

**Aug 20, 2025**

District Engineering manages projects, consultants, contractors, and equipment suppliers. Consultant reports and Project Managers reports are included in this section along with details regarding the status of the associated study, design, or construction projects.

## **ACTIVE PROJECTS**

### **22ENG31 ADMINISTRATIVE WORKFORCE CENTER**

SCOPE: Construction and commissioning of a new 26,000 sq ft Administration Building. The building includes the addition of a new Wastewater Treatment Plant laboratory facility, administration offices, maintenance offices, break room, multi-purpose meeting room.						
Contractor: Christy- Foltz			Original Contract Price: \$14,961,550			
Engineer: AEX			Sum of Change Orders: \$(4,472.00)			
R.E. Inspector: SDD			Total Value: \$14,957,078			
Advertise	Pre-bid	Bid Open	Final Award	Notice to Proceed	Pre-Construction	Contract Completion Dates
06/25/24	07/02/24	07/30/24	09/27/24	10/09/24	10/08/24	10/9/25

**Key Activities:** Ongoing construction. Exterior and interior walls are being installed and piping, HVAC, electrical is on-going as well. Mechanical equipment is being installed in the penthouse.

Bids were received for the installation of the fire alarm system this last period.

#### **Issues:**

**Roofing System:** Contractor encountered significant deficiencies in the installation of the roofing system. 2" of rain in an hour the evening of 8/12/25 allowed rainwater to saturate installed sheets of drywall below. Ongoing issues regarding unprotected roofing materials delivered to the site for the subcontractor remain to be resolved (i.e. subcontractor accepted potentially defective rolled epdm material and did not notify anyone upon delivery there may have been an issue).

**Laboratory Cabinetry:** Supplier of the phenolic resin cabinetry is late in planning the production of the cabinets. The delivery of the cabinets is estimated to be 12 weeks out with a one-month installation time. The initial submittal was approved in January 2025.

#### **Future Change Items**

Num.	Description	Est. Value
1	Removal of excessive stone from geothermal wellfield in preparation for seeding.	\$TDB

### **25ENG18 Force Main Inspection – Asset Management Inspection Program**

Annually, the Sanitary District investigates the internal condition of portions of both gravity sewers and force mains. This years agreement is for a condition assessment of two force mains, Damon South and Larkdale.

This contract was executed 6/18/2025. Staff and RJN have performed a site visit to review the Larkdale FM and Damon South FM. The Damon South air release valves are in poor shape and need to be replaced. Staff is coordinating to get these replaced at this time. The replacement of these air release valves may cause this inspection to be delayed.

### 24ENG07 Digester #1 Cover Replacement Project

*Background:* Bids were received on 12/3/25 for the Digester #1 Cover Replacement Project. The one bid received for 4.6M exceeded the budgeted amount of 2.5M. In lieu of proceeding, further evaluation on rehab methods are being investigated.

*Update:* Staff received another draft technical memo summarizing the alternatives (including the rehabilitation options). Due to the issues associated with one of the costed alternatives staff requested an updated cost from the manufacturers for the replacement alternative.

### UPCOMING PROJECTS:

#### DESIGN – EASTSIDE INTERCEPTOR CIPP LINING

SDD entered into a design agreement with Farnsworth Group in Sept-2024 for this project. The projected timeline/status is:

- |                                                  |                                                  |
|--------------------------------------------------|--------------------------------------------------|
| 1. Submission of Facility Planning Report        | 12/2024 – Submitted                              |
| 2. Topo/Boundary Survey/Easements (adj to 05/25) | 02/2025 – In Process (field recon complete)      |
| 3. Design Engineering Complete w/cost update     | <del>03/2025</del> – 08/2025 - In Process        |
| 4. IEPA Facility Planning Approval               | 06/2025 – Pending (Submitted 2/27/25)            |
| 5. Loan Application Submittal                    | 08/2025                                          |
| 6. Advertise                                     | 08/2025                                          |
| 7. Bid Open                                      | 10/2025                                          |
| 8. SRF Loan Approval (if rank priority is given) | xx/2026* - SRF Bypass funds become avail in Jan. |
| 9. Final Award                                   | xx/2026* - After funds are made available        |

\*Because the funding for this project is an SRF loan, there is dependence on the loan being made available prior to final award.

Design is ongoing. A separate segment underneath the railroad on the Faries Parkway Branch of this sewer was found to be compromised during our annual inspection this last month. We anticipate adding this sewer segment to the lining work for this project.

