prepared to begin work on this project immediately upon authorization. We thank you for the opportunity to help LCA complete this important capital project.

Respectfully submitted,

CHA CONSULTING, INC.



Gary Huntington, PE
Senior Project Manager

c: Chuck Volk, LCA
Bryan Geissel, LCA
Amy Rohrbach, LCA





February 06, 2026

Mr. Charles Volk, P.E.
Chief Capital Works Officer
Lehigh County Authority (LCA)
1053 Spruce Road
Wescosville, PA 18106

Subject: LCA Water Filtration Plant HVAC Upgrades – Phase II
Recommendation for Award for Bid No. 50673-EC Contract No. 2

Dear Mr. Volk:

As you are aware, LCA received bids for the above referenced project on February 05, 2026, at 2:00 PM via PennBid. Two bids were received for Bid No. 50673-EC Contract No. 2. The bid results are summarized below. Full bid item breakdowns can be found on the attached bid tab.

Company	Total Base Bid
Diefenderfer Electric	\$ 122,990.00
Billitier Electric	\$ 97,252.90

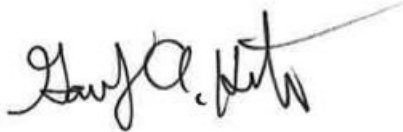
As shown above, Billitier Electric is the low bidder. CHA Consulting Engineering Inc. (CHA) has reviewed the bids and has determined that the bid submissions are complete and in accordance with the bidding documents.

Billitier Electric's bid price is approximately 20% lower than the low range for our opinion of probable construction cost estimate for this work. CHA has reviewed the scope of work with Billitier Electric and it appears they have a very good understanding of the scope of work necessary to complete this project. CHA believes they have the experience necessary to complete this project. Consequently, we recommend that LCA award this contract to Billitier Electric in the amount of \$97,252,90.

If you have any questions or require any additional information, please contact me at 717-575-0168.

Respectfully submitted,

CHA CONSULTING, INC.

A handwritten signature in black ink, appearing to read "Gary A. Huntington". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Gary Huntington, PE
Senior Project Manager

C: Anton Siekmann, LCA
Craig Murray, CHA



Electrical Contract No. 2

Diefenderfer Electric

Billittier Electric

Bid Item	Description	Quantity	Unit	Total Cost	Total Cost
Base Bid Lump Sum Bid Items					
EC-10	CONSTRUCTION OF ALL ELECTRICAL WORK AS INDICATED IN THE CONTRACT DOCUMENTS INCLUDING MOBILIZATION AND DEMOBILIZATION, EXCLUDING ALL UNIT COST BID ITEMS LISTED BELOW.	1	Lump Sum	\$77,500	\$59,449
Base Bid Unit Price Allowance Bid Items					
EC-20	PERFORM ADDITIONAL WIRE REMOVAL AND DISPOSAL	400	LF	\$4,000	\$1,360
EC-30	PROVIDE THE SERVICES OF A JOURNEYMAN ELECTRICIAN.	80	HR	\$9,440	\$8,418.40
EC-40	ADDITIONAL 1.25" ELECTRICAL METALLIC TUBING (EMT), FITTINGS AND SUPPORTS, INSTALLED.	150	LF	\$2,250	\$1,780.50
EC-50	ADDITIONAL 3-#3 AND 1-#6 CONDUCTORS INSTALLED IN CONDUITS	600	LF	\$10,800	\$7,590
EC-60	ADDITIONAL LUMINAIRE TYPE C2, FITTINGS AND SUPPORTS, INSTALLED	10	EA	\$4,000	\$3,655
EC-70	PERMITTING ALLOWANCE	1	LS	\$5,000	\$5,000
EC-80	ADDRESSING UNFORESEEN CONDITIONS ALLOWANCE	1	LS	\$10,000	\$10,000
TOTAL BASE BID				\$122,990	\$97,252.90



February 05, 2026

Mr. Charles Volk, P.E.
Chief Capital Works Officer
Lehigh County Authority (LCA)
1053 Spruce Road
Wescosville, PA 18106

Subject: LCA Water Filtration Plant HVAC Upgrades – Phase II
Recommendation for Award for Bid No. 50673-HVAC Contract No. 1

Dear Mr. Volk:

As you are aware, LCA received bids for the above referenced project on February 05, 2026, at 2:00 PM via PennBid. Three bids were received for Bid No. 50673-HVAC Contract No. 1. The bid results are summarized below. Full bid item breakdowns can be found on the attached bid tab.

Company	Total Base Bid
ASL Refrigeration Inc.	\$ 1,206,370.00
Master Mechanical Corp.	\$ 1,532,000.00
Worth and Company Inc.	\$ 1,445,000.00

As shown above, ASL Refrigeration Inc. (ASL) is the low bidder. CHA Consulting Engineering Inc. (CHA) has reviewed the bids and has determined that the bid submissions are complete and in accordance with the bidding documents.

ASL's bid price is approximately 33% lower than our opinion of probable construction cost estimate for this work. CHA has reviewed the scope of work with ASL and it appears they have a very good understanding of the scope of work necessary to complete this project. LCA has experience working with ASL and CHA believes they have the experience necessary to complete this project. Consequently, we recommend that LCA award this contract to ASL in the amount of \$1,206,370.

Mr. Charles Volk, P.E.

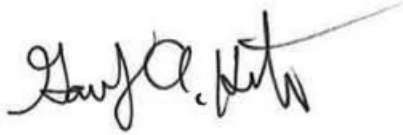
2

February 5, 2026

If you have any questions or require any additional information, please contact me at 717-575-0168.

Respectfully submitted,

CHA CONSULTING, INC.

A handwritten signature in black ink, appearing to read "Gary A. Huntington". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Gary Huntington, PE
Senior Project Manager

C: Anton Siekmann, LCA
Craig Murray, CHA



HVAC Contract No. 1				ASL Refrigeration Inc.	Master Mechanical Corp.	Worth and Company Inc.
Bid Item	Description	Quantity	Unit	Total Cost	Total Cost	Total Cost
Base Bid Lump Sum Bid Items						
HC-10	CONSTRUCTION OF ALL HVAC WORK AS INDICATED IN THE CONTRACT DOCUMENTS INCLUDING MOBILIZATION AND DEMOBILIZATION, EXCLUDING ALL UNIT COST BID ITEMS LISTED BELOW.	1	Lump Sum	\$1,117,805	\$1,453,200	\$1,357,500
Base Bid Unit Price Allowance Bid Items						
HC-20	5' LONG SECTION OF INSULATED 14" X 8" SUPPLY AIR DUCTWORK, INCLUDING HANGERS AND ACCESSORIES, INSTALLED	20	EA	\$7,400	\$4,000	\$6,000
HC-30	8' SECTION OF INSULATED 1" HOT WATER PIPING, INSTALLED.	20	EA	\$3,000	\$500	\$1,200
HC-40	COST OF A JOURNEYMAN SHEET METAL WORKER	80	HRS	\$10,240	\$8,000	\$10,400
HC-50	ADDITIONAL INSULATED GALVANIZED STEEL DUCTWORK INCLUDING HANGERS AND ACCESSORIES, INSTALLED	300	LBS	\$2,925	\$4,500	\$5,100
HC-60	ONE DIFFUSER (TAG #1) WITH A 5' LONG SECTION OF 6" DIAMETER FLEX DUCT, INSTALLED.	20	EA	\$5,000	\$1,800	\$4,800
HC-70	PERMITTING ALLOWANCE	1	LS	\$10,000	\$10,000	\$10,000
HC-80	ADDRESSING UNFORSEEN CONDITIONS ALLOWANCE	1	LS	\$50,000	\$50,000	\$50,000
TOTAL BASE BID				\$1,206,370	\$1,532,000	\$1,445,000

MEMORANDUM

Date: February 23, 2026

To: Authority Board
From: Amy Kunkel, P.E.
Subject: Suburban Division – Upper Western Lehigh Interceptor Pump Station –
Construction Phase: Contract No. 1 Change Order No. 3

MOTIONS / APPROVALS REQUESTED:

No.	Item	Amount
1	Request for Board Authorization – Capital Project Authorization Amendment No. 2	\$152,875.83
2	Construction Change Order Contract 1 – General/Process Mechanical: Blooming Glen Contractors Inc.	\$152,875.83

PROJECT BACKGROUND:

The Kline’s Island Sewer System Interim Act 537 Plan was approved by DEP in June 2021 and included construction of interim improvements in the Trexlertown area until a long-term solution is developed as part of the Regional Act 537 Plan recommendations. The Trexlertown Special Study (TSS) was prepared in late 2021 to evaluate improvement alternatives to temporarily resolve the Western Lehigh Interceptor capacity deficiencies downstream of the LCA Pretreatment Plant (PTP). The alternative recommended in the study consisted of a 2.5 million gallon per day (MGD) pump station located near the PTP, and 1.52 miles of 18” diameter force main connecting to the Upper Macungie Trunk Line (UMTL) at manhole PH3034A, located north of Route 222 and west of Grange Road in the Township park area.

CHANGE ORDER SCOPE AND OBJECTIVE:

During construction of the pump station wet well and after an extended period of wet weather, a sinkhole developed on the construction site near the two parallel interceptors that convey sewage to and from the PTP. Earth Engineering was retained by the General Contractor (Blooming Glen) to evaluate and quantify the sinkhole. The change order to repair this sinkhole was approved at the October 27, 2025 Board meeting and work was completed on November 19, 2025. We were notified by the contractor on December 22, 2025 that a second sinkhole has formed to the east of the original sinkhole and directly over the existing interceptor. Earth Engineering Inc. (EEI) was again retained by the General Contractor and reviewed the conditions and their proximity to LCA’s infrastructure and recommended that grouting be installed to minimize damage to the interceptor lines. EEI subsequently prepared a grouting plan design which calls for installation of grout at 11 injection points. The change order includes the costs for the following items:

- 1) Blooming Glen’s initial costs to excavate and monitor the sinkhole as it developed.
- 2) Earth Engineering’s costs to design a stabilization plan for the sinkhole and interceptors.
- 3) Blooming Glen’s costs to proceed with construction as per the sinkhole mitigation plan.
- 4) Monitoring of the interceptors to prevent uplift during drilling and pressure grouting.

5) Supervising construction by the geotechnical firm.

The cost to install the grouting is a conservative time and materials estimate based on recommendation from the geotechnical engineer. Note that the exact amount of drilling and grouting material required to reach bedrock is not known at this time, and actual costs will be updated upon completion of the work.

FUNDING:

This Project will be funded by the LCA Suburban Division.

PROJECT STATUS:

Startup of the pump station is scheduled to occur on February 19, 2026. Minor adjustments to the operating logic and punch list items are ongoing. Construction of the sinkhole repair will push final restoration (paving and seeding) to the Spring of 2026, weather and timing dependent.

THIS APPROVAL:

General/Process Mechanical Contract No 1 Change Order.

FUTURE AUTHORIZATIONS:

None anticipated.



1053 SPRUCE RD * P.O. BOX 3348 * ALLENTOWN, PA 18106-0348
 610-398-2503 * email: service@lehighcountyauthority.org
 www.lehighcountyauthority.org

REQUEST FOR BOARD AUTHORIZATION

Board of Directors Meeting Date: February 23, 2026
 Staff Member Requesting Authorization: Amy Kunkel
 Department: Capital Works
 Short Description / Title of Project / Purchase: Upper Western Lehigh Interceptor Pump Station
 Project Number (if applicable): MUNIS 30816

Capital Expense: (check all that apply)

- Capital Project >\$250,000
 - Construction / Other Contract(s)
 - Professional Services Authorization
 - Initial Authorization
 - Amended Authorization
- Professional Services Authorization >\$100,000
- Equipment Purchase >\$250,000
- Upsizing / Extension >\$250,000
- Aggregate Change Order >10% of contract and >\$100,000
- Stand-Alone Change Order >\$50,000

Operations Expense:

- Construction / Other Contract >\$250,000
- Professional Services Authorization >\$100,000
- Equipment / Other Individual Item >\$250,000
- Emergency Authorization >\$50,000
- Aggregate Change Order >10% of contract and >\$100,000
- Stand-Alone Change Order >\$50,000

LCA Enterprise Fund: Allentown Division Suburban Water Suburban Wastewater Internal Service / Admin

Current Project Phase: N/A (skip to Description) Planning Conceptual Design Design / Bid Construction

Prior Authorization(s):

Date	Phase	Description	Amount Authorized
2/14/2022	Design	CPA – Design Phase – Entech Engineering	\$468,600.00
12/11/2023	Construction	CPA – Construction Phase, Force Main – Pact One LLC	\$2,271,335.00
6/10/2024	Construction	CPA – Construction Phase, Pump Station – Blooming Glen Contractors	\$2,429,212.00
10/27/2025	Construction	Contract No. 1 – Sinkhole CO1 (Estimated Quantities)	\$149,981.52
1/2/2026	Construction	Contract No. 1 – Sinkhole CO2 (Final Quantities)	\$40,851.77
Total Prior Authorizations:			\$5,359,980.29

Current Authorization Requested:

Description	Amount Requested
Change Order 3 for Second Sinkhole Repair	\$152,875.83
	\$
	\$
Total Amount Requested (this authorization):	\$152,875.83

Future Authorizations:

Phase	Note / Description	Estimated Cost
	n/a	\$
		\$
Estimated Total Project Cost:		\$5,512,856.12

Short Description: (please attach supporting documentation, proposals, memos, etc.)

