

Jan 28, 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: \$27,064					
R.E. Inspector: SDD	Total Value: \$14,988,614					
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 wall (Dri-Design Panels) installation is ongoing.

Interior walls have been finished, punch list of blemishes are being addressed. HVAC and mechanical startup is complete. Laboratory Cabinetry is complete except for punch list.

There are various windows throughout the building that need punch list attention.

Built in office casework is 95% complete. Carpet installation has started. Lockers are 95% installed.

Audio/Visual installation is in progress.

**Issues:**

1. Delay in receiving lobby and lab sample windows. The location of the shipment from the supplier is unknown.

**Future Change Items**

Num.	Description	Value
1	Add conduits for communication antennas to roof top.	\$1500 - est
2	Modify coatings in the Lobby (T&M)	\$TBD
3	Addition of electrical and data ports on lab counter.	\$TBD
4	Modified closet header (	\$TBD
5		

#### **EASTSIDE INTERCEPTOR Sewer Rehabilitation**

**SCOPE:** This interceptor was originally installed in 1953 and is experiencing various forms of failures as noted in the most recent PACP rating. The work includes Eastside Branches 739B and 739C and the main trunk from MH 9 North to 739C tie-in.

The project will include heavy cleaning, inspection, and installation of cured-in-place structural lining of 11,233 lineal feet of pipe in the Eastside interceptor system. Contractor will apply 530 vertical feet of cementitious lining to manholes and reinstate taps and connections to the interceptor as needed.

Contractor: TBD	Original Contract Price: \$TBD					
Engineer: Farnsworth Group	Sum of Change Orders: \$0.00					
R.E. Inspector: SDD	Total Value: \$TBD					
Advertise	Pre-bid	Bid Open	Final Award	Notice to Proceed	Pre-Construction	Contract Completion Dates
12/8/25	2/3/26	02/24/26	xx/xx/xx	xx/xx/xx	xx/xx/xx	xx/xx/27

**Jan 28, 2025**

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**Key Activities:** Project was advertised this period.

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

The loan application was submitted this last period.

Volkert is continuing the process of obtaining temporary construction access easements and are expected to complete them this month.

There is currently no construction-related services in the professional services agreement with Farnsworth. Staff is working on Scope and Fee for those services and expect to have an agreement ready for the board to consider in February.

**UPCOMING PROJECTS:**

**Nutrient Reduction Improvements Planning:** Ongoing coordination for the Detailed design.

- Designers have requested survey and geotechnical services for their plans. *This effort has not been included in any design effort amendment to date. Instead of having each engineering firm conduct their own study we recommend selecting one firm to conduct the work and provide the results to all firms. There is an addendum (#5) to the BV agreement before the trustees for consideration under old business.*
- BV/Clark Dietz: 30% design is completed and reviewed; 60% is expected by the first week in Feb.
- BV/Donohue: 30% design is completed and reviewed; 60% is expected by the first week in Feb.
- BV/CMT: 30% design is completed and reviewed; 60% is expected by the first week in Feb.

*Attached to this update is a DRAFT of an RFQ for Construction Management Services. Staff is recommending one overall bid package with 6 divisions of work. A couple of questions we are working through:*

1. *Does SDD want any value engineering type of services included with CM work?*
2. *Should SDD require contractor pre-qualification for CM to manage?*

**25ENG18 Force Main Inspection – Damon South FM Air Release Valve Upgrades. <<No Update>>**

The Damon South air release valves are in poor shape and need to be replaced. The cost associated will require competitive bidding to prepare for the planned force main inspection.

**Plant Solar Fields** – There is ongoing plan reviews and update calls with the solar contractors.

**INTERGOVERNMENTAL ACTIVITIES**

1. The CITY and SDD are working through easement language for the Damon Ave PS easement the CITY is needing for the force main to discharge into the station wet well.
2. Negotiations on the intergovernmental agreement with the CITY to address the rehabilitation/ownership of the Northside Interceptor repairs is ongoing. This is for the new construction required for the Brush College Pump Station force main the CITY is building.

If there are questions, please contact me at 217-462-9349, or by email at [DonM@sddcleanwater.org](mailto:DonM@sddcleanwater.org).

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**ACTIVE PROJECTS**
**2025 WWTP Upgrades Final Clarifiers and Aeration Gates**

<b>SCOPE:</b> 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:	\$	
R.E. Inspector:	SDD			Total Value:	\$ 8,417,000	
Advertise	Pre-bid	Bid Open	Final Award	Notice to Proceed	Pre-Construction	Contract Completion Dates
04/04/25	04/24/25	05/20/25	06/20/25	09/27/25	10/15/25	450 days

**Key Activities:** Sections of existing 42" and 16" pipes intended to be left in place were inspected with CCTV and found to be in good condition. Rebuilding of the center pier is underway and segments of 42" and 16" scheduled for replacement is in progress.