No homeowner contact has been made for Temporary construction access easements at this time. These are required for the eventual contractor to gain access to inversion manholes along the length of the interceptors.

**Nutrient Planning:** Black and Veatch has provided SDD with the “preliminary scope” of work for the design firms. Staff is reviewing and will offer comment this month.

#### **Plant Sludge & Sanitary Sewer Realignment:** <<No Update>>

The TWAS (thickened sludge) pipe runs along the northern side of the existing Admin Building, linking the Thickener Building to the Primary Digester Complex. Numerous failures have occurred in this pipe, with significant corrosion noted during each repair. This project will include relocating a segment of the 12-inch plant sanitary sewer in preparation for the sewer lining work, which will address the issues associated with the failing vitrified clay pipe.

#### **Design – Miscellaneous CIPP lining Project** <<No Update>>

12” Plant Sanitary Sewer (vitrified clay pipe) was discovered during Administrative Workforce Center upgrade as needing to be repaired with a pipe liner.

**Aug 20, 2025**

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**25ENG22 Neuros Blower Installation:** The district procured a 350 HP APG Neuros high efficiency blower to replace a circa 1985 multistage Hoffman centrifugal blower as part of the blower building line-up. Prior high-efficiency blower projects have set the stage for installing two more high-efficiency blowers. Staff began planning for the installation this period. We anticipate utilizing an electrical engineer from Clark Dietz (the firm who designed 4 prior Neuros blower installation projects) to provide electrical plan reviews.

Staff is negotiating the level of effort with Clark Dietz at this time.

**INTERGOVERNMENTAL ACTIVITIES**

1. Staff has continued participating in meetings as needed with the CITY and ADM for the “NE quadrant work group” looking at water and wastewater needs in this corridor. The force main routing for the City’s new Brush College pump station has been modified to traverse the street side of the houses along Damon Ave. City is continuing to attain the easements for the force main. Staff is continuing coordination of upgrades at the DAMON pumping station.

*a. Volkert has been requested to obtain the easements on behalf of SDD.*

2. The sewer separation work the CITY is performing (Oakland and Grand Sewer Project Basin 5 & 6 Storm Sewer) is underway. The construction around the SDD Fairview structure has started.

If there are questions, please contact me at 422-6931 ext 216, or by email at [DonM@sddcleanwater.org](mailto:DonM@sddcleanwater.org).

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## **ACTIVE PROJECTS**

### **22COL12 Damon Ave. Pump Station Upgrades**

SCOPE: Project involves installation of two new electrical service duct banks, installing pre-procured dual service switchboard and ATS, and installation of contractor supplied 1600amp CT cabinet and electrical service meter bases.						
Contractor: Bodine Electric			Original Contract Price: \$ 196,830			
Engineer: SDD			Sum of Change Orders: \$0			
R.E. Inspector: SDD			Total Value: \$ 196,830			
Advertise	Pre-bid	Bid Open	Final Award	Notice to Proceed	Pre-Construction	Contract Completion Dates
07/02/24	7/9/24	8/1/24	9/27/24	9/27/24	10/15/24	90 days

**Key Activities:** Ameren has completed installation of the 34.5KV primary transformer and Bodine completed connections into the new switchgear. The station is now fully operational on both the primary and secondary line feeds. A final punch list has been compiled for Bodine Electric and will be finished in August to close out the project. SDD Engineering will coordinate the repair of fencing that was disturbed during the transformer installation.

### **22ENG43 Dewatering Wells West Cluster Relocation**

SCOPE: Boring and installation of three 36" diameter wells.						
Contractor: Brotcke Well & Pump			Original Contract Price: \$419,457			
Engineer: LRE Water			Sum of Change Orders: \$0			
R.E. Inspector: SDD			Total Value:			
Advertise	Pre-bid	Bid Open	Final Award	Notice to Proceed	Pre-Construction	Contract Completion Dates
10/30/2024	11/19/24	12/17/24	1/23/25	2/25/25	2/25/25	6/10/25

**Key Activities:** Work is complete.

restore four (4) existing wells on the south levee into operational condition. Piezometer measurements around the Nitrification Clarifiers indicate the combination of the new 36" Well #3 and the four restored wells are lowering groundwater to levels close to elevations that will enable draining the Nitrification Clarifiers for maintenance and repairs.

**Anticipated Change Order:** Additional drilling time was required. The contractor hit previously unknown construction debris as they drilled. The debris slowed drilling operations and adjustments to drilling depths were made. This required modifying well casing lengths on well #1.

