



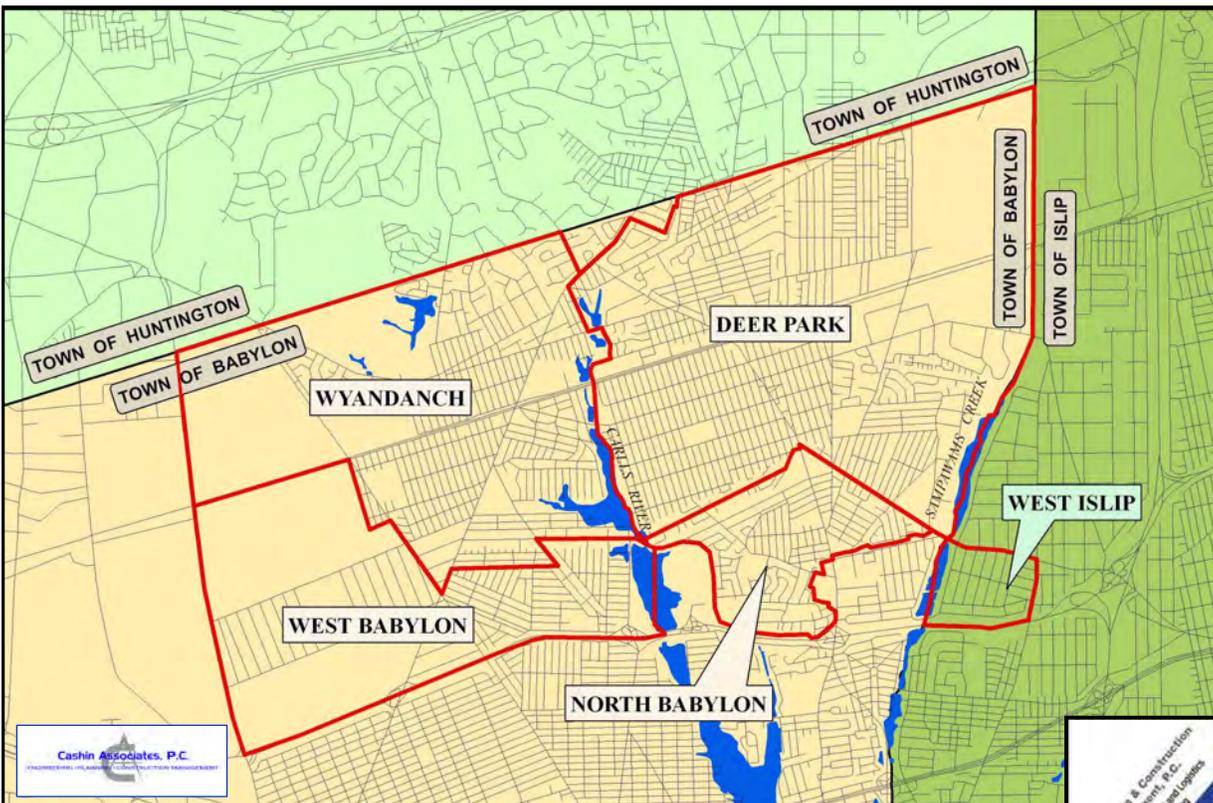
Sewer District No. 3 Southwest Sewer District Service Area Expansion Feasibility Study

Project Background

The Suffolk County Department of Public Works has authorized the study of the costs, benefits, and overall feasibility of sanitary sewerage various locations throughout the County. These studies will provide the County with the technical information and direction necessary to address the enhancement and development of wastewater collection and management opportunities. Certain communities near Suffolk County Sewer District No. 3 ("Southwest Sewer District") have been preliminarily identified as lacking suitable wastewater treatment infrastructure needed to meet economic development, workforce housing, and environmental protection goals.

Project Scope and Purpose

The Suffolk County Sewer District No.3 - Southwest Expansion Project involves the development of a Feasibility Study to identify the sanitary sewage collection and treatment infrastructure needed to serve the communities of Deer Park, North Babylon, West Babylon, Wyandanch (including a portion of Wheatley Heights) and West Islip. Maps of the expansion areas being considered in each community are provided at the end of this fact sheet. Ensuring the availability of sanitary sewers has the potential to increase business investment, provide more employment opportunities, increase the availability of workforce housing, improve and protect water quality and provide overall greater environmental protection in these five communities. Based on the results of the on-going Feasibility Study, sanitary sewerage may be implemented in one or more of the study areas. The Feasibility Study will include cost/benefit analysis of constructing facilities to address future demands for services and an environmental assessment will be provided for any recommendations to be implemented. The project recommendations will be summarized in a feasibility report that will be made available to the public.



Map of Overall Study Area.
See maps of the individual expansion areas being considered in each community at the end of this fact sheet



February 16, 2012



What is the Service Area of the Suffolk County Sewer District No. 3?

Suffolk County Sewer District No. 3 is located in the southwestern quadrant of the County and includes portions of the Towns of Islip, Babylon and a small area of Huntington. The District includes an area of approximately 57 square miles, with over 950 miles of sewer lines and 14 remote pumping stations. The existing Sewer District No. 3 service area is approximately 95% residential. The wastewater treatment plant (WWTP) serving the District was activated in October 1981 and is located in Bergen Point, West Babylon and, thus, is commonly referred to as the "Bergen Point WWTP." The facilities were designed to provide secondary wastewater treatment for an average daily flow of 30 million gallons per day (MGD) plus a scavenger waste flow of 0.5 MGD. The estimated population of the sewer district is approximately 340,000 people. Expansion of the district would allow additional communities to connect to the facility.