After repair of the prior sinkhole, a second sinkhole developed outside of the initial repair area and in the vicinity of the two parallel interceptors going in to and out of the Pre-Treatment Plant. This change order is a time and material-based estimate for the investigation, design, and repair of the sinkhole. See attached Board memo and corresponding documentation for more detail.

Purchasing Procedure: Formal Bid Request for Proposal Cooperative Purchasing Group / CoStars N/A - Emergency

Motion: _____ **Second:** _____ **Approved?** _____ **Certified by:** _____

TRANSMITTAL LETTER



BGC Water & Wastewater Services Division

Transmittal # 04455-202-063

901 Minsi Trail
Perkasie, PA 18944

Date: 1/28/2026
Phone: (215) 257-9400
Fax: (215) 258-5937

WATER & WASTEWATER SERVICES DIVISION

Project Name: 04455-202 Upper Western Lehigh Pump Station

Project #: 04455-202

To: Entech Engineering, Inc.
Attn: Dan Hopkins
201 Penn Street
P.O. Box 32
Reading, PA 19603-0032

Items listed are being sent

- Enclosed
Under Separate Cover
Via E-mail

SUBJECT: Change Order Request 7 Sinkhole #2 Repair

Phone: 610-373-6667 Fax: 610-373-7537

We are transmitting the following to you:

- Product Data, Architectural Drawings, Engineering Drawings, Samples, Letters, Change Order Requests, Submittals, Shop Drawings, Specifications, O & M Manuals, Prints, Plans, Addenda

Table with 5 columns: Item No., Item Date, Copies, For, Description. Row 1: COR 04455-202-07, 01/28/2026, 1, For Approval, Sinkhole #2 Repair

Remarks:

COPIES TO:

By: Mitchell Bonenfant

Received by: _____ Date: _____

Change Order Request



**WATER & WASTEWATER
SERVICES DIVISION**

C.O.R. # 04455-202-07

G.C. # 04455-202-07

Date: 1/26/2026

Project Name: 04455-202 Upper Western Lehigh Pump Station

Project #: 04455-202

To: Entech Engineering, Inc.
Attn: Dan Hopkins
201 Penn Street
P.O. Box 32
Reading, PA 19603-0032

From: BGC Water & Wastewater Services Division
Mitchell Bonenfant
901 Minsi Trail
Perkasie, PA 18944

Phone: 610-373-6667 **Fax:** 610-373-7537

Phone: (215) 257-9400 **Fax:** (215) 258-5937

We hereby propose to make the following changes :

Sinkhole #2 Repair

As requested, this change order request provides pricing to investigate, design, and repair the second sinkhole that was identified onsite. This includes Earth Engineerings costs to provide a design to try and stabilize the sinkhole, and the costs to proceed with the work specified in the design. This work includes installing tell tales on the existing pipelines to monitor uplift, drilling and pressure grouting at a number of locations within the affected area , and costs to provide a technician from the geotechnical engineering firm to witness the work.

This Change Order Request is presented as an estimate based on T&M predicted, and will be updated to accurately reflect actual T&M used to perform the work.

Excluded from this change order request is water. It is expected that a water connection could be provided onsite at no additional cost.

Given the current winter conditions, additional work may be required to remove snow/provide access, clean the site, etc.

Change Order Price \$152,875.83

This price is good for 5 days. If conditions change, this price is void.

We are requesting a time extension of 5 days in conjunction with this change.

Mitchell Bonenfant 1/26/2026
Author Date Sent

Accepted The above prices and specifications of this Change Order request are satisfactory and are hereby accepted. All work to be performed under same terms and conditions as specified in original contract unless otherwise specified.

Authorized Signature

Date of Acceptance

Change Order Request



**WATER & WASTEWATER
SERVICES DIVISION**

C.O.R. # 04455-202-07

G.C. # 04455-202-07

Date: 1/26/2026

Project Name: 04455-202 Upper Western Lehigh Pump Station

Project #: 04455-202

Labor

Labor Type	Man Hrs	\$/Hr	Burden	Fringe	TotalTax	Total Labor
Survey	4.00	\$102.25	\$0.00	\$0.00	\$0.00	\$409.00
Foreman	40.00	\$110.00	\$0.00	\$0.00	\$0.00	\$4,400.00
Operator	40.00	\$125.50	\$0.00	\$0.00	\$0.00	\$5,020.00
Laborer	80.00	\$84.75	\$0.00	\$0.00	\$0.00	\$6,780.00
Truck Driver	5.00	\$105.00	\$0.00	\$0.00	\$0.00	\$525.00
Sub Total					\$0.00	\$17,134.00
Grand Total					\$0.00	\$17,134.00

Materials

Materials	Quantity	Cost	TotalTax	Total Materials
Grout	300.00	\$55.00	\$0.00	\$16,500.00
Sub Total			\$0.00	\$16,500.00
Grand Total			\$0.00	\$16,500.00

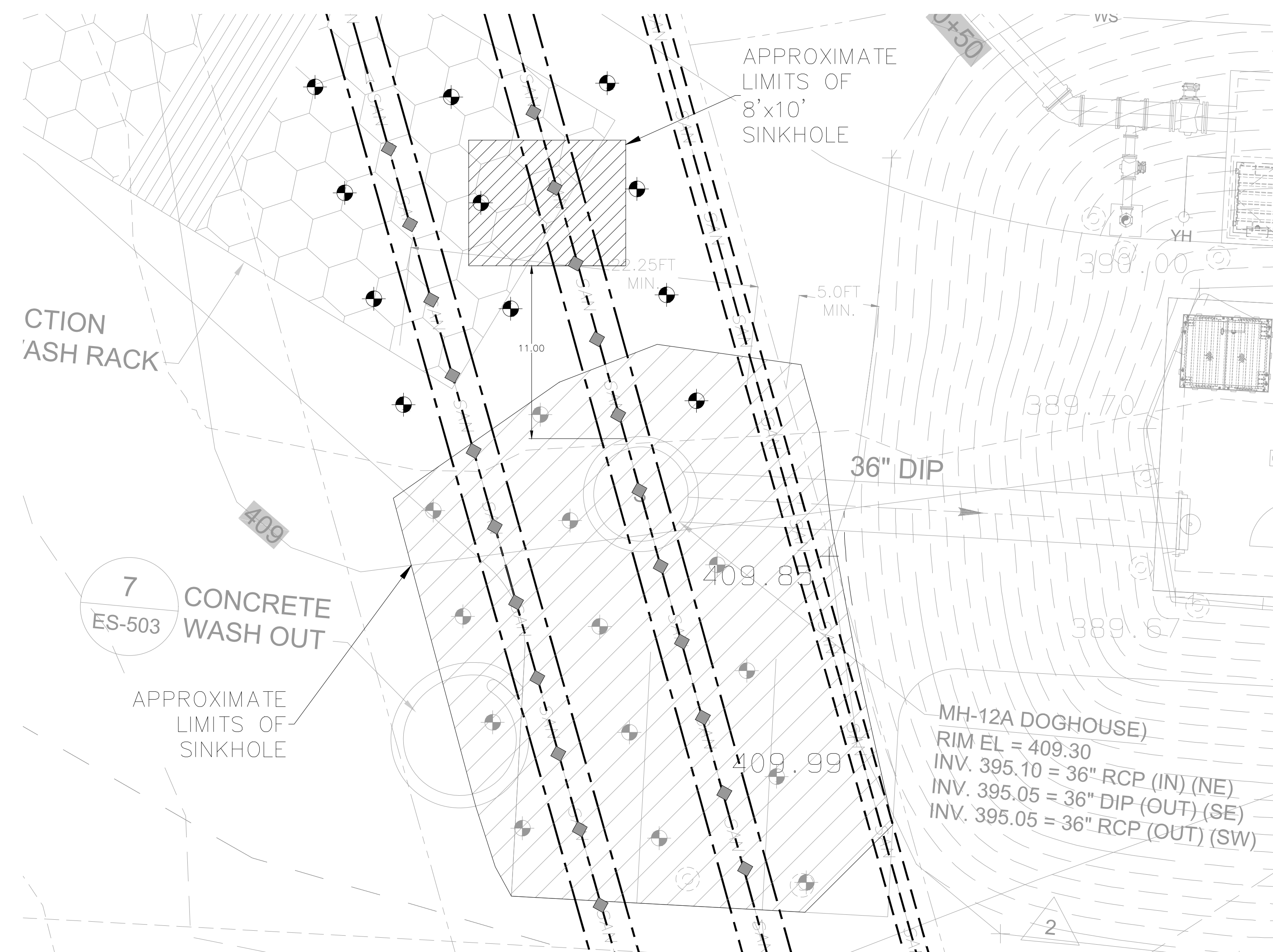
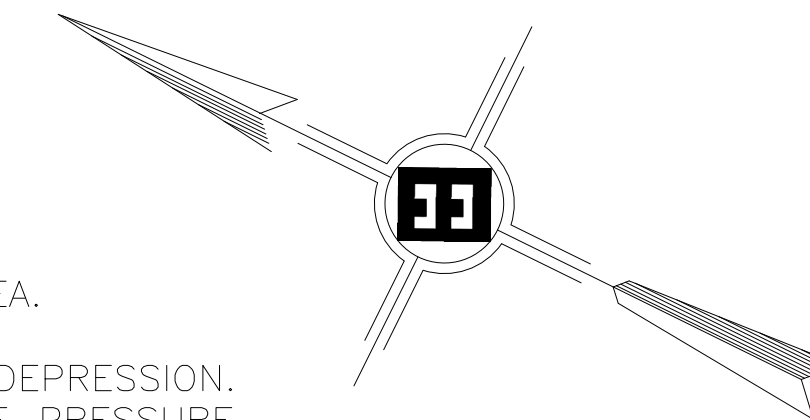
Equipment

Equipment	Quantity	Cost	TotalTax	Total Equipment
Excavator	40.00	\$96.50	\$0.00	\$3,860.00
Ramax	1.00	\$224.00	\$0.00	\$224.00
Triaxle Truck	5.00	\$75.50	\$0.00	\$377.50
Sub Total			0.00	\$4,461.50
Grand Total			0.00	\$4,461.50