**25ENG98 Thickened Sludge Force Main Relocation and 12" Sanitary Sewer Improvements**

<b>SCOPE:</b> The project will replace and relocate the 8" thickened sludge force main on the north side of the 045 building. A new manhole will be installed on the 12" gravity sewer on the south side of 045 and redirected to an adjacent downstream manhole.						
Contractor:	Burdick Plumbing & Heating			Original Contract Price:	\$ 154,132	
Engineer:	SDD			Sum of Change Orders:	\$	
R.E. Inspector:	SDD			Total Value:	\$ 154,132	
Advertise	Pre-bid	Bid Open	Final Award	Notice to Proceed	Pre-Construction	Contract Completion Dates
08/29/25	10/9/25	10/10/25	10/16/26	10/17/25	10/20/25	01/07/2026

**Key Activities:** The new manhole has been installed on the 12" sewer west of 045 and the downstream pipe redirected to the nearest accessible manhole. Significant time was spent hydro-excavating due to multiple duct banks and other buried assets in the vicinity.

**Pending Change Order:**

- 1) T&M for installation of manhole for air release valve
- 2) Additional time for excavation due to unforeseen buried assets

## PENDING PROJECTS

## 24ENG07 Digester #1 Lid Replacement

SCOPE: The project will remove the existing lid and replace with a new contractor procured lid. Existing linear motion mixer mechanism will be reused with replacement of the mixing equipment.

Contractor:	Original Contract Price: \$					
Engineer:	Sum of Change Orders: \$					
REI:	Total Value: \$					
Advertise	Pre-bid	Bid Open	Final Award	Notice to Proceed	Pre-Construction	Contract Completion Dates
12/02/25	12/17/2025	01/14/2026				

**Key Activities:** Bids were opened January 14<sup>th</sup>. The bid tab and low bid from Grunloh Building Inc. is presented for consideration.

## 25ENG22 Neuros Blower #5 Installation

SCOPE: The project will remove the existing 600HP Hoffman blower and install an owner procured Neuros NX350 high efficiency turbo blower.

Contractor:	Original Contract Price: \$					
Engineer:	Sum of Change Orders: \$					
R.E. Inspector:	Total Value: \$					
Advertise	Pre-bid	Bid Open	Final Award	Notice to Proceed	Pre-Construction	Contract Completion Dates
01/06/2026	02/12/2026	03/05/2026				

**Key Activities:** Project is advertised for bids.

## Taylor Avenue Storm Water Conveyance Structure

SCOPE: Channeled storm water from Sunset Ave. and Taylor Ave. has created a washout over the easement of the New Main Interceptor (752). A large crevasse has developed, destabilizing the supporting soils around the pipe. The project will install a pre-cast storm water collection structure, install two (2) 14" storm water conveyance pipes over the asset, and stabilize the soils around the interceptor to prevent further erosion.

**Key Activities:** Project specifications are in development.

## 22ENG11 Eastmoreland Pump Station Replacement

SCOPE: Valves, piping, and pump rails are deteriorated beyond repair. Proximity of the station to Lost Bridge Road creates safety hazards for SDD staff while performing inspections and repairs. The project will install a new wet well offset from the road with new piping, valves, and fittings.

**Key Activities:** Project specifications are in development.

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### **25ENG09 Road Projects**

**SCOPE:** Asphalt and concrete patching is required at multiple locations in the plant and outside facilities. The project will perform warranty work for three South Shores private drives, patch asphalt from the TWAS and Sanitary Sewer projects, repair concrete curbs and gutters in the plant, improve the Finley Creek Pump station access drive, and replace an electrical manhole frame.

**Key Activities:** Project specifications are in development.

### **Fence Projects**

**SCOPE:** Fencing replacement is required at Damon PS is due to sections removed to perform the electrical upgrades and Ameren mandated transformers. New fencing is needed at Finley Creek pump station for protection of the newly installed above ground fuel storage tank.

**Key Activities:** Project specifications are in development.

**AMENDMENT NO. 5**  
**To Agreement between Owner and Engineer**  
**Engineering Scope of Services**  
**Nutrient Program Management**

**OBJECTIVE**

This is an Amendment attached to and made a part of the professional services agreement ("Agreement") dated January 26, 2022, between the Sanitary District of Decatur, (hereinafter "OWNER" or "SDD"), and Black & Veatch Corporation, (hereinafter "ENGINEER") (collectively "the Parties") for professional engineering services in association to the Nutrient Program Management Project.