What are the Basic Components of a Public Sewer System?

A "public sewer system" includes plastic or iron collection piping with manholes every 300-400 feet to facilitate maintenance. Wastewater is conveyed to the treatment facility by gravity or with the assistance of a pump station. Pumping is required when collection systems are lengthy or changes in topography make "lifting" of sewage necessary. Treatment facilities have screening equipment to capture oversized materials and settling tanks to remove sand and grit. Biological treatment systems reduce the concentrations of pollutants such as nitrogen and organic compounds. Disinfection reduces effluent pathogen levels prior to its discharge to groundwater or into bays and harbors. Pollutant concentrations in wastewater effluent are regulated to protect our drinking water aquifers and coastal waters.

What Other Sewering Options Exist in Suffolk County?

Approximately seventy percent of Suffolk County's 1.5 million residents have an on-site sanitary wastewater treatment and disposal system. These systems include a septic tank or cesspool for solids settling, connected to leaching pools to allow clarified water to seep into the ground. Homeowners must periodically pump out their septic tanks and less frequently install new leaching pools once drainage slows down. Many of the on-site systems in established communities are more than 40 years old and may not be functioning properly. The Feasibility Study will also consider enhanced on-site treatment technologies to address individual substandard septic systems and cesspools, as well as the "no action" alternative if existing conditions suggest that no further enhancements are warranted.

How Will the Project Affect Me?

This project is a feasibility study. There are no immediate economic or construction-related impacts associated with this project. Depending upon the study results, the project could be the first step towards future implementation of expanded sanitary sewer infrastructure that could help improve area ground and surface water quality and support economic development and revitalization of the area. Alternatively, stakeholders could conclude that the benefits associated with sewerage are not sufficient to outweigh the costs and the area will continue to rely on on-site wastewater treatment and disposal systems. While area stakeholders will not affect the objective assessment of sewerage infrastructure requirements and costs, they should have significant input into the determination of sewerage benefits.

Project Schedule

The Feasibility Study is an 18-month project. The estimated completion date is September of 2012.

Project Contact

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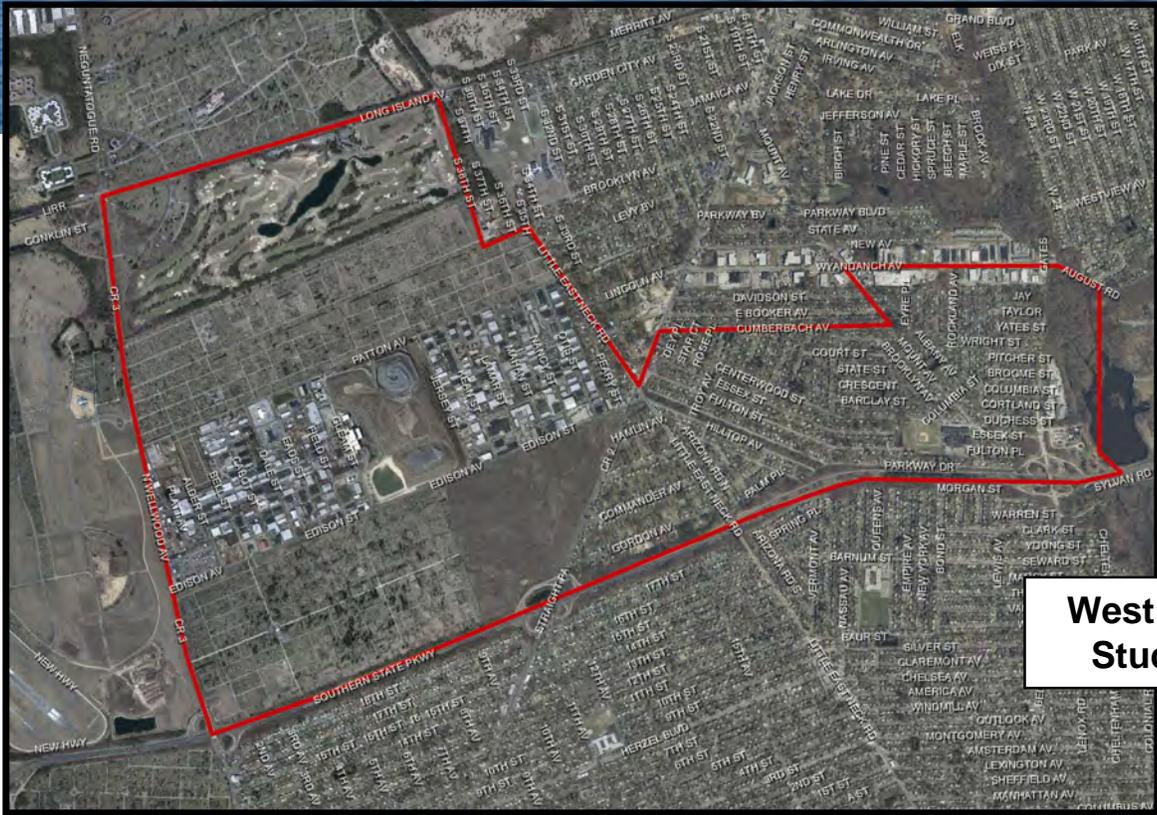




**North Babylon
Study Area**



**Deer Park
Study Area**



**West Babylon
Study Area**



**West Islip
Study Area**



**Wyandanch
Study Area**



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**Suffolk County
 Sewer District No. 3
 Southwest Service Area Expansion
 TEAM**

Dvirka and Bartilucci Consulting Engineers
 Project Management, Decision Science, Master Planning, and
 Wastewater Treatment