Expenses

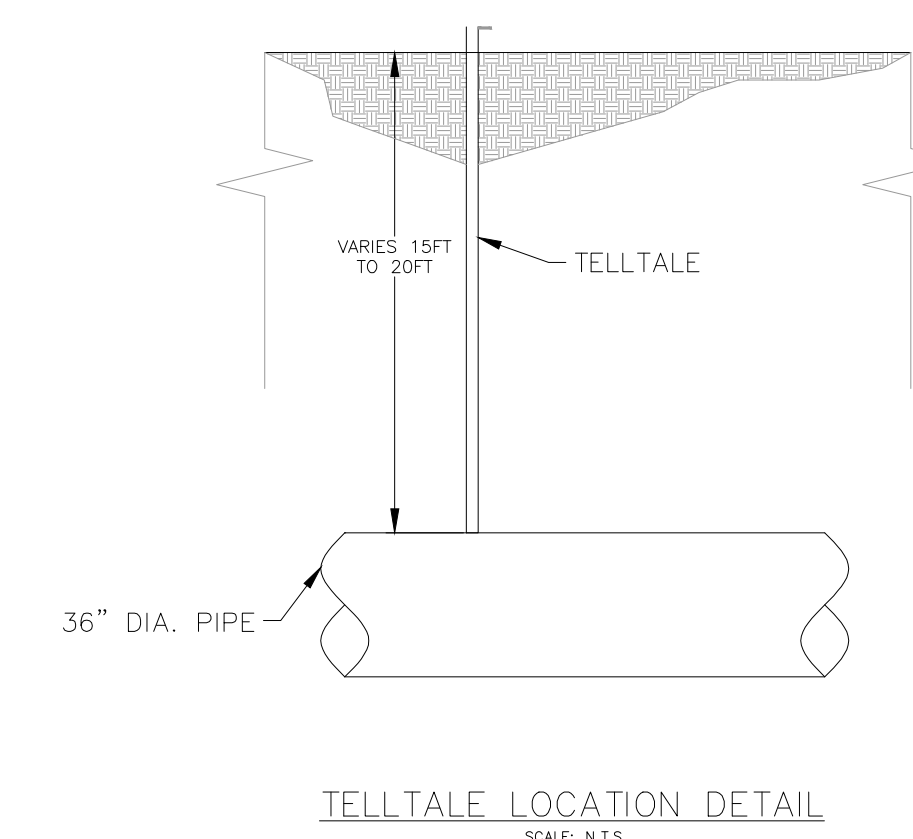
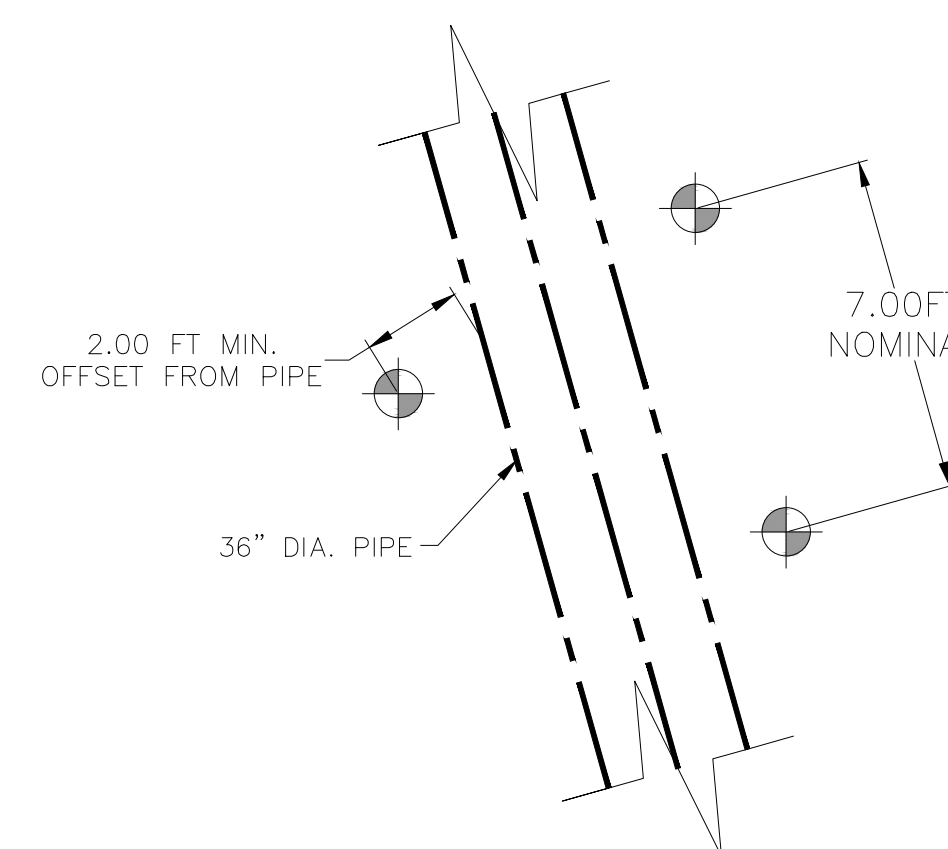
Expenses	Quantity	Cost	TotalTax	Total Expense
Mobilization	1.00	\$16,000.00	\$0.00	\$16,000.00
Drilling	550.00	\$130.00	\$0.00	\$71,500.00
EEl Design	1.00	\$1,050.00	\$0.00	\$1,050.00
EEl Sr Geologist	40.00	\$110.00	\$0.00	\$4,400.00
EEl Backfill Technician	24.00	\$70.00	\$0.00	\$1,680.00
EEl Mileage	300.00	\$0.70	\$0.00	\$210.00
Sub Total			\$0.00	\$94,840.00
Grand Total			\$0.00	\$94,840.00

Total	\$132,935.50
Overhead	\$13,293.55
Profit	\$6,646.78
Total	\$152,875.83



Notes:

- INSTALL GROUT INJECTION POINTS IN A TRIANGULAR PATTERN WITHIN THE AFFECTED AREA.
- SPACE GROUT INJECTION LOCATIONS AT 7 FT ON CENTER, AT AND AROUND SINKHOLE DEPRESSION. SECONDARY OR TERTIARY INJECTION POINTS MAY ALSO BE NECESSARY BASED ON THE PRESSURE AND GROUT TAKES RECORDED. THE GROUTING OPERATION SHALL BE WITNESSED BY A QUALIFIED REPRESENTATIVE OF THE GEOTECHNICAL ENGINEER OF RECORD.
- INSTALL 2" DIA. STEEL CASING TO BEDROCK. DRILL A MINIMUM OF 5 FT INTO ROCK TO CONFIRM PRESENCE OF BEDROCK. PLACE SAND IN HOLE AFTER CONFIRMATION OF BEDROCK AND PRIOR TO PLACEMENT OF GROUT CASING. INJECT 100 PSI GROUT IN 2 FT STAGES AND RETRACT CASING AS CUTOFF CRITERIA IS REACHED WITHIN BEDROCK AND OVERBURDEN. THE EXISTING PIPELINES/MANHOLES SHALL BE MONITORED TO PREVENT ANY MOVEMENT. HIGH MOBILITY GROUTING WILL TAKE PLACE BETWEEN THE BOTTOM OF THE GROUT INJECTION POINT TO WITHIN 5 FT OF THE BOTTOM OF THE PIPE. CONTINUE GROUTING THROUGH THE OVERBURDEN AT A REDUCED PRESSURE OF 25 PSI MAXIMUM.
- THE FOLLOWING GROUT CUT-OFF CRITERIA SHOULD BE USED AS A GUIDE FOR TERMINATION OF THE GROUTING STAGE:
 - PRESSURE CUTOFF
2PSI PER FOOT OF CASING INSTALLED, MAXIMUM OF 50 PSI
>50PSI OR FEATURE HEAVE CUT-OFF
 - SURFACE HEAVE
- 1/8IN GROUND MOVEMENT OVERTOP OF PIPES AND MANHOLES.
- PLACE TELLTALES 5 FT ON CENTER AT LOCATIONS INDICATED ON THE CROWN OF THE EXPOSED PIPES WITHIN THE EXCAVATION AND MONITOR FOR ANY VERTICAL MOVEMENT IN THE PIPES USING A LASER LEVEL. TELLTALES TO CONSIST OF #4 REBAR PLACED WITHIN THE BACKFILL OF THE PIPE EXCAVATION.
- MAXIMUM DRILLING DEPTH 50 FT.



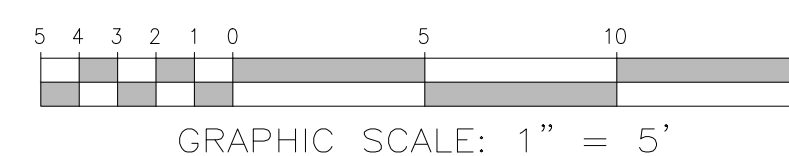
General Notes:

- Site features, utilities and general SOE locations are located on this plan set based on information taken from sheet ES-101 of the construction drawings prepared by Entech Engineering titled "Upper Western Lehigh Pump Station Project - Erosion and Sedimentation Pump Station Site Plan" dated 8/1/2024. EEL has taken reasonable measures to reflect accurate locations of these features based upon the information provided. However, EEL cannot verify the accuracy or completeness of the location of these features and is to be verified by contractor.
- Contractor to coordinate installation of grout injection locations with site features and utilities. EEL is to be notified of any conflicts between proposed locations and site features/utilities.

LEGEND

- GROUT INJECTION LOCATIONS
- APPROXIMATE LIMITS OF SINKHOLE
- TELLTALE LOCATIONS

SITE PLAN



EARTH ENGINEERING INCORPORATED

1	1/09/25	NEW SINKHOLE	JS
0	9/18/25	INITIAL SUBMITTAL	JS
No.	Date	Description	By

EARTH ENGINEERING INCORPORATED
Geotechnical Engineers & Geologists











































115 W Germantown Pike
East Norriton, PA 19401
(610) 277-0880
FAX (610) 277-0878
www.earthengineering.com

GROUT REMEDIATION SINK HOLE AT PUMP STATION
PARTIAL SITE PLAN - EXISTING FEATURES
PREPARED FOR
NW LEHIGH PUMP STATION
LEHIGH COUNTY, PENNSYLVANIA

Scale: 1" = 5'	Date: 9/18/25	Drawn By: JS	Checked By: JCP
Drawing Number: 37802.01-D-101	Approved By: JAM	Sheet No. 1 of 1	

**LEHIGH COUNTY AUTHORITY
FINANCIAL STATEMENTS
DECEMBER 2025**

**LEHIGH COUNTY AUTHORITY
YTD SUMMARY SCORESHEET
DECEMBER 2025**

	<u>Sub W</u>	<u>Sub WW</u>	<u>City</u>
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 >= Budget Target			
YTD Operating Ratio >= 1.00			
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	<u><u>10</u></u>	<u><u>10</u></u>	<u><u>9</u></u>

LEHIGH COUNTY AUTHORITY
 FINANCIAL STATEMENTS - SUMMARY
 For the Period Ended December 31, 2025 (as of 02-04-26)

	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
Income Statement															
Suburban Water	727,564	812,243	687,922	(84,679)	39,642	4,210,903	4,126,005	2,825,050	84,899	1,385,853	4,210,903	3,109,821	2,825,050	1,101,083	1,385,853
Suburban Wastewater	77,173	(63,033)	132,945	140,206	(55,772)	(605,181)	(1,107,295)	(421,780)	502,113	(183,402)	(605,181)	(1,990,849)	(421,780)	1,385,668	(183,402)
City Division	(7,707,396)	(7,344,055)	(1,891,118)	(363,341)	(5,816,278)	13,633,075	13,419,231	11,588,644	213,844	2,044,431	13,633,075	23,008,783	11,588,644	(9,375,708)	2,044,431
Total LCA	(6,902,659)	(6,594,845)	(1,070,251)	(307,815)	(5,832,408)	17,238,796	16,437,941	13,991,914	800,856	3,246,882	17,238,796	24,127,755	13,991,914	(6,888,958)	3,246,882
Cash Flow Statement															
Suburban Water	(635,864)	1,721,548	(568,679)	(2,357,413)	(67,185)	(1,586,131)	668,281	825,887	(2,254,413)	(2,412,018)	(1,586,131)	(400,000)	825,887	(1,186,131)	(2,412,018)
Suburban Wastewater	4,966,698	(845,200)	(13,770,326)	5,811,898	18,737,024	7,644,484	1,440,848	(4,645,472)	6,203,636	12,289,956	7,644,484	4,227,607	(4,278,061)	3,416,877	11,922,545
City Division	(8,181,424)	(15,757,612)	(9,629,802)	7,576,189	1,448,378	1,552,245	(7,140,944)	59,062,913	8,693,189	(57,510,668)	1,552,245	(15,865,171)	59,062,913	17,417,416	(57,510,668)
Total LCA	(3,850,590)	(14,881,263)	(23,968,807)	11,030,674	20,118,217	7,610,597	(5,031,814)	55,243,328	12,642,412	(47,632,731)	7,610,597	(12,037,564)	55,610,738	19,648,162	(48,000,141)
Debt Service Coverage Ratio															
Suburban Water	3.81	2.75	4.13	1.06	(0.33)	2.67	2.57	2.26	0.10	0.41	2.67	2.26	2.26	0.41	0.41
Suburban Wastewater	3.84	3.18	3.01	0.66	0.83	3.14	2.91	2.20	0.23	0.94	3.14	2.43	2.20	0.71	0.94
City Division	(3.82)	(0.12)	4.59	(3.70)	(8.41)	2.13	2.39	2.19	(0.25)	(0.06)	2.13	1.88	2.19	0.25	(0.06)

LEHIGH COUNTY AUTHORITY
CONSOLIDATED FINANCIAL STATEMENTS
For the Period Ended December 31, 2025 (as of 02-04-26)