**CONTRACT AMENDMENTS**

- AMENDMENT NO. 5: Survey and Geotechnical Services

**SUMMARY OF AMENDMENT**

Amendment No. 05 is to provide survey and geotechnical services in accordance with Attachment A hereto.

**COMPENSATION FOR CONSULTING SERVICES**

The Agreement, including Amendment Nos. 1, 2, 3, and 4, established a not-to-exceed amount of \$8,433,903 for Conceptual Design Development and Detailed Design Support with a Program Management total not-to-exceed of \$14,004,060. This Amendment shall increase the Conceptual Design Development and Detailed Design Support Task by \$114,700 for a Task total of \$8,548,603 and a Nutrient Program Management total not-to-exceed \$14,118,760.

Payment shall be due and payable upon statement receipt by OWNER to ENGINEER in accordance with Attachment B, Compensation.

This Amendment, together with the Agreement, constitutes the entire agreement between the parties, and supersedes prior communication between the parties (whether written or oral) relating to the subject matter of this Amendment.



IN WITNESS WHEREOF, the parties, by and through their duly authorized representatives, have executed this AMENDMENT TO THE AGREEMENT FOR THE PROFESSIONAL SERVICES BETWEEN THE SANITARY DISTRICT OF DECATUR AND BLACK & VEATCH CORPORATION as of the date below.

SANITARY DISTRICT OF DECATUR

BLACK & VEATCH CORPORATION

BY: \_\_\_\_\_

BY: \_\_\_\_\_

Printed

Name: \_\_\_\_\_

Printed

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

BY: \_\_\_\_\_

Printed

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

## ATTACHMENT A

### **SCOPE OF SERVICES NUTRIENT PROGRAM MANAGEMENT AMENDMENT NO. 05 – SURVEY AND GEOTECHNICAL SERVICES**

#### **SCOPE OF SERVICES**

Replace Paragraph H.ii.3.g. Geotechnical Services with the following:

##### **H. Conceptual Design Development and Detailed Design Support Services**

- ii. Detailed Design
  - 3. Detailed Design Services
    - g. Survey and Geotechnical Services
      - i. Survey Services
        - 1. ENGINEER will procure survey services to implement the improvements outlined in the Conceptual Design Report. The compilation of information will be used for program-specific projects.
        - 2. CONSULTANT will submit request to ENGINEER for services, if necessary for design, by the Kickoff workshop. (Complete)
        - 3. Surveying will be completed in two areas - the first surveying site is at the SDD WWTF and include the general areas around the following facilities: Nitrification Clarifiers, Secondary Clarifiers, Primary Channel, MLSS Channel, Aeration Basins, Secondary Aeration Tanks, Blower Building, Blower Intake Structure, PE Pipe, Ferrous Building, Chlorine Contact Tank, and the SE & ESW Junction Structure. The second surveying site is at the SDD Wyckles Lagoon Facilities and includes the general areas around the E & W Lagoons. Spot locations shall also be surveyed to obtain the vertical elevation of weirs, tops of walls (tanks and structures), wall thicknesses of structures, manhole rim elevations, manhole cuts & pipe invert elevations (pipe penetrations or openings within structures), finish slab elevations for structures, water surface elevations (lagoons), etc.
        - 4. Signed and sealed reproducible AutoCAD drawings of the survey, including the new and existing survey benchmarks, will be prepared.
    - ii. Geotechnical Services
      - 1. ENGINEER will procure geotechnical services to implement the improvements outlined in the Conceptual Design Report. The compilation of information will be used for program-specific projects.
      - 2. CONSULTANT will submit request to ENGINEER for services, if necessary for design, by the Kickoff workshop. CONSULTANT request will include requested locations of Geotechnical boring(s) and desired boring depth(s). (Complete)

