



FLANDERS RIVERSIDE CORRIDOR SEWERING FEASIBILITY STUDY

Project Background

Suffolk County has embarked on studies of areas where sanitary sewerage could potentially help to support economic development and revitalization efforts while improving water quality and providing greater environmental protection in local communities. The County is studying the highlighted areas within the Flanders Riverside Corridor shown on the figure below. The study will identify the infrastructure and costs associated with sewerage these areas.

Project Scope and Purpose

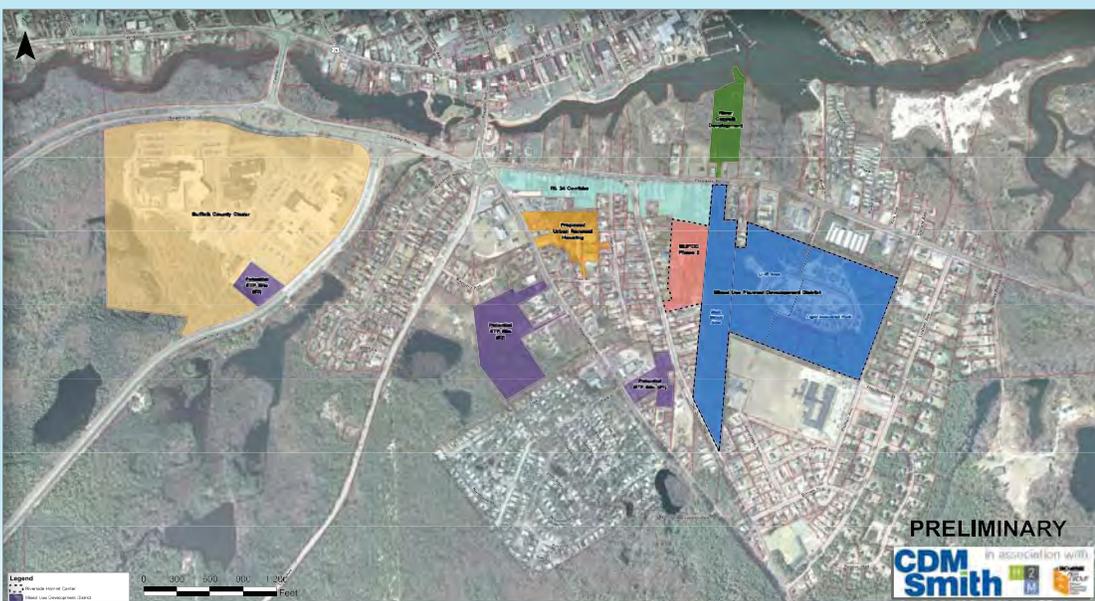
The project is a study of the infrastructure that would be required to provide sanitary wastewater collection, treatment, and treated effluent disposal for the study area. When the project is complete, the County will have a Feasibility Study Report that identifies and describes the sewer system infrastructure required to serve the Flanders Riverside Corridor study area and the costs and benefits associated with the sewer system. To support the evaluation, all existing sanitary sewers and existing treatment plants within 0.5 mile of the study area will be identified and represented in a Geographic Information System (GIS) database. In addition, an Environmental Assessment Form (EAF) identifying the potential environmental impacts associated

with construction and operation of the sewer system, should it be constructed and operated, will be prepared.

The purpose of this project is to identify the infrastructure that would be required to provide a sanitary system for the study area, along with the costs and the benefits. This information will be provided to the Town and property owners within the study area, so that they can decide whether or not detailed design and construction of the sewer system should proceed. Templates for a Draft Environmental Impact Statement (DEIS), and supporting documentation will also be prepared, to assist the project stakeholders in completing the State Environmental Quality Review (SEQR) process, should they determine that a sanitary sewerage program should proceed.

Map of Flanders Riverside Corridor Study Area

The project is a study of the infrastructure required to provide sanitary wastewater collection, treatment and treated effluent disposal for the study area.



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Project Schedule

The project was initiated in November, 2011, and is scheduled to be completed within a year.

What is a Sanitary Sewer System?

A sanitary sewer system includes the network of pipes and pump stations that collect wastewater generated by residences and businesses and convey it to a wastewater treatment plant, the wastewater treatment plant itself, and the outfall or recharge system that conveys the treated wastewater effluent to ultimate ground or surface water discharge. At the wastewater treatment plant, organic matter and nitrogen are removed from the wastewater and the wastewater is disinfected to deactivate pathogens before the treated effluent is discharged back to the environment.

Project Challenges

There are several challenges associated with this study. The first will be to identify an appropriate location for disposal of the treated sanitary effluent. While the treatment plant will be designed to remove contaminants of concern from the wastewater, the study area's location within the sensitive Peconic Estuary watershed and adjacent to the Pine Barrens requires careful consideration of increased treatment requirements and regulatory constraints.



Providing wastewater treatment in the Flanders Riverside Corridor is key to reducing nitrogen loading to the area's water resources, consistent with the Peconic Estuary Program and other environmental protection initiatives.

Should stakeholders determine that sewerage is warranted based on the results of the Feasibility Study, they will face the second major challenge; that is, identifying sources of funding to complete the detailed design, construction and operation of the system.

How Will the Project Affect Me?

This project is a 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 a sanitary sewer collection and treatment system that could help to 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 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 Contact:

For additional information, please contact Suffolk County Department of Public Works' Project Manager, Boris Rukovets, Public Works Special Projects Supervisor at 631-852-4199 or at Boris.Rukovets@suffolkcountyny.gov