STATEMENTS OF ACTIVITIES	Consolidated Financial Statements															
	Month				Year To Date				Q4 FULL YEAR FORECAST				Full Year Budget			
	Sub W	Sub WW	City	LCA	Sub W	Sub WW	City	LCA	Sub W	Sub WW	City	LCA	Sub W	Sub WW	City	LCA
Operating Revenues:																
User Charges	1,457,138	1,500,738	4,310,443	7,268,319	18,288,032	18,640,901	58,856,945	95,785,878	18,858,778	19,506,130	59,484,324	97,849,233	18,824,442	19,760,438	59,533,021	98,117,902
Connection & System Charges	397,547	77,607	250,458	725,612	1,181,639	1,511,751	7,755,143	10,448,533	1,063,204	1,457,327	7,276,563	9,797,094	1,053,435	1,694,206	3,424,580	6,172,221
Other Miscellaneous Revenues	2,160	49,077	3,075	54,312	33,405	228,876	90,523	352,805	40,045	219,754	75,244	335,043	180,683	2,683	88,609	271,975
Total Operating Revenues	1,856,845	1,627,422	4,563,977	8,048,243	19,503,076	20,381,528	66,702,612	106,587,216	19,962,027	21,183,212	66,836,131	107,981,370	20,058,560	21,457,327	63,046,210	104,562,098
Operating Expenses:																
Personnel	223,556	67,688	1,574,250	1,865,495	3,815,477	1,340,067	14,616,632	19,772,175	3,988,467	1,655,251	13,945,987	19,589,704	4,316,490	2,206,442	13,975,346	20,498,278
Shared Services - General & Administrative	49,834	17,033	275,140	342,007	699,479	250,508	2,877,488	3,827,474	680,698	290,700	2,672,314	3,643,712	1,122,516	781,682	3,272,110	5,176,308
Utilities	2,549	4,856	48,148	55,552	545,690	271,191	2,124,304	2,941,185	552,553	276,271	2,165,848	2,994,671	550,628	307,879	2,083,602	2,942,109
Materials and Supplies	61,869	33,467	279,834	375,169	652,413	301,814	3,119,861	4,074,088	1,138,510	436,373	3,215,750	4,790,633	1,373,473	689,690	3,677,870	5,741,033
Miscellaneous Services	467,899	441,139	355,142	1,264,180	5,389,674	7,668,898	2,481,354	15,539,926	5,396,505	8,473,317	2,606,332	16,476,154	4,824,648	7,969,739	2,653,796	15,448,183
Treatment and Transportation	-	400,000	-	400,000	-	5,320,368	12,865	5,333,233	-	5,301,803	12,206	5,314,009	-	4,245,970	11,685	4,257,655
Depreciation and Amortization	299,834	579,763	540,539	1,420,136	3,593,616	6,955,273	6,497,717	17,046,606	3,593,616	7,020,369	6,501,464	17,115,449	3,541,890	7,107,287	6,516,803	17,165,980
Major Maintenance Expenses	-	-	8,000,000	8,000,000	-	-	8,000,000	8,000,000	-	-	4,100,000	4,100,000	-	-	4,100,000	4,100,000
Other Miscellaneous	2,750	-	-	2,750	5,500	-	14,520	20,020	200,000	22,653	14,520	237,173	221,483	22,653	-	244,136
Total Operating Expenses	1,108,292	1,543,946	11,073,052	13,725,290	14,701,849	22,108,120	39,744,739	76,554,708	15,550,348	23,476,737	35,234,421	74,261,507	15,951,128	23,331,343	36,291,211	75,573,682
Net Operating Profit	748,553	83,476	(6,509,076)	(5,677,047)	4,801,227	(1,726,592)	26,957,873	30,032,508	4,411,679	(2,293,525)	31,601,710	33,719,863	4,107,433	(1,874,016)	26,754,999	28,988,416
Non-Operating Income (Expense)																
Interest Income	53,596	32,925	409,153	495,675	873,180	606,600	5,518,311	6,998,091	918,119	604,389	5,601,926	7,124,434	203,191	207,242	1,432,632	1,843,065
Interest (Expense)	(74,586)	(39,227)	(1,607,474)	(1,721,287)	(1,463,504)	(485,189)	(18,843,110)	(20,791,803)	(1,197,656)	(416,698)	(23,784,405)	(25,398,759)	(1,197,656)	(176,093)	(20,178,848)	(21,552,597)
Other Miscellaneous	-	-	-	-	-	1,000,000	-	1,000,000	(6,137)	998,539	-	992,403	(3,147)	(147,982)	15,000,000	14,848,871
Net Non-Operating Income (Expense)	(20,990)	(6,303)	(1,198,320)	(1,225,612)	(590,323)	1,121,410	(13,324,798)	(12,793,712)	(285,674)	1,186,230	(18,182,479)	(17,281,923)	(997,612)	(116,833)	(3,746,216)	(4,860,661)
Net Income (Loss)	727,564	77,173	(7,707,396)	(6,902,659)	4,210,903	(605,181)	13,633,075	17,238,796	4,126,005	(1,107,295)	13,419,231	16,437,941	3,109,821	(1,990,849)	23,008,783	24,127,755
CASH FLOW STATEMENT																
Cash Flows From Operating Activities																
Operating Revenues	1,856,845	1,627,422	4,563,977	8,048,243	19,503,076	20,381,528	66,702,612	106,587,216	19,962,027	21,183,212	66,836,131	107,981,370	20,058,560	21,457,327	63,046,210	104,562,098
Operating Expenses (ex D&A)	(808,458)	(964,183)	(2,532,513)	(4,305,154)	(11,108,233)	(15,152,847)	(25,247,022)	(51,508,102)	(11,956,732)	(16,456,367)	(24,632,957)	(53,046,057)	(12,409,238)	(16,224,056)	(25,674,408)	(54,307,702)
Non-Cash Working Capital Changes	717,090	786,692	(1,938,572)	(434,790)	(1,876,385)	1,836,135	1,361,007	1,320,757	371	0	(0)	371	0	0	0	0
Net Cash Provided by (Used in) Operating Activities	1,765,478	1,449,931	92,892	3,308,300	6,518,458	7,064,816	42,816,597	56,399,871	8,005,666	4,726,844	42,203,173	54,935,683	7,649,323	5,233,271	37,371,802	50,254,396
Cash Flows From Financing Activities																
Capital Contributions	-	-	-	-	-	1,000,000	-	1,000,000	-	1,000,000	-	1,000,000	-	1,000,000	-	1,000,000
Proceeds New Borrowing	-	6,000,000	-	6,000,000	-	11,000,000	-	11,000,000	-	11,000,000	-	11,000,000	-	14,850,000	-	14,850,000
Interest Payments	(246,211)	(261,145)	(7,038,781)	(7,546,136)	(1,463,504)	(431,424)	(13,692,316)	(15,587,245)	(1,197,656)	(176,093)	(13,003,690)	(14,377,439)	(1,197,656)	(176,093)	(13,515,690)	(14,889,439)
Principal Payments	(1,517,610)	(39,837)	(4,352,706)	(5,910,153)	(1,969,039)	(474,019)	(5,530,542)	(7,973,600)	(2,277,211)	(2,000,831)	(4,761,978)	(9,040,021)	(2,277,211)	(2,000,831)	(4,250,000)	(8,528,042)
Net Cash Provided by (Used in) Financing Activities	(1,763,821)	5,699,018	(11,391,487)	(7,456,289)	(3,432,543)	11,094,557	(19,222,859)	(11,560,845)	(3,474,867)	9,823,075	(17,765,669)	(11,417,460)	(3,474,867)	13,673,076	(17,765,690)	(7,567,481)
Cash Flows from Capital and Related Activities																
Non-Operating Income (Expenses)	-	-	-	-	-	-	-	-	(6,137)	(1,461)	-	(7,597)	(3,147)	(1,147,982)	15,000,000	13,848,871
Capital Expenditures, net	(646,948)	(2,459,176)	2,708,018	(398,105)	(5,243,057)	(11,391,488)	(26,440,430)	(43,074,976)	(4,774,500)	(13,738,000)	(36,061,000)	(54,573,500)	(4,774,500)	(13,738,000)	(50,580,000)	(69,092,500)
Net Cash Provided by (Used in) Capital and Related Activities	(646,948)	(2,459,176)	2,708,018	(398,105)	(5,243,057)	(11,391,488)	(26,440,430)	(43,074,976)	(4,780,636)	(13,739,461)	(36,061,000)	(54,581,097)	(4,777,647)	(14,885,982)	(35,580,000)	(55,243,629)
Cash Flows From Investing Activities																
Investments Converting To Cash	-	493,000	-	493,000	734,000	3,602,000	-	4,336,000	992,000	3,109,000	-	4,101,000	-	-	-	-
Purchased Investments	(44,170)	(249,000)	-	(293,170)	(1,036,170)	(3,332,000)	-	(4,368,170)	(992,000)	(3,083,000)	-	(4,075,000)	-	-	-	-
Interest Income	53,596	32,925	409,153	495,675	873,180	606,600	5,518,311	6,998,091	918,119	604,389	5,601,926	7,124,434	203,191	207,242	1,432,632	1,843,065
Net Cash Provided by (Used in) Investing Activities	9,426	276,925	409,153	695,505	571,010	876,600	5,518,311	6,965,921	918,119	630,389	5,601,926	7,150,434	203,191	207,242	1,432,632	1,843,065
FUND NET CASH FLOWS	(635,864)	4,966,698	(8,181,424)	(3,850,590)	(1,586,131)	7,644,484	2,671,619	8,729,971	668,281	1,440,848	(6,021,570)	(3,912,440)	(400,000)	4,227,607	(14,541,256)	(10,713,649)
DEBT SERVICE RATIO																
Debt Service Ratio (Indenture Based)																
Total Operating Revenues	1,457,138	1,500,738	4,310,443	7,268,319	18,288,032	18,640,901	58,856,945	95,785,878	18,858,778	19,506,130	59,484,324	97,849,233	18,824,442	19,760,438	59,533,021	98,117,902
Total Operating Expenses (Cash Based)	(808,458)	(964,183)	(10,532,513)	(12,305,154)	(11,108,233)	(15,152,847)	(33,247,022)	(59,508,102)	(11,956,732)	(16,456,367)	(28,732,957)	(57,146,057)	(12,409,238)	(16,224,056)	(29,774,408)	(58,407,702)
Interest Income	53,596	32,925	409,153	495,675	873,180	1,606,600	5,518,311	7,998,091	911,982	1,602,929	5,601,926	8,116,836	200,044	59,260	1,432,632	1,691,936
Annual Lease Payment (City)	-	-	(93,281)	(93,281)	-	-	(1,119,374)	(1,119,374)	-	-	(1,119,374)	(1,119,374)	-	-	(1,323,915)	(1,323,915)
Total Non-Operating Revenues (Expenses)	399,707	126,684	253,533	779,924	1,215,044	1,740,627	7,845,667	10,801,338	1,103,249	1,677,081	7,351,807	10,132,137	1,234,118	1,696,889	3,513,189	6,444,196
Cash Available For Debt Service	1,101,984	696,164	(5,652,664)	(3,854,517)	9,268,023	6,835,281	37,854,527	53,957,831	8,917,277	6,329,773	42,585,725	57,832,775	7,849,367	5,292,531	33,380,519	46,522,417
Interest Paid	99,805	14,674	1,083,641	1,198,120	1,197,656	1,76,093	13,003,690	14,377,439	1,197,656	1,76,093	13,003,690	14,377,439	1,197,656	1,76,093	13,515,690	14,889,439
Debt Retirement (Principal Payments)</																

LEHIGH COUNTY AUTHORITY
 FINANCIAL STATEMENTS - SUBURBAN WATER
 For the Period Ended December 31, 2025 (as of 02-04-26)

