

Grove Street Sanitary Sewer Extension – Phase I

Haddonfield Borough, NJ

Purpose of the Project

The Borough of Haddonfield has started the first phase of a multi-phase sanitary sewer project resulting in the eventual elimination of a Borough-owned and operated sanitary pump station. This will produce both short-term and long-term savings to Borough residents. The project is known as the Grove Street Sanitary Sewer Extension – Phase I.

Grove Street is one of the major roadways in Haddonfield, connecting the Borough with Cherry Hill Township and providing direct access to Route 70. Existing sanitary sewer pipe along Grove Street services the Edge Park Drive, Farwood and Coles Mills neighborhoods in Haddonfield. A portion of the sanitary sewer located within Grove Street flows by gravity to Maple Avenue where it conveys sewage under the Cooper River and eventually to the Camden County Municipal Utility Authorities (CCMUA) Treatment Plant.

There is a portion of the sanitary sewer system along Grove Street, however, that cannot flow by gravity to Maple Avenue. Instead, sanitary flows are directed to a pump station located along Longwood Drive. This pump station collects sanitary flows from the Longwood Drive, Edge Park Drive, and Coles Mills areas. Collected flows are pumped up Grove Street to a location where they can then flow by gravity to Maple Avenue and eventually to the CCMUA Treatment Plant.

When the Longwood Pump Station was constructed, there was no other location to connect to the CCMUA's system other than pumping uphill to the Maple Avenue interceptor. In recent years, the CCMUA has installed a large diameter sanitary sewer interceptor pipe along Park Boulevard in Cherry Hill Township.

Since the installation of this interceptor, the Borough has been working to obtain permission to connect directly to the CCMUA's Park Boulevard interceptor. This direct connection will allow sanitary flows to be conveyed by gravity; thus allowing the eventual elimination of the Longwood Pump Station. The elimination of the pump station will result in significant savings to the Borough both in terms of necessary upgrades, annual upkeep/maintenance, and annual utility/operating costs. The completion of this project will not only provide a new sanitary sewer main but will also eliminate inherent long-term and short-term costs to the Borough.

Phase I of the project begins in Park Boulevard with connection to the CCMUA interceptor. This is a major part of the project in terms of complexity, requiring extensive coordination between the Borough and the CCMUA in terms of connection details and construction sequencing.

After the interconnection is made, the new sanitary sewer main will be extended up Grove Street (towards the south) where it will cross the Grove Street Bridge. The proposed sanitary sewer will be hung under the bridge and will be encased in an outer pipe for additional protection to both the pipe and the underlying Cooper River.

The final portion of Phase I will include extension of the sanitary sewer main to Cedar Avenue. The intersection at Cedar Avenue will terminate with a manhole designed to receive flows from the Longwood Pump Station. Phase I of the project is anticipated to be completed in early Spring 2011.

The extension of sanitary sewer main from the Longwood area to the new Cedar Avenue manhole will be incorporated as Phase II of the project. Phase II of the project is planned to enter the design and permitting phase shortly with the construction phase following.