

# Grove Street Sanitary Sewer Extension – Phase I

## Haddonfield Borough, NJ

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### **Project Update #1**

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The project began on January 10, 2011 with work along Park Boulevard in Cherry Hill Township. The Camden County Municipal Utility Authority (CCMUA) owns a 66" interceptor pipe that collects sanitary sewer flows from portions of Cherry Hill. This interceptor pipe runs under Park Boulevard with eventual discharge to the CCMUA Treatment Plant.

The first task to be completed as part of this project includes making a connection to this 66" interceptor. This connection will allow sanitary sewer flows from Haddonfield to be redirected to the CCMUA interceptor. This 66" diameter interceptor conveys a significant volume of sanitary flow. Accordingly, temporary shutdown of the sewer line to complete the work associated with this project was not an option. Connection to the CCMUA interceptor had to be conducted while the pipe was "live"; resulting in a complex installation.

Once the existing roadway was cut, excavation to uncover the 66" interceptor began:



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Excavation to uncover the 66" CCMUA Interceptor begins. As shown, the excavation is required to be large; necessitating complete shutdown of Park Boulevard.

The CCMUA interceptor is located approximately 15 feet below the road surface; requiring special equipment. Specifically, a “trench box” was utilized to hold the sides of the excavation open and allow safe conditions for the workers. Below is the beginning stage of the trench box installation:



Due to the interceptor being 15 feet below the roadway surface, a trench box is being installed to prevent the walls of excavation from collapsing.

The contractor, CRJ Construction, continued excavating until the interceptor was uncovered. Excavating down to the interceptor was required to make a connection to the top of the pipe. Below shows the top of the interceptor pipe where the connection will be made.



The top of the interceptor is exposed and workers begin preparing for the next step in making the connection.

To complete the connection, CRJ Construction installed a tapping saddle around the 66" interceptor pipe. The saddle allows the connection of a drilling tool to the top of the pipe and allows drilling into the interceptor pipe via a fluid tight connection. Below, the tapping saddle is placed around the interceptor:



A tapping saddle (in blue) is installed around the interceptor pipe. The tapping saddle allows connection to be made to the pipe without interrupting the current sanitary flow in the pipe.

Once the connection to the CCMUA's interceptor pipe is complete, CRJ Contractors will begin installing the new sanitary sewer main along Grove Street. It is this new sanitary sewer pipe that will collect sanitary flows from Haddonfield residents. This work will continue with updates in the upcoming weeks.