STATEMENTS OF ACTIVITIES	Month					Suburban - Water 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
	Operating Revenues:														
User Charges	1,457,138	1,939,866	1,424,251	(482,728)	32,887	18,288,032	18,858,778	17,500,727	(570,746)	787,305	18,288,032	18,824,442	17,500,727	(536,411)	787,305
Connection & System Charges	397,547	257,000	31,769	140,547	365,778	1,181,639	1,063,204	781,191	118,435	400,448	1,181,639	1,053,435	781,191	128,204	400,448
Other Miscellaneous Revenues	2,160	5,000	204,943	(2,840)	(202,783)	33,405	40,045	316,394	(6,640)	(282,989)	33,405	180,683	316,394	(147,278)	(282,989)
Total Operating Revenues	1,856,845	2,201,866	1,660,963	(345,022)	195,882	19,503,076	19,962,027	18,598,312	(458,951)	904,763	19,503,076	20,058,560	18,598,312	(555,485)	904,763
Operating Expenses:															
Personnel	223,556	392,993	176,413	169,437	(47,144)	3,815,477	3,988,467	4,032,115	172,990	216,639	3,815,477	4,316,490	4,032,115	501,013	216,639
Shared Services - General & Administrative	49,834	50,000	66,288	166	16,454	699,479	680,698	825,732	(18,780)	126,253	699,479	1,122,516	825,732	423,037	126,253
Utilities	2,549	25,000	21,944	22,451	19,395	545,690	552,553	492,836	6,863	(52,854)	545,690	550,628	492,836	4,938	(52,854)
Materials and Supplies	61,869	382,000	103,812	320,131	41,943	652,413	1,138,510	903,796	486,096	251,382	652,413	1,373,473	903,796	721,060	251,382
Miscellaneous Services	467,899	428,623	166,860	(39,276)	(301,040)	5,389,674	5,396,505	5,072,984	6,831	(316,690)	5,389,674	4,824,648	5,072,984	(565,026)	(316,690)
Treatment and Transportation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Depreciation and Amortization	299,834	299,834	789,581	(0)	489,747	3,593,616	3,593,616	4,065,244	(0)	471,628	3,593,616	3,541,890	4,065,244	(51,726)	471,628
Major Maintenance Expenses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Miscellaneous	2,750	200,000	8,250	197,250	5,500	5,500	200,000	8,250	194,500	2,750	5,500	221,483	8,250	215,983	2,750
Total Operating Expenses	1,108,292	1,778,450	1,333,147	670,158	224,855	14,701,849	15,550,348	15,400,956	848,499	699,107	14,701,849	15,951,128	15,400,956	1,249,279	699,107
Net Operating Profit	748,553	423,416	327,816	325,137	420,737	4,801,227	4,411,679	3,197,356	389,548	1,603,871	4,801,227	4,107,433	3,197,356	693,794	1,603,871
Non-Operating Income (Expense)															
Interest Income	53,596	70,000	75,901	(16,404)	(22,304)	873,180	918,119	697,446	(44,938)	175,735	873,180	203,191	697,446	669,989	175,735
Interest (Expense)	(74,586)	315,782	261,328	(390,368)	(335,914)	(1,463,504)	(1,197,656)	(1,091,073)	(265,848)	(372,431)	(1,463,504)	(1,197,656)	(1,091,073)	(265,848)	(372,431)
Other Miscellaneous	-	3,044	22,877	(3,044)	(22,877)	-	(6,137)	21,321	6,137	(21,321)	-	(3,147)	21,321	3,147	(21,321)
Net Non-Operating Income (Expense)	(20,990)	388,826	360,106	(409,816)	(381,096)	(590,323)	(285,674)	(372,306)	(304,649)	(218,017)	(590,323)	(997,612)	(372,306)	407,289	(218,017)
Net Income (Loss)	727,564	812,243	687,922	(84,679)	39,642	4,210,903	4,126,005	2,825,050	84,899	1,385,853	4,210,903	3,109,821	2,825,050	1,101,083	1,385,853
CASH FLOW STATEMENT															
Cash Flows From Operating Activities															
Operating Revenues	1,856,845	2,201,866	1,660,963	(345,022)	195,882	19,503,076	19,962,027	18,598,312	(458,951)	904,763	19,503,076	20,058,560	18,598,312	(555,485)	904,763
Operating Expenses (ex D&A)	(808,458)	(1,478,616)	(543,566)	670,158	(264,892)	(11,108,233)	(11,956,732)	(11,335,712)	848,499	227,480	(11,108,233)	(12,409,238)	(11,335,712)	1,301,005	227,480
Non-Cash Working Capital Changes	717,090	2,593,860	(29,786)	(1,876,769)	746,877	(1,876,385)	371	(2,619,858)	(1,876,756)	743,473	(1,876,385)	0	(2,619,858)	(1,876,385)	743,473
Net Cash Provided by (Used in) Operating Activities	1,765,478	3,317,110	1,087,611	(1,551,632)	677,867	6,518,458	8,005,666	4,642,742	(1,487,207)	1,875,716	6,518,458	7,649,323	4,642,742	(1,130,864)	1,875,716
Cash Flows From Financing Activities															
Capital Contributions	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Proceeds New Borrowing	-	-	-	-	-	-	-	5,241,371	-	(5,241,371)	-	-	5,241,371	-	(5,241,371)
Interest Payments	(246,211)	73,416	(153,555)	(319,626)	(92,656)	(1,463,504)	(1,197,656)	(1,450,802)	(265,849)	(12,703)	(1,463,504)	(1,197,656)	(1,450,802)	(265,848)	(12,703)
Principal Payments	(1,517,610)	(1,822,696)	(77,488)	305,086	(1,440,122)	(1,969,039)	(2,277,211)	(2,081,690)	308,173	112,651	(1,969,039)	(2,277,211)	(2,081,690)	308,172	112,651
Net Cash Provided by (Used in) Financing Activities	(1,763,821)	(1,749,281)	(231,043)	(14,540)	(1,532,778)	(3,432,543)	(3,474,867)	1,708,880	42,324	(5,141,423)	(3,432,543)	(3,474,867)	1,708,880	42,324	(5,141,423)
Cash Flows from Capital and Related Activities															
Non-Operating Income (Expenses)	-	3,044	(153,362)	(3,044)	153,362	-	(6,137)	(154,917)	6,137	154,917	-	(3,147)	(154,917)	3,147	154,917
Capital Expenditures, net	(646,948)	(177,325)	(1,347,786)	(469,623)	700,838	(5,243,057)	(4,774,500)	(6,077,263)	(468,557)	834,206	(5,243,057)	(4,774,500)	(6,077,263)	(468,557)	834,206
Net Cash Provided by (Used in) Capital and Related Activities	(646,948)	(174,281)	(1,501,148)	(472,667)	854,200	(5,243,057)	(4,780,636)	(6,232,181)	(462,421)	989,123	(5,243,057)	(4,777,647)	(6,232,181)	(465,410)	989,123
Cash Flows From Investing Activities															
Investments Converting To Cash	-	258,000	-	(258,000)	-	734,000	992,000	988,000	(258,000)	(254,000)	734,000	-	988,000	734,000	(254,000)
Purchased Investments	(44,170)	-	-	(44,170)	(44,170)	(1,036,170)	(992,000)	(979,000)	(44,170)	(57,170)	(1,036,170)	-	(979,000)	(1,036,170)	(57,170)
Interest Income	53,596	70,000	75,901	(16,404)	(22,304)	873,180	918,119	697,446	(44,938)	175,735	873,180	203,191	697,446	669,989	175,735
Net Cash Provided By (Used In) Investing Activities	9,426	328,000	75,901	(318,574)	(66,474)	571,010	918,119	706,446	(347,108)	(135,435)	571,010	203,191	706,446	367,819	(135,435)
FUND NET CASH FLOWS	(635,864)	1,721,548	(568,679)	(2,357,413)	(67,185)	(1,586,131)	668,281	825,887	(2,254,413)	(2,412,018)	(1,586,131)	(400,000)	825,887	(1,186,131)	(2,412,018)
DEBT SERVICE RATIO															
Debt Service Ratio (Indenture Based)															
User Charges	1,457,138	1,939,866	1,424,251	(482,728)	32,887	18,288,032	18,858,778	17,500,727	(570,746)	787,305	18,288,032	18,824,442	17,500,727	(536,411)	787,305
Operating Expenses (Cash Based)	(808,458)	(1,478,616)	(543,566)	670,158	(264,892)	(11,108,233)	(11,956,732)	(11,335,712)	848,499	227,480	(11,108,233)	(12,409,238)	(11,335,712)	1,301,005	227,480
Interest Income	53,596	73,044	98,778	(19,447)	(45,181)	873,180	911,982	718,767	(38,802)	154,413	873,180	200,044	718,767	673,136	154,413
Annual Lease Payment (City)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-Operating Revenues (Expenses)	399,707	262,000	236,712	137,707	162,995	1,215,044	1,103,249	1,097,586	111,795	117,458	1,215,044	1,234,118	1,097,586	(19,074)	117,458
Cash Available For Debt Service	1,101,984	796,294	1,216,175	305,690	(114,191)	9,268,023	8,917,277	7,981,367	350,746	1,286,656	9,268,023	7,849,367	7,981,367	1,418,657	1,286,656
Debt Service															
Interest Paid (Pro-rated)	99,805	99,805	120,900	-	(21,096)	1,197,656	1,197,656	1,450,802	-	(253,146)	1,197,656	1,197,656	1,450,802	-	(253,146)
Debt Retirement (Principal Payments) (Pro-rated)	189,768	189,768	173,474	-	16,293	2,277,211	2,277,211	2,081,690	-	195,522	2,277,211	2,277,211	2,081,690	-	195,522
Total Debt Service	289,572	289,572	294,374	-	(4,802)	3,474,867	3,474,867	3,532,491	-	(57,624)	3,474,867	3,474,867	3,532,491	-	(57,624)
Debt Service Ratio	3.81	2.75	4.13	1.06	(0.33)	2.67	2.57	2.26	0.10	0.41	2.67	2.26	2.26	0.41	0.41

LEHIGH COUNTY AUTHORITY
VARIANCE ANALYSIS - FULL YEAR
For the Period Ended December 31, 2025 (as of 02-04-26)

Suburban - Water				
STATEMENTS OF ACTIVITIES	Actual	Budget	Variance	Comments
Operating Revenues:				
User Charges	18,288,032	18,824,442	(536,411)	
Connection & System Charges	1,181,639	1,053,435	128,204	
Other Miscellaneous Revenues	33,405	180,683	(147,278)	
Total Operating Revenues	19,503,076	20,058,560	(555,485)	User charges were lower than budget while system charges and other miscellaneous somewhat offset each other
Operating Expenses:				
Personnel	3,815,477	4,316,490	501,013	
Shared Services - General & Administrative	699,479	1,122,516	423,037	
Utilities	545,690	550,628	4,938	
Materials and Supplies	652,413	1,373,473	721,060	
Miscellaneous Services	5,389,674	4,824,648	(565,026)	
Treatment and Transportation	-	-	-	
Depreciation and Amortization	3,593,616	3,541,890	(51,726)	
Major Maintenance Expenses	-	-	-	
Other Miscellaneous	5,500	221,483	215,983	
Total Operating Expenses	14,701,849	15,951,128	1,249,279	Discretionary spending was lower than budget with lower spending for personnel, G&A, utilities, and materials/supplies while services was higher to partially offset
Net Operating Profit	4,801,227	4,107,433	693,794	Lower operating expenses more than offset the lower operating revenues
Non-Operating Income (Expense)				
Interest Income	873,180	203,191	669,989	
Interest (Expense)	(1,463,504)	(1,197,656)	(265,848)	
Other Miscellaneous	-	(3,147)	3,147	
Net Non-Operating Income (Expense)	(590,323)	(997,612)	407,289	Interest income was higher and was partially offset by higher interest expense
Net Income (Loss)	4,210,903	3,109,821	1,101,083	Higher net operating income aided by favorable financial activity
CASH FLOW STATEMENT				
Cash Flows From Operating Activities				
Operating Revenues	19,503,076	20,058,560	(555,485)	
Operating Expenses (ex D&A)	(11,108,233)	(12,409,238)	1,301,005	
Non-Cash Working Capital Changes	(1,876,385)	0	(1,876,385)	
Net Cash Provided by (Used in) Operating Activities	6,518,458	7,649,323	(1,130,864)	Lower operating expenses was more than offset by unfavorable working capital movements
Cash Flows From Financing Activities				
Capital Contributions	-	-	-	
Proceeds New Borrowing	-	-	-	
Interest Payments	(1,463,504)	(1,197,656)	(265,848)	
Principal Payments	(1,969,039)	(2,277,211)	308,172	
Net Cash Provided by (Used in) Financing Activities	(3,432,543)	(3,474,867)	42,324	
Cash Flows from Capital and Related Activities				
Non-Operating Income (Expenses)	-	(3,147)	3,147	
Capital Expenditures, net	(5,243,057)	(4,774,500)	(468,557)	
Net Cash Provided By (Used In) Capital and Related Activities	(5,243,057)	(4,777,647)	(465,410)	Higher capex
Cash Flows From Investing Activities				
Investments Converting To Cash	734,000	-	734,000	
Purchased Investments	(1,036,170)	-	(1,036,170)	
Interest Income	873,180	203,191	669,989	
Net Cash Provided By (Used In) Investing Activities	571,010	203,191	367,819	Higher interest income
FUND NET CASH FLOWS	(1,586,131)	(400,000)	(1,186,131)	Lower cash from operating activities and higher capex

LEHIGH COUNTY AUTHORITY
 FINANCIAL STATEMENTS - SUBURBAN WASTEWATER
 For the Period Ended December 31, 2025 (as of 02-04-26)

