



**WILLIAM N. MALIN, P.E.**

*Client Representative / Project Manager  
Authority / Municipal Services Department*

**Education:**

The University of Delaware – 1983 – B.S., Civil Engineering

**Employment History:**

1987 – Present     Carroll Engineering Corporation, Warrington, PA, Project Manager  
1984 – 1986        S.T. Hudson Engineers, Inc., Philadelphia, PA

**Professional Registration:**

Registered Professional Engineer: Pennsylvania – PE-038598-E

**Key Qualifications:**

Mr. Malin is responsible for work performed by the department for municipal sewer, sewer and water authority, and private clients. He supervises and directs an engineering staff that provides planning, design and construction management services on projects for water supply and sewerage. Beyond these supervisory and design responsibilities, Mr. Malin has represented several municipalities and municipal authorities in the Five County area. General client representative duties include staff and public meeting attendance, regulatory agency compliance and liaison, rate evaluations, budgeting, bond reports, Act 537 Plans, Chapter 94 Reports, grant preparation, system operations, customer inquiries, review of new land development proposals, conceptual planning and project costing for capital improvement projects, bid services and construction administration, sewage management programs and grinder pump management ordinances.

- *Westtown Township, Chester County, PA*

- *Willistown Township, Chester County, PA*

- *East Bradford Township, Chester County, PA*

Township Wastewater Engineer – Client Representative. Duties include supervision of all engineering activities; Act 537 Plan preparation; sewage management program evaluation and reporting; system planning, design and construction; system rehabilitation; financing, cost controls and certifications; inter-municipal agreements; public meeting attendance, customer inquiries; regulatory agency liaison and compliance; grant applications

- *West Brandywine Township Municipal Authority, Chester County, PA*

Authority Engineer – Client Representative. Duties include supervision of all engineering activities; system planning, design and construction; system rehabilitation; financing, cost controls and certifications; inter-municipal agreements; public meeting attendance; regulatory agency liaison and compliance; rate studies, budget certifications, and trust indenture certifications; grant applications.

- *Sewer Condition Evaluation, Westtown Township, Chester County, PA*

Utilizing a sewer televising firm as sub-consultant to Carroll Engineering to televise and document the condition of Westtown Township's sewer system as part of the development of a larger capital improvement program. Televising and reporting is being done using GIS locating so that data obtained in the field can be directly imported into Westtown's GIS mapping.

- *Sewer Capital Improvement Program, Westtown Township, Chester County, PA*

Evaluating Westtown Township's sewer system to determine capital life cycle costs for replacement of system components. Rate structure will be evaluated to determine required rates to maintain a capital reserve fund that would be self-sustaining over the life of the system components.

- *Sewage Management Program Evaluation and Reporting, Westtown Township, Chester County, PA*

Coordinated with Township staff and used Westtown Township's sewage management database application to extract on-lot system inspection data, and collate and review on-lot system inspection reports. Prepared Township wide GIS mapping of inspection results. Prepared annual DEP reporting for submission by the Township.



- *West Wynn I Act 537 Plan Special Study, Westtown Township, Chester County, PA*

Evaluated and mapped sewage management program data to identify sewage disposal needs in the neighborhood. Prepared a report to DEP that updated a component of Westtown's prior Township wide Act 537 Plan. The Special Study will serve as a template for a comprehensive Township wide update of Westtown's Act 537 Plan due to DEP in 2023.

- *Act 537 Sewage Facilities Plans, Horsham Township, Montgomery County, PA*

Supervised comprehensive updates to Horsham Township's Official Plan in 1993, 1996, 2002 and 2006-2011. The current Township wide plan addresses expansion and upgrade of Horsham Water and Sewer Authority's Park Creek Sewage Treatment Plant including total maximum discharge load (TMDL) criteria issued by EPA/DEP, the Authority's capacity requirements at the Upper Moreland – Hatboro Joint Sewer Authority treatment plant and the redevelopment of the Willow Grove Naval Air Station – Joint Reserve Base.

- *Act 537 Sewage Facilities Plans, East Bradford Township, Chester County, PA*

Supervised a comprehensive update to East Bradford Townships Official Plan. Sewage disposal needs were identified and alternatives evaluated to allow continued use of on-lot disposal systems in the majority of the Township, thus avoiding costly infrastructure construction and increased development pressures.

- *Act 537 Sewage Facilities Plans, West Brandywine Township, Chester County, PA*

Reviewed proposed changes to the Township's Sewer Ordinance. Provided comments and recommendations to West Brandywine Township and West Brandywine Township Municipal Authority, so the Township could obtain final approval of the Act 537 Plan. Provided updated information on the Authority's sewer system, finances and Authority plans for implementation of public sewer options in the Act 537 Plan. Attended meetings with elected officials, staff and consultants at the Township and DEP. Provided updated sewer system information to the Township's Consultant for incorporation in the Township's response to DEP comments.

- *Upgrade/Expansion Park Creek Treatment Plant, Horsham Township, Montgomery County, PA*

Supervised the planning, design, permitting and construction administration for a \$20 million upgrade and expansion of the Park Creek Sewage Treatment Plant from 1.0 MGD to 2.25 MGD. Upgrade included addressing year-round total nitrogen and reduced phosphorus limits. The project also included the addition of biosolids processing, increase in the hydraulic capacity of the plant to meet future peak flows, and a new garage building with offices, locker room and kitchen. Also obtained land development approval for the project from Horsham Township.

- *Sanitary Sewer System, Horsham Township, Montgomery County, PA*

Supervised the planning, design and construction of over three dozen sewer extension projects covering 50 miles of collector sewers and interceptors, sewage pump stations and the Park Creek Sewage Treatment Plant over a 25 year period.