3. Geotechnical services will include Standard Penetration Test (SPT) exploration consisting of seven (7) total SPT borings. Four (4) of the SPT borings shall be extended to a maximum depth of 25 feet, three (3) to a max depth of 40 feet, or refusal, whichever occurs first. If auger refusal occurs before a depth of 30 feet, then 10 feet of rock core sampling shall be performed.
4. Split-spoon and Shelby tube samples will be recovered at the boring locations, as appropriate. Samples will be attempted at intervals of 2 feet in the upper 10 feet, and intervals of 5.0 feet thereafter. Hand penetrometer measurements will be taken on each cohesive sample in the field, and observations for the presence and elevations of groundwater shall be documented. If groundwater is encountered, record elevations of groundwater when it is first encountered, at the completion of the boring, and 24 hours after completion of the boring for each boring location.
5. Corrosive condition tests will be performed of the soils and groundwater at two borings. Tests will be performed at depths of 5 and 15 feet at each of these borings. The purpose of the tests is to determine if conditions warrant the use of special coatings or wraps of buried piping or if the soils will be aggressive toward concrete. Test procedures shall include evaluation of resistivity, pH, oxidation-reduction potential, sulfides, and stray current.
6. Boring locations will be reviewed for potential conflicts with existing utilities. Ground Penetrating Radar (GPR) will be utilized at proposed boring locations with a minimum scan radius of 10 feet to a depth of 6 feet below existing grade. Scan data shall be prepared and reviewed before utilizing other boring/drilling equipment. GPR Utility locating services will be provided for all seven (7) boring locations. Encumbrances encountered beyond the range of GPR shall be provided as Supplemental Services.
7. Where borings are located in pavement, pavement will be saw cut to provide a 2 foot by 2 foot section of removed pavement. Borings will be backfilled with drilling spoils to the surface and provide compacted crushed rock, suitable for pavement subbase, as a temporary pavement patch. Excess excavated materials and removed pavement will be removed from the site.
8. A Geotechnical Report documenting pertinent information will be produced by a qualified geotechnical firm interpreting data from the exploratory work and testing and establishing anticipated site conditions. The report will indicate the types and performance of subsurface material that is expected to be encountered, types of excavations to be anticipated and recommendations for footings, foundations, and dewatering.

**ATTACHMENT B****COMPENSATION  
NUTRIENT PROGRAM MANAGEMENT  
AMENDMENT NO. 05 – SURVEY AND GEOTECHNICAL SERVICES****COMPENSATION**

For the services covered by Amendment No. 05, Owner agrees to pay ENGINEER as follows:

A. Services provided by ENGINEER's employees shall be invoiced by ENGINEER and paid by OWNER based on the actual time billed to the project at hourly billing rates specified for personnel performing the services plus approved reimbursable expenses in an amount summarized as follows:

<b>Year</b>	<b>Total Estimated Hours</b>	<b>Subconsultant Estimated Fee</b>	<b>Total Estimated Fee</b>
2025-2026	450	\$114,700	\$114,700
<b>TOTAL</b>	<b>450</b>	<b>\$114,700</b>	<b>\$114,700</b>

Estimated Fees are not capped on a line-item basis and may be re-allocated as the need arises upon prior written approval from OWNER.

B. The OWNER shall reimburse ENGINEER's expenses in accordance with the professional services agreement dated January 26, 2022.

**Compensation Summary**  
**Nutrient Program Management**

<b>Tasks</b>	<b>Initial</b>	<b>Amend 1</b>	<b>Amend 2</b>	<b>Amend 3</b>	<b>Amend 4</b>	<b>Amend 5</b>	<b>Total</b>
Task 1 Program Mgmt	\$ 1,324,194						\$ 1,324,194
Task 2 Pretreatment Program Update	\$ 153,320						\$ 153,320
Task 3 Phosphorus Discharge and Optimization	\$ 127,059						\$ 127,059
Task 4 Watershed Support Services	\$ 710,689	\$ 310,590	\$ 76,230				\$ 1,097,509
Task 5 Comprehensive WRRF Upgrade Plan	\$ 1,228,432						\$ 1,228,432
Task 6 Feasibility Study	\$ 111,644						\$ 111,644
Task 7 Pilot and Demonstration Testing	\$ 1,527,998						\$ 1,527,998
Task 8 Conceptual Design Dev_DD Support	\$ 778,903			\$ 1,178,000	\$ 6,477,000	\$ 114,700	\$ 8,548,603
<b>Total</b>	<b>\$ 5,962,238</b>	<b>\$ 310,590</b>	<b>\$ 76,230</b>	<b>\$ 1,178,000</b>	<b>\$ 6,477,000</b>	<b>\$ 114,700</b>	<b>\$ 14,118,760</b>

\*Amendment No. 1: Supplemental services by Geosyntec for development of the NARP.

\*Amendment No. 2: Supplemental services by Geosyntec for development of the Integrated Plan Workplan.

\*Amendment No. 3: For BV to provide detailed design services management.

\*Amendment No. 4: For subconsultants to provide detailed design services.