STATEMENTS OF ACTIVITIES	Suburban - Wastewater														
	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
Operating Revenues:															
User Charges	1,500,738	2,211,656	1,876,848	(710,918)	(376,110)	18,640,901	19,506,130	19,809,163	(865,230)	(1,168,262)	18,640,901	19,760,438	19,809,163	(1,119,537)	(1,168,262)
Connection & System Charges	77,607	50,004	-	27,602	77,607	1,511,751	1,457,327	1,350,898	54,424	160,853	1,511,751	1,694,206	1,350,898	(182,455)	160,853
Other Miscellaneous Revenues	49,077	20,000	30	29,077	49,047	228,876	219,754	405	9,122	228,471	228,876	2,683	405	226,193	228,471
Total Operating Revenues	1,627,422	2,281,660	1,876,878	(654,238)	(249,457)	20,381,528	21,183,212	21,160,465	(801,684)	(778,937)	20,381,528	21,457,327	21,160,465	(1,075,799)	(778,937)
Operating Expenses:															
Personnel	67,688	209,021	77,392	141,333	9,704	1,340,067	1,655,251	1,654,801	315,184	314,734	1,340,067	2,206,442	1,654,801	866,375	314,734
Shared Services - General & Administrative	17,033	52,452	23,040	35,418	6,007	250,508	290,700	333,442	40,192	82,934	250,508	781,682	333,442	531,174	82,934
Utilities	4,856	11,576	9,917	6,720	5,061	271,191	276,271	263,757	5,080	(7,434)	271,191	307,879	263,757	36,689	(7,434)
Materials and Supplies	33,467	172,089	76,043	138,623	42,576	301,814	436,373	409,228	134,559	107,414	301,814	689,690	409,228	387,876	107,414
Miscellaneous Services	441,139	870,073	758,496	428,934	317,357	7,668,898	8,473,317	7,157,875	804,419	(511,023)	7,668,898	7,969,739	7,157,875	300,841	(511,023)
Treatment and Transportation	400,000	400,000	390,729	-	(9,271)	5,320,368	5,301,803	5,509,024	(18,565)	188,655	5,320,368	4,245,970	5,509,024	(1,074,398)	188,655
Depreciation and Amortization	579,763	636,356	623,278	56,593	43,515	6,955,273	7,020,369	6,954,193	65,096	(1,080)	6,955,273	7,107,287	6,954,193	152,014	(1,080)
Major Maintenance Expenses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Miscellaneous	-	22,653	227,575	22,653	227,575	-	22,653	227,575	22,653	227,575	-	22,653	227,575	22,653	227,575
Total Operating Expenses	1,543,946	2,374,219	2,186,470	830,273	642,524	22,108,120	23,476,737	22,509,895	1,368,617	401,775	22,108,120	23,331,343	22,509,895	1,223,223	401,775
Net Operating Profit	83,476	(92,559)	(309,591)	176,035	393,067	(1,726,592)	(2,293,525)	(1,349,430)	566,933	(377,162)	(1,726,592)	(1,874,016)	(1,349,430)	147,424	(377,162)
Non-Operating Income (Expense)															
Interest Income	32,925	35,000	53,059	(2,075)	(20,134)	606,600	604,389	635,893	2,210	(29,293)	606,600	207,242	635,893	399,358	(29,293)
Interest (Expense)	(39,227)	(3,506)	(2,718)	(35,722)	(36,509)	(485,189)	(416,698)	(136,537)	(68,491)	(348,653)	(485,189)	(176,093)	(136,537)	(309,096)	(348,653)
Other Miscellaneous	-	(1,968)	392,195	1,968	(392,195)	1,000,000	998,539	428,294	1,461	571,706	1,000,000	(147,982)	428,294	1,174,398	571,706
Net Non-Operating Income (Expense)	(6,303)	29,527	442,536	(35,829)	(448,839)	1,121,410	1,186,230	927,650	(64,820)	193,760	1,121,410	(116,833)	927,650	1,238,243	193,760
Net Income (Loss)	77,173	(63,033)	132,945	140,206	(55,772)	(605,181)	(1,107,295)	(421,780)	502,113	(183,402)	(605,181)	(1,990,849)	(421,780)	1,385,668	(183,402)
CASH FLOW STATEMENT															
Cash Flows From Operating Activities															
Operating Revenues	1,627,422	2,281,660	1,876,878	(654,238)	(249,457)	20,381,528	21,183,212	21,160,465	(801,684)	(778,937)	20,381,528	21,457,327	21,160,465	(1,075,799)	(778,937)
Operating Expenses (ex D&A)	(964,183)	(1,737,864)	(1,563,192)	773,680	599,009	(15,152,847)	(16,456,367)	(15,555,702)	1,303,521	402,856	(15,152,847)	(16,224,056)	(15,555,702)	1,071,209	402,856
Non-Cash Working Capital Changes	786,692	(1,047,857)	(11,329,608)	1,834,549	12,116,300	1,836,135	0	1,301,072	1,836,134	535,063	1,836,135	-	1,668,482	1,836,135	167,652
Net Cash Provided by (Used in) Operating Activities	1,449,931	(504,061)	(11,015,921)	1,953,992	12,465,852	7,064,816	4,726,844	6,905,835	2,337,972	158,981	7,064,816	5,233,271	7,273,245	1,831,545	(208,429)
Cash Flows From Financing Activities															
Capital Contributions	-	(1,968)	-	1,968	-	1,000,000	998,539	-	1,461	1,000,000	1,000,000	1,000,000	-	-	1,000,000
Proceeds New Borrowing	6,000,000	6,000,000	-	-	6,000,000	11,000,000	11,000,000	-	-	11,000,000	11,000,000	14,850,000	-	(3,850,000)	11,000,000
Interest Payments	(261,145)	(5,877)	(2,429)	(255,268)	(258,716)	(431,424)	(176,093)	(124,171)	(255,331)	(307,253)	(431,424)	(176,093)	(124,171)	(255,331)	(307,253)
Principal Payments	(39,837)	(1,564,029)	(28,231)	1,524,193	(11,606)	(474,019)	(2,000,831)	(2,906,363)	1,526,812	2,432,344	(474,019)	(2,000,831)	(2,906,363)	1,526,812	2,432,344
Net Cash Provided by (Used in) Financing Activities	5,699,018	4,428,126	(30,660)	1,270,892	5,729,678	11,094,557	9,821,614	(3,030,534)	1,272,942	14,125,090	11,094,557	13,673,076	(3,030,534)	(2,578,519)	14,125,090
Cash Flows from Capital and Related Activities															
Non-Operating Income (Expenses)	-	-	24,785	-	(24,785)	-	-	60,883	-	(60,883)	-	(1,147,982)	60,883	1,147,982	(60,883)
Capital Expenditures, net	(2,459,176)	(4,804,265)	(2,801,589)	2,345,089	342,413	(11,391,488)	(13,738,000)	(9,706,549)	2,346,512	(1,684,939)	(11,391,488)	(13,738,000)	(9,706,549)	2,346,512	(1,684,939)
Net Cash Provided by (Used in) Capital and Related Activities	(2,459,176)	(4,804,265)	(2,776,804)	2,345,089	317,628	(11,391,488)	(13,738,000)	(9,645,665)	2,346,512	(1,745,823)	(11,391,488)	(14,885,982)	(9,645,665)	3,494,494	(1,745,823)
Cash Flows From Investing Activities															
Investments Converting To Cash	493,000	-	-	493,000	493,000	3,602,000	3,109,000	2,408,000	493,000	1,194,000	3,602,000	-	2,408,000	3,602,000	1,194,000
Purchased Investments	(249,000)	-	-	(249,000)	(249,000)	(3,332,000)	(3,083,000)	(1,919,000)	(249,000)	(1,413,000)	(3,332,000)	-	(1,919,000)	(3,332,000)	(1,413,000)
Interest Income	32,925	35,000	53,059	(2,075)	(20,134)	606,600	604,389	635,893	2,210	(29,293)	606,600	207,242	635,893	399,358	(29,293)
Net Cash Provided by (Used in) Investing Activities	276,925	35,000	53,059	241,925	223,866	876,600	630,389	1,124,893	246,210	(248,293)	876,600	207,242	1,124,893	669,358	(248,293)
FUND NET CASH FLOWS	4,966,698	(845,200)	(13,770,326)	5,811,898	18,737,024	7,644,484	1,440,848	(4,645,472)	6,203,636	12,289,956	7,644,484	4,227,607	(4,278,061)	3,416,877	11,922,545
DEBT SERVICE RATIO															
Debt Service Ratio (Indenture Based)															
User Charges	1,500,738	2,211,656	1,876,848	(710,918)	(376,110)	18,640,901	19,506,130	19,809,163	(865,230)	(1,168,262)	18,640,901	19,760,438	19,809,163	(1,119,537)	(1,168,262)
Operating Expenses (Cash Based)	(964,183)	(1,737,864)	(1,563,192)	773,680	599,009	(15,152,847)	(16,456,367)	(15,555,702)	1,303,521	402,856	(15,152,847)	(16,224,056)	(15,555,702)	1,071,209	402,856
Interest Income	32,925	33,032	445,255	(107)	(412,330)	1,606,600	1,602,929	1,064,186	3,671	542,413	1,606,600	59,260	1,064,186	1,547,340	542,413
Annual Lease Payment (City)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non-Operating Revenues (Expenses)	126,684	70,004	30	56,679	126,654	1,740,627	1,677,081	1,351,303	63,546	389,325	1,740,627	1,696,889	1,351,303	43,738	389,325
Cash Available For Debt Service	696,164	576,828	758,941	119,335	(62,778)	6,835,281	6,329,773	6,668,949	505,508	166,332	6,835,281	5,292,531	6,668,949	1,542,750	166,332
Interest Paid (Pro-rated)	14,674	14,674	10,348	-	4,327	176,093	176,093	124,171	-	51,922	176,093	176,093	124,171	-	51,922
Debt Retirement (Principal Payments) (Pro-rated)	166,736	166,736	242,197	-	(75,461)	2,000,831	2,000,831	2,906,363	-	(905,532)	2,000,831	2,000,831	2,906,363	-	(905,532)
Total Debt Service	181,410	181,410	252,544	-	(71,134)	2,176,925	2,176,925	3,030,534	-	(853,609)	2,176,925	2,176,925	3,030,534	-	(853,609)
Debt Service Ratio	3.84	3.18	3.01	0.66	0.83	3.14	2.91	2.20	0.23	0.94	3.14	2.43	2.20	0.71	0.94

LEHIGH COUNTY AUTHORITY
 VARIANCE ANALYSIS - Full Year
 For the Period Ended December 31, 2025 (as of 02-04-26)

Suburban - Wastewater				
STATEMENTS OF ACTIVITIES	Actual	Budget	Variance	Comments
Operating Revenues:				
User Charges	18,640,901	19,760,438	(1,119,537)	
Connection & System Charges	1,511,751	1,694,206	(182,455)	
Other Miscellaneous Revenues	228,876	2,683	226,193	
Total Operating Revenues	20,381,528	21,457,327	(1,075,799)	Lower user charges from municipal, commercial, and haulers
Operating Expenses:				
Personnel	1,340,067	2,206,442	866,375	
Shared Services - General & Administrative	250,508	781,682	531,174	
Utilities	271,191	307,879	36,689	
Materials and Supplies	301,814	689,690	387,876	
Miscellaneous Services	7,668,898	7,969,739	300,841	
Treatment and Transportation	5,320,368	4,245,970	(1,074,398)	
Depreciation and Amortization	6,955,273	7,107,287	152,014	
Major Maintenance Expenses	-	-	-	
Other Miscellaneous	-	22,653	22,653	
Total Operating Expenses	22,108,120	23,331,343	1,223,223	Lower discretionary spending partially offset by higher treatment & transportation volumes
Net Operating Profit	(1,726,592)	(1,874,016)	147,424	Lower operating expenses more than offset lower operating revenues
Non-Operating Income (Expense)				
Interest Income	606,600	207,242	399,358	
Interest (Expense)	(485,189)	(176,093)	(309,096)	
Other Miscellaneous	1,000,000	(147,982)	1,147,982	
Net Non-Operating Income (Expense)	1,121,410	(116,833)	1,238,243	Higher miscellaneous revenues - Grants
Net Income (Loss)	(605,181)	(1,990,849)	1,385,668	
CASH FLOW STATEMENT				
Cash Flows From Operating Activities				
Operating Revenues	20,381,528	21,457,327	(1,075,799)	
Operating Expenses (ex D&A)	(15,152,847)	(16,224,056)	1,071,209	
Non-Cash Working Capital Changes	1,836,135	-	1,836,135	Favorable working capital movements
Net Cash Provided by (Used in) Operating Activities	7,064,816	5,233,271	1,831,545	
Cash Flows From Financing Activities				
Capital Contributions	1,000,000	1,000,000	-	
Proceeds New Borrowing	11,000,000	14,850,000	(3,850,000)	
Interest Payments	(431,424)	(176,093)	(255,331)	
Principal Payments	(474,019)	(2,000,831)	1,526,812	
Net Cash Provided by (Used in) Financing Activities	11,094,557	13,673,076	(2,578,519)	Lower borrowing proceeds and lower debt service
Cash Flows from Capital and Related Activities				
Non-Operating Income (Expenses)	-	(1,147,982)	1,147,982	
Capital Expenditures, net	(11,391,488)	(13,738,000)	2,346,512	
Net Cash Provided By (Used In) Capital and Related Activities	(11,391,488)	(14,885,982)	3,494,494	Lower capex and higher grant proceeds
Cash Flows From Investing Activities				
Investments Converting To Cash	3,602,000	-	3,602,000	
Purchased Investments	(3,332,000)	-	(3,332,000)	
Interest Income	606,600	207,242	399,358	
Net Cash Provided By (Used In) Investing Activities	876,600	207,242	669,358	Higher interest income
FUND NET CASH FLOWS	7,644,484	4,227,607	3,416,877	Higher cash from operations, lower capex, and higher interest income partially offset by lower borrowing

LEHIGH COUNTY AUTHORITY
 FINANCIAL STATEMENTS - CITY DIVISION
 For the Period Ended December 31, 2025 (as of 02-04-26)

