RESOLUTION 2026-11-03

Awarding GIS Services Contract to Colliers Engineering and Design

WHEREAS, the Authority is currently in need of updating its Geographic Information System (GIS); and

WHEREAS, the Authority and Colliers Engineering & Design (CED) have successfully completed a Pilot/Proof of Concept GIS Project; and

WHEREAS, the Authority is desirous of continuing to build on the Pilot Project; and

WHEREAS, the Authority has received CED proposal ESA0115P for $120,760.00 that will expand the Pilot Program to an additional 30 miles of sewer lines; and

WHEREAS, the Authority has appointed CED as a Project Engineer; and

WHEREAS it would be in the best interests of the Authority to continue to expand the GIS to better understand, and ensure the accuracy of the location, asset information, and condition of the assets in their collection system; and

WHEREAS, the Authority has adequate funding for this project

NOW, THEREFORE, BE IT RESOLVED, by the Eatontown Sewerage Authority, as follows:

1. That the Authority shall award the Contract based on CED Proposal ESA0115P for $120,760.00 to Colliers Engineering & Design
2. That the Executive Director and staff are authorized to execute any and all documents necessary to effectuate this resolution.

ROLL CALL	Moved	Seconded	Affirmative	Negative	Abstain	Absent
Ken East	X		X			
Greg Seitz			X			
John Sciarappa			–			X
William Diedrichsen		X	X			
Juan Vazquez			X			

The foregoing is a true copy of a resolution adopted by the governing body of the Eatontown Sewerage Authority on November 10, 2026.

Robert A. Villée

ROBERT A. VILLEE, Executive Director

DATED: November 10, 2026

101 Crawfords Corner Road,
Holmdel, NJ 07733
Main: 877 627 3772

Colliers
Engineering
& Design

September 30, 2026

Rob Villee, Executive Director
Eatontown Sewerage Authority
47 Broad Street
Eatontown, NJ 07724

Proposal for Professional Services
2027 GIS/GPS Services
Proposal No.: ESA0115P

Dear Mr.Villee:

Colliers Engineering & Design, Inc. (CED) is pleased to submit this proposal to continue the professional GIS/GPS services initiated in 2026, known as the "Eatontown Sewerage Authority's GIS pilot project". Building on the pilot effort, our team will continue reviewing, standardizing, field verifying, and integrating the Authority's sanitary sewer system data into the Authority's Esri ArcGIS Online Account.

Our field verification efforts of the sanitary sewer system will run parallel with the Authority's vendor, SewerAI subsurface data collection efforts. This will provide the Authority with a complete field verification effort for surface feature location and subsurface system conditions, resulting in a 100% field verified system area.

We are focusing the 2027 GIS/GPS services to encompass a 30 mile roadway corridor to field truth and incorporate the sanitary sewer collection system data to the Authority's GIS program. We will utilize the existing mapping and reference materials for this 30 mile project area, to support our field efforts. Note that the project area mileage we are recommending could be adjusted downward to meet budgetary constraints.

At the completion of this project the Authority will have access to a reliable sanitary sewer collection system database covering an additional 30 miles of the system area, manageable within the ArcGIS Online GIS Program.

This proposal is divided into two sections as follows:

Section I – Scope of Services
Section II - Client Contract Authorization

The order in which the following scope of services are presented generally follows the sequence in which the project will be accomplished; however, depending on the project, the various authorized services contained in this proposal may be performed in a sequence as deemed appropriate by Colliers Engineering & Design to meet project schedules.

Colliers
Engineering & Design

Section I – Scope of Services

Based on our conversations and information noted above, we propose to complete the following:

Task 1 – Continued Review of Existing Data

CED will continue the review of existing Eatontown Sewerage Authority historic data records catalogued during the pilot program. This review will build upon the pilot project and establish the source information to be incorporated into the expanded sanitary sewer GIS program.

Our team will assess the historic record documents and other available datasets for completeness, relevance, spatial accuracy, coordinate system consistency, attribute content, and duplication. Applicable information will be cataloged and prepared for continued standardization and migration, while data gaps or records requiring field confirmation will be identified for coordination with the field verification effort in Task 3.

Task 2 – Continued Data Standardization & Migration

CED will continue standardizing and migrating the sanitary sewer asset data identified through Task 1 into the Authority's standardized Esri Data Management schema. Existing and newly identified records through our field efforts and SewerAI's field efforts, will be aligned to the consistent geodatabase structure, including standardized asset classifications and attributes such as manhole depths, pipe materials, sizes, invert information, and flow directions.

