

## LPVRS Middle Interceptor Project

### **Background and Project Description**

The Lower Perkiomen Valley Regional Sewer Authority (LPVRS) is incorporated by Collegeville Borough, Trappe Borough, Upper Providence Township, Lower Providence Township, Skippack Township and Perkiomen Township. All municipalities must develop and implement a comprehensive official sewage facilities plan (Act 537) that addresses their present and future sewage disposal needs. Each member municipality prepared their own Act 537 Plan (Sewage Facilities Plan) and were combined into a Regional Act 537 Plan prepared for LPVRS. The PA DEP reviews and approves the official plans and any subsequent revisions. The Regional Act 537 Plan was approved by PA DEP in February 2004.

The approved Regional Plan required the expansion of the Oaks Wastewater Treatment Plant from 9.5 million gallons per day to 14.25 million gallons per day. The plant expansion was completed in 2008. The Plan also required LPVRS to expand the Perkiomen Creek Interceptor, paralleling and/or replacing the existing interceptor, to convey the wastewater to the Wastewater Treatment Plant (WWTP). In 2007, a parallel interceptor was constructed from the WWTP to the confluence of the Skippack Creek and Perkiomen Creek in Upper Providence Township. In 2011, a parallel interceptor was constructed from Collegeville Borough approximately 1,000 feet south of Ridge Pike to Skippack Township near Graterford Prison. The last component of the plan being implemented is to parallel and replace the Middle Interceptor located in Collegeville Borough, Lower Providence Township and Upper Providence Township.

The Middle Interceptor project consists of 17,200 feet of sanitary sewer pipe including 5,300 feet of 42" diameter pipe, 6,300 feet of 48" diameter pipe, 2,100 feet of 54" diameter pipe and 3,500 feet of 60" pipe along with manholes. New pipe will replace the existing pipe in the same trench in Upper Providence Township beginning across from the confluence of the Skippack Creek and Perkiomen Creek to the end of the island upstream of the Arcola Road Bridge. From that point to Collegeville Borough at First Avenue approximately 1000 feet south of Ridge Pike the new pipe will be constructed parallel to the existing pipe. LPVRS has received permits for the project, publicly bid the project, and awarded the contract to construct the project to Allan Myers, L.P.

### **Construction Impact**

The Middle Interceptor construction design and location are established to minimize the encroachment into stream crossings, wetlands and other habitat consistent with minimum slope for the interceptor and gravity flow of wastewater. The interceptor is to be installed along and generally parallel to the Perkiomen Creek. In the long term, this pipe location and design is the most cost effective for capital and operational costs; and the most environmentally sound solution for conveying wastewater to the WWTP.

The project is expected to be completed in two years. Construction entrances for the project are located on First Avenue from Chestnut Street Extension (Collegeville Borough), Route 29 near Hopwood Road (Upper Providence Township), Arcola Road (Upper Providence Township), Yerkes Road (Lower Providence Township) and Lower Indian Head Road (Upper Providence Township). The construction is located outside of the roadway so the impact on traffic for the general public will be minimal and is primarily trucks delivering material and equipment to the project site. Residents who live along or next to the construction entrances will experience increases in construction vehicle traffic locally and employees arriving to and leaving the project site daily for a portion of the two-year project. The Perkiomen Trail will also experience

temporary impact intermittently throughout the two-year project. A section of the trail will be closed from July 22 – July 31, located approximately 1000 feet North (Collegeville side) of the Yerkes Road Trail crossing. The trail will be intermittently closed with flaggers for construction vehicles to cross the trail throughout the day during the project time period.

The Perkiomen Trail will also be impacted approximately a half mile North of the Arcola Road trail crossing. Approximately 200 feet of trail will be used intermittently for construction vehicle access and will also be controlled by flaggers.

The Perkiomen Trail will also be used for temporary pump piping. The pipe will be located on the edge of the trail and will be protected by a fence. The piping will remain on the trail for approximately six months from South of the Cider Mill Road Crossing for approximately a half mile on the trail.

The safety of the public, employees and the environment are the highest priority during this project and all projects at LPVRSa.

Please contact Michael McGann, Manager at LPVRSa with any questions or concerns at 610-676-9040 or email [mmcgann@lpvrsa.org](mailto:mmcgann@lpvrsa.org)