\*Amendment No. 5: To provide survey and geotechnical services

**Sanitary District of Decatur**  
**CONTRACTOR PROPOSAL - BID TABULATION**

Project: **24ENG07 Digester #1 Cover Replacement**

Bid Date: **1/14/2026**

Bid Time: **10:00 AM**

				Engineers Estimate		Christy-Foltz		Plocher Construction		Grunloh Building Inc.	
Item #	Pay Item	QTY	UOM	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
1	All work except for items No. 2 and No. 3	1	LS	\$ 4,255,734	\$ 4,255,734	\$ 4,594,152	\$ 4,594,152	\$ 4,491,200	\$ 4,491,200	\$ 3,278,040	\$ 3,278,040
2	Section 02 10 00 Remove and screen digester contents from below elevation 593.00	1	LS	\$ 230,000	\$ 230,000	\$ 229,000	\$ 229,000	\$ 218,000	\$ 218,000	\$ 313,149	\$ 313,149
3	Section 02 10 00 High pressure wash and clean digester tank.	1	LS	\$ 30,000	\$ 30,000	\$ 25,000	\$ 25,000	\$ 10,000	\$ 10,000	\$ 6,203	\$ 6,203
				\$ 4,515,734.00		\$ 4,848,152.00		\$ 4,719,200.00		\$ 3,597,392.00	
<b>TOTAL BID AS READ:</b>											

% Diff from Eng Estimate -20%

**NOTE:** This digester cover is a painted carbon steel cover. Stainless steel was an alternative that was screened out prior to bidding as suppliers were indicating the cost of the cover was 1.4M higher than carbon steel. That was consistent with the cost we received when bidding out the 316SS originally.

While the low bidder is 20% below the estimates, follow up conversations with Grunloh indicate they intend to proceed with construction by building the cover on the ground and lifting into place. This is a different construction method than the other two contractors contemplated. Grunloh is confident in their bid price.



Donohue & Associates, Inc.  
1605 South State Street, Suite 1C | Champaign, IL 61820  
217.352.9990 | [donohue-associates.com](http://donohue-associates.com)

January 19, 2026

Sanitary District of Decatur  
501 S. Dipper Lane  
Decatur, IL 62522

Attn: Mr. Don Miller, PE  
Director of Engineering

Re: SDD Project 24ENG07 – Digester No. 1 Cover Replacement  
Bid Award Recommendation Letter

Dear Don,

On January 14, 2026, the District opened sealed bids for the 24ENG07 – Digester No. 1 Cover Replacement project. The project contains replacing the cover on Digester No. 1 with a new floating, radial beam style cover made from painted carbon steel. As the attached Bid Tabulation shows, three bids were received. The low bid was received from Grunloh Building Inc. of Effingham, Illinois, who's Bid was \$3,597,392. During the design of the project, Donohue estimated that the project would cost \$4,515,734. As one can see, the low base bid has come in 20.3% under the engineer's cost estimate.

After the bid opening, Donohue had a conversation with Grunloh regarding the difference in value of their bid compared to the other two bidders. Grunloh indicated that they plan to construct the new cover on the ground and lift it into place. The other two contractors planned to construct the cover within the digester structure instead. Grunloh estimated that the cover (without ballast blocks) will weigh roughly 100,000-pounds. They will utilize a 160,000-pound crane to lift the cover into place, and will install the ballast blocks after the cover is set in the structure. While the contractor remains responsible for any and all means and methods of construction, Donohue takes no exception to the approach. During our conversation, Grunloh reaffirmed their confidence in the bid price and chosen construction means and methods.

Donohue has worked on 5 projects over the past 3 years where Grunloh Building served as General Contractor, those include:

1. Urbana-Champaign Sanitary District – 2023 Improvements – \$36,269,691
2. Village of Rantoul – WWTP Improvements Phase 1 – \$15,778,980
3. Sangamon Valley Public Water District (Mahomet) – WWTP Improvements – \$9,241,601
4. Village of Kenney – WWTP & Lift Station Improvements – \$3,783,771
5. City of Tuscola – Master Meter Station Replacement – \$696,543

Donohue views Grunloh to be a responsive and responsible contractor. Donohue recommends the contract be awarded to Grunloh Building Inc.

Enclosed please find three (3) copies of the Notice of Award and one copy of the Bid Tabulation. If the Board approves the award of this contract during its next meeting, please sign all three copies and forward all three copies of the Notice of Award back to me and I will have Grunloh sign them as well. Eventually, I will re-send it back to you with all the signed contract documents in a bound specification booklet ("executed contract"). Please call me at 217-903-4437 if you have any questions about this.

Sincerely,

**DONOHUE & ASSOCIATES, INC.**

Terrence K. Boyer, P.E.  
Project Manager