STATEMENTS OF ACTIVITIES	City Division														
	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
Operating Revenues:															
User Charges	4,310,443	5,360,221	4,859,683	(1,049,777)	(549,240)	58,856,945	59,484,324	58,132,011	(627,379)	724,935	58,856,945	59,533,021	58,132,011	(676,076)	724,935
Connection & System Charges	250,458	640,006	3,694,923	(389,547)	(3,444,465)	7,755,143	7,276,563	6,480,879	478,580	1,274,264	7,755,143	3,424,580	6,480,879	4,330,563	1,274,264
Other Miscellaneous Revenues	3,075	14,061	40,406	(10,986)	(37,331)	90,523	75,244	254,620	15,279	(164,097)	90,523	88,609	254,620	1,914	(164,097)
Total Operating Revenues	4,563,977	6,014,288	8,595,012	(1,450,311)	(4,031,035)	66,702,612	66,836,131	64,867,510	(133,519)	1,835,102	66,702,612	63,046,210	64,867,510	3,656,402	1,835,102
Operating Expenses:															
Personnel	1,574,250	1,359,444	534,780	(214,806)	(1,039,470)	14,616,632	13,945,987	11,262,555	(670,645)	(3,354,077)	14,616,632	13,975,346	11,262,555	(641,285)	(3,354,077)
Shared Services - General & Administrative	275,140	217,623	141,470	(57,516)	(133,670)	2,877,488	2,672,314	2,127,095	(205,174)	(750,393)	2,877,488	3,272,110	2,127,095	394,622	(750,393)
Utilities	48,148	79,280	69,780	31,132	21,633	2,124,304	2,165,848	1,833,941	41,544	(290,363)	2,124,304	2,083,602	1,833,941	(40,702)	(290,363)
Materials and Supplies	279,834	343,745	167,591	63,911	(112,243)	3,119,861	3,215,750	3,084,944	95,889	(34,917)	3,119,861	3,677,870	3,084,944	558,009	(34,917)
Miscellaneous Services	355,142	452,270	757,613	97,128	402,471	2,481,354	2,606,332	2,537,609	124,979	56,255	2,481,354	2,653,796	2,537,609	172,442	56,255
Treatment and Transportation	-	-	-	-	-	12,865	12,206	11,933	(658)	(932)	12,865	11,685	11,933	(1,180)	(932)
Depreciation and Amortization	540,539	542,413	1,445,098	1,874	904,558	6,497,717	6,501,464	7,116,269	3,747	618,552	6,497,717	6,516,803	7,116,269	19,086	618,552
Major Maintenance Expenses	8,000,000	4,100,000	5,699,214	(3,900,000)	(2,300,786)	8,000,000	4,100,000	5,736,126	(3,900,000)	(2,263,874)	8,000,000	4,100,000	5,736,126	(3,900,000)	(2,263,874)
Other Miscellaneous	-	-	-	-	-	14,520	14,520	2,689,011	-	2,674,491	14,520	-	2,689,011	(14,520)	2,674,491
Total Operating Expenses	11,073,052	7,094,775	8,815,545	(3,978,277)	(2,257,507)	39,744,739	35,234,421	36,399,482	(4,510,318)	(3,345,258)	39,744,739	36,291,211	36,399,482	(3,453,528)	(3,345,258)
Net Operating Profit	(6,509,076)	(1,080,487)	(220,533)	(5,428,589)	(6,288,543)	26,957,873	31,601,710	28,468,029	(4,643,837)	(1,510,156)	26,957,873	26,754,999	28,468,029	202,874	(1,510,156)
Non-Operating Income (Expense)															
Interest Income	409,153	470,000	469,944	(60,847)	(60,791)	5,518,311	5,601,926	5,742,204	(83,614)	(223,893)	5,518,311	1,432,632	5,742,204	4,085,679	(223,893)
Interest (Expense)	(1,607,474)	(6,733,567)	(7,548,696)	5,126,094	5,941,222	(18,843,110)	(23,784,405)	(22,621,589)	4,941,295	3,778,479	(18,843,110)	(20,178,848)	(22,621,589)	1,335,738	3,778,479
Other Miscellaneous	-	-	5,408,167	-	(5,408,167)	-	-	-	-	-	-	15,000,000	-	(15,000,000)	-
Net Non-Operating Income (Expense)	(1,198,320)	(6,263,567)	(1,670,585)	5,065,247	472,265	(13,324,798)	(18,182,479)	(16,879,385)	4,857,681	3,554,586	(13,324,798)	(3,746,216)	(16,879,385)	(9,578,582)	3,554,586
Net Income (Loss)	(7,707,396)	(7,344,055)	(1,891,118)	(363,341)	(5,816,278)	13,633,075	13,419,231	11,588,644	213,844	2,044,431	13,633,075	23,008,783	11,588,644	(9,375,708)	2,044,431
CASH FLOW STATEMENT															
Cash Flows From Operating Activities															
Operating Revenues	4,563,977	6,014,288	8,595,012	(1,450,311)	(4,031,035)	66,702,612	66,836,131	64,867,510	(133,519)	1,835,102	66,702,612	63,046,210	64,867,510	3,656,402	1,835,102
Operating Expenses (ex D&A)	(2,532,513)	(2,452,362)	(4,360,245)	(80,151)	1,827,732	(25,247,022)	(24,632,957)	(23,547,087)	(614,065)	(1,699,935)	(25,247,022)	(25,674,408)	(23,547,087)	427,386	(1,699,935)
Non-Cash Working Capital Changes	(1,938,572)	(2,946,522)	(1,650,233)	1,007,950	(288,339)	1,361,007	(0)	(4,649,562)	1,361,007	6,010,569	1,361,007	(4,649,562)	1,361,007	6,010,569	
Net Cash Provided by (Used in) Operating Activities	92,892	615,404	2,584,534	(522,512)	(2,491,642)	42,816,597	42,203,173	36,670,861	613,423	6,145,736	42,816,597	37,371,802	36,670,861	5,444,795	6,145,736
Cash Flows From Financing Activities															
Capital Contributions	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Proceeds New Borrowing	-	-	-	-	-	-	-	55,000,000	-	(55,000,000)	-	-	55,000,000	-	(55,000,000)
Interest Payments	(7,038,781)	(6,349,752)	(9,120,082)	(689,029)	2,081,300	(13,692,316)	(13,003,690)	(13,459,853)	(688,626)	(232,464)	(13,692,316)	(13,515,690)	(13,459,853)	(176,626)	(232,464)
Principal Payments	(4,352,706)	(3,585,433)	(4,044,016)	(767,273)	(308,690)	(5,530,542)	(4,761,978)	(4,793,582)	(768,564)	(736,960)	(5,530,542)	(4,250,000)	(4,793,582)	(1,280,542)	(736,960)
Net Cash Provided by (Used in) Financing Activities	(11,391,487)	(9,935,185)	(13,164,097)	(1,456,302)	1,772,610	(19,222,859)	(17,765,669)	36,746,565	(1,457,190)	(55,969,424)	(19,222,859)	(17,765,690)	36,746,565	(1,457,169)	(55,969,424)
Cash Flows from Capital and Related Activities															
Annual Lease Payment	-	-	-	-	-	(1,119,374)	(1,119,374)	(1,361,180)	-	241,806	(1,119,374)	(1,323,915)	(1,361,180)	204,541	241,806
Non-Operating Income (Expenses)	-	-	5,408,167	-	(5,408,167)	-	-	-	-	-	-	15,000,000	-	(15,000,000)	-
Capital Expenditures, net	2,708,018	(6,907,831)	(4,928,349)	9,615,849	7,636,368	(26,440,430)	(36,061,000)	(18,735,537)	9,620,570	(7,704,893)	(26,440,430)	(50,580,000)	(18,735,537)	24,139,570	(7,704,893)
Net Cash Provided by (Used in) Capital and Related Activities	2,708,018	(6,907,831)	479,818	9,615,849	2,228,201	(27,559,804)	(37,180,374)	(20,096,717)	9,620,570	(7,463,087)	(27,559,804)	(36,903,915)	(20,096,717)	9,344,111	(7,463,087)
Cash Flows From Investing Activities															
Investments Converting To Cash	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Purchased Investments	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Interest Income	409,153	470,000	469,944	(60,847)	(60,791)	5,518,311	5,601,926	5,742,204	(83,614)	(223,893)	5,518,311	1,432,632	5,742,204	4,085,679	(223,893)
Net Cash Provided by (Used in) Investing Activities	409,153	470,000	469,944	(60,847)	(60,791)	5,518,311	5,601,926	5,742,204	(83,614)	(223,893)	5,518,311	1,432,632	5,742,204	4,085,679	(223,893)
FUND NET CASH FLOWS	(8,181,424)	(15,757,612)	(9,629,802)	7,576,189	1,448,378	1,552,245	(7,140,944)	59,062,913	8,693,189	(57,510,668)	1,552,245	(15,865,171)	59,062,913	17,417,416	(57,510,668)
DEBT SERVICE RATIO															
Debt Service Ratio (Indenture Based)															
User Charges	4,310,443	5,360,221	4,859,683	(1,049,777)	(549,240)	58,856,945	59,484,324	58,132,011	(627,379)	724,935	58,856,945	59,533,021	61,632,011	(676,076)	(2,775,065)
Operating Expenses (Cash Based)	(10,532,513)	(6,552,362)	(7,370,448)	(3,980,151)	(3,162,065)	(33,247,022)	(28,732,957)	(29,283,213)	(4,514,065)	(3,963,809)	(33,247,022)	(29,774,408)	(29,283,213)	(3,472,614)	(3,963,809)
Interest Income	409,153	470,000	5,878,111	(60,847)	(5,468,958)	5,518,311	5,601,926	5,742,204	(83,614)	(223,893)	5,518,311	1,432,632	5,742,204	4,085,679	(223,893)
Annual Lease Payment (City)	(93,281)	(110,326)	(113,432)	17,045	20,151	(1,119,374)	(1,323,915)	(1,361,180)	204,541	241,806	(1,119,374)	(1,323,915)	(1,361,180)	204,541	241,806
Non-Operating Revenues (Expenses)	253,533	654,067	3,735,329	(400,534)	(3,481,795)	7,845,667	7,351,807	6,735,500	493,860	1,110,167	7,845,667	3,513,189	3,235,500	4,332,478	4,610,167
Cash Available For Debt Service	(5,652,664)	(178,400)	6,989,244	(5,474,264)	(12,641,908)	37,854,527	42,381,184	39,965,321	(4,526,657)	(2,110,794)	37,854,527	33,380,519	39,965,321	4,474,008	(2,110,794)
Interest Paid	1,083,641	1,083,641	1,121,654	-	(38,014)	13,003,690	13,003,690	13,459,853	-	(456,162)	13,003,690	13,003,690	13,459,853	-	(456,162)
Debt Retirement (Principal Payments)	396,832	396,832	399,465	-	(2,634)	4,761,978	4,761,978	4,793,582	-	(31,604)	4,761,978	4,761,978	4,793,582	-	(31,604)
Total Debt Service	1,480,472	1,480,472	1,521,120	-	(40,647)	17,765,669	17,765,669	18,253,435	-	(487,766)	17,765,669	17,765,669	18,253,435	-	(487,766)
Debt Service Ratio	(3.82)	(0.12)	4.59	(3.70)	(8.41)	2.13	2.39	2.19	(0.25)	(0.06)	2.13	1.88	2.19	0.25	(0.06)

VARIANCE ANALYSIS - FULL YEAR
For the Period Ended December 31, 2025 (as of 02-04-26)

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

City Division			
Actual	Budget	FC Var	Comments
58,856,945	59,533,021	(676,076)	
7,755,143	3,424,580	4,330,563	
90,523	88,609	1,914	
66,702,612	63,046,210	3,656,402	Higher tapping fees and higher project reimbursement
14,616,632	13,975,346	(641,285)	
2,877,488	3,272,110	394,622	
2,124,304	2,083,602	(40,702)	
3,119,861	3,677,870	558,009	
2,481,354	2,653,796	172,442	
12,865	11,685	(1,180)	
6,497,717	6,516,803	19,086	
8,000,000	4,100,000	(3,900,000)	
14,520	-	(14,520)	
39,744,739	36,291,211	(3,453,528)	Lower discretionary spending more than offset by higher major maintenance
26,957,873	26,754,999	202,874	Higher operating revenues mostly offset by higher operating expenses
5,518,311	1,432,632	4,085,679	
(18,843,110)	(20,178,848)	1,335,738	
-	15,000,000	(15,000,000)	
(13,324,798)	(3,746,216)	(9,578,582)	Lower grants on LSLR
13,633,075	23,008,783	(9,375,708)	Higher net operating income more than offset by unfavorable non-operating activity

66,702,612	63,046,210	3,656,402	
(25,247,022)	(25,674,408)	427,386	
1,361,007	-	1,361,007	
42,816,597	37,371,802	5,444,795	Higher cash from operating activities
-	-	-	
(13,692,316)	(13,515,690)	(176,626)	
(5,530,542)	(4,250,000)	(1,280,542)	
(19,222,859)	(17,765,690)	(1,457,169)	Higher debt service
(1,119,374)	15,000,000	(16,119,374)	
(26,440,430)	(50,580,000)	24,139,570	
(27,559,804)	(35,580,000)	8,020,196	Lower capex partially offset by lower grant revenues related to LSLR
-	-	-	
-	-	-	
5,518,311	1,432,632	4,085,679	
5,518,311	1,432,632	4,085,679	Higher interest income
1,552,245	(14,541,256)	16,093,501	Higher cash from operations and lower capex

LEHIGH COUNTY AUTHORITY
 CASH & INVESTMENT SUMMARY
 For the Period Ended December 31, 2025 (as of 02-04-26)