Both Well #1 and #2 required additional well packing material as sand seams that were slightly different (higher) than anticipated from the soil borings. Additional well packing material was required to increase the height of the annular packed space to maximize contact with available ground water. Depths of wells were adjusted shallower and required an unanticipated field modification to cut the casing pipe down to ground level (12" above grade).

### **23ENG45 Primary Clarifiers 4 and 6 Installation**

SCOPE: Installation of pre-procured mechanisms in clarifiers #4 and #6.						
Manufacturer: Kusters Water			Purchase Price: \$1,296,742			
Contractor: Plocher Construction			Original Contract Price: \$			
Engineer: SDD			Sum of Change Orders: \$0			
R.E. Inspector: SDD			Total Value:			
Advertise	Pre-bid	Bid Open	Final Award	Notice to Proceed	Pre-Construction	Contract Completion Dates
09/03/24 - I	10/1/24	10/29/24	11/21/24	03/20/25	3/31/25	180 days

**Key Activities:**

Installation of Primary Clarifier #4 is complete and final punch-list items will be completed by the end of August.

### **25ENG17 Sewer Televising and Rating**

**SCOPE:**

The project will televise and deliver PACP ratings for 35,000 lineal feet of pipe for the following interceptors: Country Club (741), Eastside (739B), Eastside (739C), Hickory Point (721), and Spring Creek (765).

**Key Activities: Completion Percentage: 75%**

Telescan Inc. has completed televising of the Country Club and Hickory Point interceptors and the majority of the Spring Creek Interceptor. Remaining sections of the Spring Creek are dependent on accessibility through the Southside Country Club and remaining segments of 739B and 739C Eastside Interceptors are dependent on permits pending with the Norfolk and Southern Railroad.

### **22ENG60 Finley Creek Pump Station Underground Fuel Storage Tank Replacement**

**SCOPE:** The project will remove the existing underground fuel storage tank and replace it with an above ground, double-walled steel tank

**Key Activities:**

The newly installed above ground fuel tank has passed inspection by the State Fire Marshall. Petroleum Technologies Equipment (PTE) is scheduled to make final connections to the generator and excavate the existing underground storage tank in late August.

### 25MNT21 Tuckpointing 2025

SCOPE: Tuck pointing, brick replacement as necessary, replacement of caulking, replacement of expansion joints on the maintenance building and performing concrete repairs as necessary. Work will be performed on the Maintenance Complex (112/113/114/117), 203, and 217 buildings						
Contractor: Berglund Construction			Original Contract Price: \$ 80,000			
Engineer: SDD			R.E. Inspector: SDD			
Sum of Change Orders: \$0			Total Value: \$ 80,000			
Advertise	Pre-bid	Bid Open	Final Award	Notice to Proceed	Pre-Construction	Contract Completion Dates
05/16-2025	06/10/2025	07/08/2025	07/17/2025	08/13/2025	08/13/2025	120 days

#### Key Activities:

A pre-construction meeting with Berglund Construction was held on 8/13/2025. Mobilization and construction began on August 18.

### 2025 WWTP Upgrades Final Clarifiers and Aeration Gates

SCOPE: The project includes replacement of the broken floor in clarifier #11; replacement of 3 final clarifier mechanisms in the south final clarifier cluster, replacement of weir structures in the division structures and rehabilitation of 3 influent channel gates and rehabilitation of 20 gates in the nitrification aeration tanks.						
Contractor: Plocher Construction			Original Contract Price: \$ 8,417,000			
Engineer: SDD			Sum of Change Orders: \$0			
R.E. Inspector: SDD			Total Value: \$ 8,417,000			
Advertise	Pre-bid	Bid Open	Final Award	Notice to Proceed	Pre-Construction	Contract Completion Dates
04/04/2025	04/24/2025	05/20/2025	06/20/2025	9/27/24	10/15/24	450 days

**Key Activities:** Plocher has delivered a project schedule and first submittals. The Notice to Proceed has been issued. The NTP was limited to all the work except for the removal of the 4 UNOX clarifier mechanisms which will be formally removed by a future change order. The anticipated mobilization date is October 13, 2025.

Ground water around the South Cluster of clarifiers is low enough to bring the clarifiers offline and perform maintenance and begin measurements for the replacement clarifier mechanisms.