The continued migration will support consistent use of the data in web maps, field applications, and future asset management workflows. The result will be a consolidated and standardized sanitary sewer GIS database that incorporates the most current available records and supports the field-verified data developed under Task 3.

Task 3 – Sanitary Sewer Field Verification

CED will perform field verification and an onsite survey of approximately 30 miles of the Authority's sanitary sewer system. The work will be coordinated with SewerAI so that GIS field activities and SewerAI's inspection efforts are aligned by location and schedule. Field observations will be used to verify sanitary sewer asset locations, attributes and to address data gaps identified during Tasks 1 and Task 2.

CED will collect applicable information for accessible sanitary sewer assets, which include manhole cover diameter, rim elevation, structure type, visible material, invert depths, connectivity, field comments and photographs. Asset locations will be collected using centimeter grade GNSS equipment, with available positional accuracy and receiver metadata stored with the corresponding GIS features. Verified field information will be incorporated into the master GIS database.

Field activities will be planned in coordination with the Authority and SewerAI to support efficient coverage of the approximately 30-mile project area. The Authority will provide directions on what 30 mile project area we will focus on for this project.

Work within roadways and rights-of-way will be performed using appropriate field staffing and safety procedures. Access limitations, unsafe conditions, or assets that cannot be located or opened will be documented for follow-up.

Task 4 – GIS Data Deliverables and ArcGIS Online Update

CED will provide the updated sanitary sewer data in geodatabase format to the Authority's ArcGIS Online Account. The deliverable will incorporate the applicable existing records, migrated data, and field-verified information developed through Tasks 1 through 3. CED will adjust the web map that consolidates all updated and newly collected sanitary sewer information in one accessible location.

Schedule of Fees

For your convenience, we have broken down the total estimated cost of the project into the categories identified within the scope of services. Our rates and Business Terms will fall under the appropriate Engineering contract with CED at the time of project start.

Fee Schedule Per Task	Task Cost
Task 1 – Continued Review of Existing Data	$5,000.00
Task 2 – Continued Data Standardization and Migration	$5,000.00
Task 3 – Sanitary Sewer Field Verification (30 Miles) 1 Field Tech	$98,960.00
Task 4 – GIS Data Deliverables/AGOL Update and Map	$11,680.00
Total	**$120,760.00**

Exclusions and Understandings

Services relating to the following items are not anticipated for the project or cannot be quantified at this time. Therefore, any service associated with the following items is specifically excluded from the scope of professional services within this agreement.

- Our field verification of sanitary sewer surface features will cover up to 30 miles of linear roadway
- CED will identify buried, debris-filled, or inaccessible manholes and revisit up to 50 manholes after they have been cleared by the Authority.
- Confined-space entry, law-enforcement traffic control, excavation, and subsurface utility designation are excluded.
- Traffic control will be provided by the Borough police or ESA staff for structures in high traffic areas.
- Engineering design, hydraulic modeling, permitting, construction documents, and legal survey services are excluded.
- Custom applications, dashboards, integrations, and asset management system interfaces not specifically described in the Scope of Services are excluded.

Colliers
Engineering & Design

- Any other services not expressly identified in the Scope of Services are excluded.

If an item listed herein, or otherwise not specifically mentioned within this agreement, is deemed necessary, Colliers Engineering & Design may prepare an addendum to this agreement for your review, outlining the scope of additional services and associated professional fees regarding the extra services.

Section II – Client Contract Authorization

I hereby declare that I am duly authorized to sign binding contractual documents. I also declare that I have read, understand, and accept this contract.

Signature	Date
Printed Name	Title

If you find this proposal acceptable, please sign where indicated above in Section II, and return one signed copy to this **Payment terms are NET30 of receipt of invoice**. This proposal is valid until January 31, 2027.

We very much appreciate the opportunity of submitting this proposal and look forward to performing these services for you.

Sincerely,

Colliers Engineering & Design, Inc.

Robert Gullo, GISP
Department Manager

Suzanne Zitzman, GISP
Discipline Leader
GIS Asset Management Services

cc: Leonardo E. Ponzio, PLS, Colliers Engineering & Design (via email)

\\corp.collierseng.com\files\PROP\Year\2026\26014480P - ESA GIS\ESAXXX RG_villee_GIS services.docx