	Suburban Water				Suburban Wastewater				City Division				Total			
	12/31/2025 Actual	2025 Forecast	2025 Budget	2024 Audited	12/31/2025 Actual	2025 Forecast	2025 Budget	2024 Audited	12/31/2025 Actual	2025 Forecast	2025 Budget	2024 Audited	12/31/2025 Actual	2025 Forecast	2025 Budget	2024 Audited
Cash																
Operating																
Unrestricted	7,748,581	9,968,331	10,929,923	9,315,874	11,888,326	1,355,710	9,817,617	(501,114)	59,806,731	38,000,526	56,340,325	16,539,187	79,443,638	49,324,568	77,087,865	25,353,947
Restricted	-	-	-	-	20,277	500,922	3,025	9,561	42,639,700	58,621,247	25,769,470	87,223,530	42,659,977	59,122,169	25,772,496	87,233,091
Total Operating	7,748,581	9,968,331	10,929,923	9,315,874	11,908,603	1,856,632	9,820,642	(491,554)	102,446,431	96,621,773	82,109,796	103,762,717	122,103,615	108,446,737	102,860,361	112,587,038
Capital																
Unrestricted	319,718	321,054	319,718	321,054	2,107,366	5,955,385	5,955,385	6,862,722	691,785	3,022,601	3,022,601	3,022,601	3,118,869	9,299,040	9,297,704	10,206,378
Restricted	-	-	-	-	338,360	338,677	338,360	338,677	7,524,574	7,500,035	7,500,035	7,500,035	7,862,934	7,838,712	7,838,396	7,838,712
Total Capital	319,718	321,054	319,718	321,054	2,445,726	6,294,062	6,293,745	7,201,399	8,216,359	10,522,636	10,522,636	10,522,636	10,981,803	17,137,752	17,136,099	18,045,090
Other Restricted																
Debt Reserves	1,682,629	1,674,161	1,907,712	1,658,337	-	-	-	-	36,975,573	31,800,765	30,004,516	31,800,765	38,658,202	33,474,926	31,912,228	33,459,102
Escrow - Developer Deposits	218,888	260,682	218,888	260,682	7,764	7,764	56,678	7,764	3,403	3,403	32,106	3,403	230,055	271,849	307,671	271,849
Total Other Restricted	1,901,517	1,934,843	2,126,600	1,919,019	7,764	7,764	56,678	7,764	36,978,976	31,804,167	30,036,622	31,804,167	38,888,257	33,746,775	32,219,899	33,730,951
Total Cash	9,969,816	12,224,229	13,376,241	11,555,948	14,362,094	8,158,458	16,171,064	6,717,610	147,641,766	138,948,577	122,669,054	146,089,521	171,973,676	159,331,264	152,216,359	164,363,078
Investments																
Operating																
Unrestricted	2,148,223	1,845,869	2,023,130	1,845,869	7,012,828	7,278,350	6,965,466	7,278,350	-	-	-	-	9,161,051	9,124,219	8,988,596	9,124,219
Restricted	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Operating	2,148,223	1,845,869	2,023,130	1,845,869	7,012,828	7,278,350	6,965,466	7,278,350	-	-	-	-	9,161,051	9,124,219	8,988,596	9,124,219
Capital																
Unrestricted	1,000,000	1,000,184	1,000,000	1,000,184	-	-	-	-	-	-	-	-	1,000,000	1,000,184	1,000,000	1,000,184
Restricted	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Capital	1,000,000	1,000,184	1,000,000	1,000,184	-	-	-	-	-	-	-	-	1,000,000	1,000,184	1,000,000	1,000,184
Other Restricted																
Debt Reserves	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Escrow	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Other Restricted	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Investments	3,148,223	2,846,053	3,023,130	2,846,053	7,012,828	7,278,350	6,965,466	7,278,350	-	-	-	-	10,161,051	10,124,403	9,988,596	10,124,403
Total Cash and Investments	13,118,039	15,070,282	16,399,371	14,402,001	21,374,921	15,436,808	23,136,530	13,995,960	147,641,766	138,948,577	122,669,054	146,089,521	182,134,726	169,455,667	162,204,955	174,487,481
Summary																
Cash																
Unrestricted	8,068,299	10,289,386	11,249,641	9,636,929	13,995,692	7,311,095	15,773,001	6,361,608	60,498,516	41,023,127	59,362,926	19,561,788	82,562,507	58,623,608	86,385,569	35,274,414
Restricted	1,901,517	1,934,843	2,126,600	1,919,019	366,401	847,363	398,063	356,001	87,143,250	97,925,450	63,306,128	126,527,733	89,411,168	100,707,656	65,830,791	128,802,754
Total Cash	9,969,816	12,224,229	13,376,241	11,555,948	14,362,094	8,158,458	16,171,064	6,717,610	147,641,766	138,948,577	122,669,054	146,089,521	171,973,676	159,331,264	152,216,359	164,077,168
Investments																
Unrestricted	3,148,223	2,846,053	3,023,130	2,846,053	7,012,828	7,278,350	6,965,466	7,278,350	-	-	-	-	10,161,051	10,124,403	9,988,596	10,124,403
Restricted	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Investments	3,148,223	2,846,053	3,023,130	2,846,053	7,012,828	7,278,350	6,965,466	7,278,350	-	-	-	-	10,161,051	10,124,403	9,988,596	10,124,403
Total Cash and Investments	13,118,039	15,070,282	16,399,371	14,402,001	21,374,921	15,436,808	23,136,530	13,995,960	147,641,766	138,948,577	122,669,054	146,089,521	182,134,726	169,455,667	162,204,955	174,201,571

CERTIFICATES OF DEPOSIT

December 2025

Fund	Bank	Location	Gross Amount	Date of Purchase	Date Due	Net Rate %
WW Capac	Fortera FCU	Clarksville, TN	248,000.00	12/17/25	12/17/27	3.750
LLRI	Belmont Savings Bank	Bellaire, OH	249,000.00	12/30/25	12/30/27	3.700

DEVELOPMENT ACTIVITY

Water system construction is occurring in the following developments:

6681 Snowdrift Road, Warehouse expansion, water, UMT
Advanced Health Care of Allentown, 1 commercial lot, LMT
Glenlivet Drive West Main extension and subdivision UMT
Grant Street Townes, 18 Townhouse, WT
Fallbrooke Residential Subdivision, 90 sf residential units, UMT
Fields at Twin Run 78 Townhomes UMiT
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, 128 Townhomes, 272 Single Homes, LMT
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
Transedge Truck Center, Warehouse, UMT
Kings Buisness Park 4873 PA RT 873, Mixed use, NWT
Carriage East Residential Development, 11 residential units, (sfd), UMT
7150 Hamilton Blvd, Bank,UMT

Water system plans are being reviewed for the following developments:

7649 Penn Drive, Warehouse expansion, water, UMT
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
1431 and 1550 Nursery Street warehouse and 36 Townhomes, UMT
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
3121 RT 309 NWT Nexus 78, Watermain Extension, Warehouse, North Whitehall
3500 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
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
Fields at Emmaus 78 Town Homes, UMT
Grant Way Building Expansion,UMT
Iron Run Estates 58 Single Home, LMT
Hamilton Square 2 Commercial Lots LMT
Heidelberg Heights 10 Townhouses water ext on lot septic, HH
Krocks Road Mixed use development
Lehigh Valley Town Center, Mixed use development, UMT
Lehigh Valley West 57, Warehouse, 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
Western Lehigh Development 2 Commercial Lots, LMT
Twin Ponds 8739 Hamilton Blvd 22 Apts and 1 Daycare UMT
PA Turnpike Lehigh Valley Interchange, UMT, Removal of domestic line.
V Parkland 9230 Long Lane, 16 Single family homes, UMT.
Western Lehigh Development 2 Commercial Lots, LMT
RT 100 Commercial Development, LMT
BBC ASRS Manufacturing, UMT
Woodmere Estates Development, UMT/LMT 100 single homes
Sunet Orchard Development, 203 townhomes, UMT
7050 Snow Drift Rd Eastern Lift Warehouse Expansion
Cove at Millbrook, 15 single family homes, LMT
NP Land Holdings, 1 lot Warehouse, LMT
Sheetz S.R 100, Gas Station, UMT
Hardt Preserve Subdivision, 26 single homes, LMT
6048 Hamilton Blvd, Dental Clinic, LMT
7Brew, Drive Threw Coffee, UMT
121 Nestle Way, 1 lot warehouse, UMT
5316 Oakview Drive, 1 lot office/ garage, UMT

DEVELOPMENT ACTIVITY

5332 PA RT 873, 1 lot Daycare, NWT
Nursery street Townhomes, Townhouses 31, UMT

Sewage Facilities Planning Modules Reviewed in Prior Month:

			GPD
128 Hamilton St Apartments	128 Hamilton Street	Allentown	6,426
249 N Front St Mixed Use Development (Revised)	249 N Front St	Allentown	16,587
Bennett Jaguar Sewer Lateral Connection	5254 Tilghman St	U Mac	470
SPOKE WITH JEFF AT DEP FOR NEEDED REVISIONS	424-434 N 11th St	Allentown	-238
SSDLIA - ASD Modular Building	2020 E Pennsylvania St (1103 N Tacoma)	Allentown	624
417 S Mountain Street	417 S Mountain St	Emmaus	560
Residential	3821 Broadway Rd	SWT	223
Coplay Apartments	2260 Quarry St (Coplay)	NWT	4,000

Lehigh County Authority

System Operations Review - January 2026

Presented: February 23, 2026

<u>Critical Activities</u>	<u>System</u>	<u>Description</u>	<u>Jan-26</u>	<u>2026 Totals</u>	<u>2025 Totals</u>	<u>Permit</u>
			<u>Daily Avg (MGD)</u>	<u>Daily Avg (MGD)</u>	<u>Daily Avg (MGD)</u>	<u>Daily Max (MGD)</u>
Water Production	Allentown	Total	22.62	22.62	22.97	39.0
		Schantz Spring	5.81	5.81	6.46	9.0
		Crystal Spring	3.87	3.87	3.88	4.0
		Little Lehigh Creek	9.59	9.59	12.05	30.0
		Lehigh River	3.35	3.35	0.57	28.0
	Central Lehigh	Total	10.36	10.36	11.38	19.04 MGD Avg
		Feed from Allentown	7.19	7.19	7.25	7.0 MGD Avg 10.5 MGD Max
		Well Production (CLD)	3.17	3.17	4.11	8.54 MGD Avg
		Sum of all (12) other Suburban Water Systems	0.14	0.14	0.15	1.71 Sum of all wells
Wastewater Treatment	Kline's Island	30.08	30.08	31.83	40.0	
	Pretreatment Plant	4.36	4.36	4.68	5.75 (design capacity)	
	Sum of all (5) other Suburban WW Systems	0.17	0.17	0.18	0.36	
			<u>Jan-26</u>	<u>2026 Totals</u>	<u>2025 Totals</u>	<u>2023 Totals</u>
Precipitation Totals (inches)			2.52	2.52	37.51	41.88
Compliance Reports Submitted to Allentown			28	28	283	278
Notices of Violation (NOVs)	(Allentown + Suburban)		0	0	5	5
Sanitary Sewer Overflows (SSOs)/Bypasses	(Allentown + Suburban)		0	0	9	17
Main Breaks Repaired	Allentown		13	13	16	27
	Suburban		0	0	16	14
Customer Service Phone Inquiries	(Allentown + Suburban)		1013	1013	13,476	16,690
Water Shutoffs for Non-Payment	(Allentown + Suburban)		39	39	2,178	2,010
Injury Accidents	(Allentown + Suburban)		Under Review	0	9	15
Emergency Declarations	Allentown		0	2 @ 15,373	2 @ 15,373	2 @ 228,181.55
	Suburban		0	1 @ \$318,754	1 @ \$318,754	1 @ 56,662.50
Significant Repairs/Upgrades:						
Description of Non-Compliance Events:						
Abnormally cold temperatures in January created significant plant and field operational challenges. Plant operations struggled with facilities experiencing nitrification disruptions due to reduced biological activity. At the same time, prolonged freezing conditions stressed the distribution system, resulting in a total of 13 water main breaks that required extensive field response and repair efforts.						
Other:						

Lehigh County Authority
System Operations Review - January 2025

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<u>Critical Activities</u>	<u>System</u>	<u>Description</u>	<u>Jan-26</u>	<u>2026 Totals</u>	<u>2025 Totals</u>
Wastewater Compliance	Allentown	Bypass	0	0	2
		Bypass Volume	0	0	111,496
		Permit Exceedances	0	0	0
		Sanitary Sewer Overflows	0	0	5
		COA Issued NOVs	0	0	1
		Regulatory Agency issued NOVs	0	0	2
	Arcadia	Bypass	0	0	0
		Bypass Volume	0	0	0
		Permit Exceedances	0	0	1
		Sanitary Sewer Overflows	0	0	0
		NOVs	0	0	0
	Heidelberg Heights	Bypass	0	0	2
		Bypass Volume	0	0	271,192
		Permit Exceedances	0	0	1
		Sanitary Sewer Overflows	0	0	0
		NOVs	0	0	0
	Lynn	Bypass	0	0	0
		Bypass Volume	0	0	0
		Permit Exceedances	0	0	2
		Sanitary Sewer Overflows	0	0	0
		NOVs	0	0	0
	Sand Spring	Bypass	0	0	0
		Bypass Volume	0	0	0
		Permit Exceedances	2	2	18
		Sanitary Sewer Overflows	0	0	0
		NOVs	0	0	0
	Wynnewood	Bypass	0	0	0
		Bypass Volume	0	0	0
		Permit Exceedances	0	0	0
		Sanitary Sewer Overflows	0	0	0
NOVs		0	0	0	
Water Compliance	Allentown	Boil Water Advisories	0	0	2
	Central Lehigh	Boil Water Advisories	0	0	0
	Suburban Water Systems	Boil Water Advisories	0	0	1