#### Future Change Items

Num.	Description	Est. Value
1	Removal the UNOX clarifier mechanism demo from the contract. (unit price)	(\$ 400,000)

August 8, 2025

Sanitary District of Decatur  
501 Dipper Lane  
Decatur, IL 62522

Attn: Don Miller, Director of Engineering

Re: Eastside Interceptor Sewer Rehabilitation - Project Status Report

Dear Don:

We are pleased to provide the following project status summary for the Eastside Interceptor Sewer Rehabilitation project.

**1. Eastside Interceptor Sewer Rehabilitation:**

1. IEPA SRF Loan Facility Planning Report – This task has been completed.
2. Construction Access – Farnsworth Group submitted temporary access easement documents to the District. District staff will conduct negotiations and obtain signatures from the property owners.
3. Design Engineering – This task is currently in process and consists of the following:
  - a. Compiling technical specifications
  - b. Compiling plan drawing set
  - c. Reviewing pipe assessment reports & manhole video inspections
  - d. Performing hydraulic analysis on pipe segments
  - e. Preparing preliminary liner thickness calculations
  - f. Preparing probable construction cost estimate

Farnsworth Group conducted a monthly project coordination meeting with District staff on August 7<sup>th</sup>. Remaining design engineering items and schedule were discussed along with SRF loan application status and action items. Plan set of drawings, contract documents, and cost estimate will be submitted to the District by August 31<sup>st</sup>.

Rehabilitation of the 739C sewer segments under the railroad will be included in the scope of work. The District will be responsible for obtaining a permit from the railroad company.

4. Bidding Coordination – Shall commence upon completion of Task No. 3 and upon authorization from the District to advertise the project for bids.
- 5A. IEPA SRF Loan Application – Loan application was submitted to the District for their review and completion of their financial projection, previous audits, and debt obligations & amortization schedules.
- 5B. IEPA SRF Loan Administration – Shall commence upon the execution of the Loan Agreement and will be ongoing during construction phase of the project.

The remaining tentative project timeline is as follows:

Loan Application Submittal	8/31/2025
Complete Design Engineering and Construction Permit Submittal	8/31/2025
Bid Opening	10/1/2025
SRF Loan Approval by IEPA (Bypass Period)	1/31/2026
Notice of Award	5/1/2026
Notice to Proceed	6/1/2026
Construction Substantially Complete	1/1/2027
Construction to Final Completion	4/1/2027

If you have any questions or need any additional information regarding the status of this project, please feel free to contact me any time. Thanks.

Sincerely,

FARNSWORTH GROUP, INC.

Shane Niedzwecki, PE  
Project Engineer





July 18, 2025

Don Miller, PE  
District Engineer  
Sanitary District of Decatur  
501 Dipper Lane  
Decatur, IL 62522

Re: Blower #5 Task Order  
Preliminary Scope and Fee

Dear Mr. Miller:

Thank you for the opportunity to provide you with our project understanding and proposed scope and fee estimate for providing drawings in support of aeration blower #5. This understanding and scope was prepared based on conversations with you over the past month. This is not a “full” qualifications package and additional details can be provided upon request.

### Project Understanding

The existing Neuros blowers that the Sanitary District of Decatur (SDD) uses for aerating the secondary treatment system were installed during two projects designed by Clark Dietz in 2011 and 2012. The four Neuros blowers installed during these two projects each have a 350 hp motor. The District recently purchased a refurbished 350 hp blower from Neuros that is similar to the four blowers already installed. SDD requests that Clark Dietz prepare installation drawings for this refurbished blower.

### Scope and Fee

The preliminary scope and fee that we have developed based on the above project understanding and our conversations with you. Our work includes:

- Review of the blower shop drawing, purchase order, and electrical and mechanical information
- Site visit to verify existing conditions are similar to the conditions in 2013 after the installation of the third and fourth Neuros blower.
- Preparation of piping plans and sections.
- Design review and preparation of electrical one-line diagrams
- Meetings with the District

The project will be advertised by the District and the District will prepare:

- Technical specifications
- Front end and contract documents



The District requested that Clark Dietz provide sufficient electrical design review to ensure that connection to the existing system will not require modification or upgrade to the connecting switchgear (SWGR-1) or the transformer that feeds that switchgear (XFMR T-14). However, the District does not require stamped electrical drawings.

We propose to do this work on a time and material basis. We estimate that this work will have a fee not-to-exceed \$16,000.

Please call me with any questions or if you need any additional information.

Sincerely,  
Clark Dietz, Inc.

Andrea Bretl, P.E.  
Vice President

E-mail: [andrea.bretl@clarkdietz.com](mailto:andrea.bretl@clarkdietz.com)