



June 5, 2024

Dear Resident,

**RE: 2024 WESTTOWN TWP. SEWER REPAIRS – ELK LANE**

In order to improve the sanitary sewer infrastructure, Snyder Environmental Services (SES) will be undertaking sewer mainline and lateral rehabilitation in your street.

Work will commence on July 9, 2024, from 7:00am and finish at approximately 6:00pm. This work will take approximately 1 day.

The work being performed is the rehabilitation of the sewer mainline and sewer laterals up to the resident property line. The rehabilitation is all trenchless and does not require excavating of the streets, sidewalks, or grass. During construction, please expect minimal road closure and slight delays.

To assist us in completing the work and minimizing any inconvenience to residents, we would appreciate it if vehicles are not parked in the street during the above times and are clear of the work area. Vehicular access to your driveway may be restricted for a short time. Resident and emergency vehicle access will be maintained at all times.

For further information, please contact John Billett at (814) 404-1723.

Thank you for your patience and understanding during this work.

We appreciate your cooperation throughout this time and will endeavor to make all stages of the construction process as smooth as possible for everyone involved.

Crew Working Days & Hours: Mon-Thursday, 7:00am – 6:00pm (40 Hours)

Yours sincerely,

William Duriez, PM

Attached: Site Map

# WICKERTON AND LONDONDERRY DRIVE SEWER LINING

WESTTOWN TOWNSHIP, PENNSYLVANIA

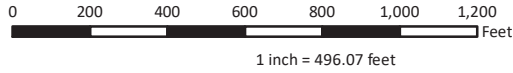
Carroll Engineering  
Corporation



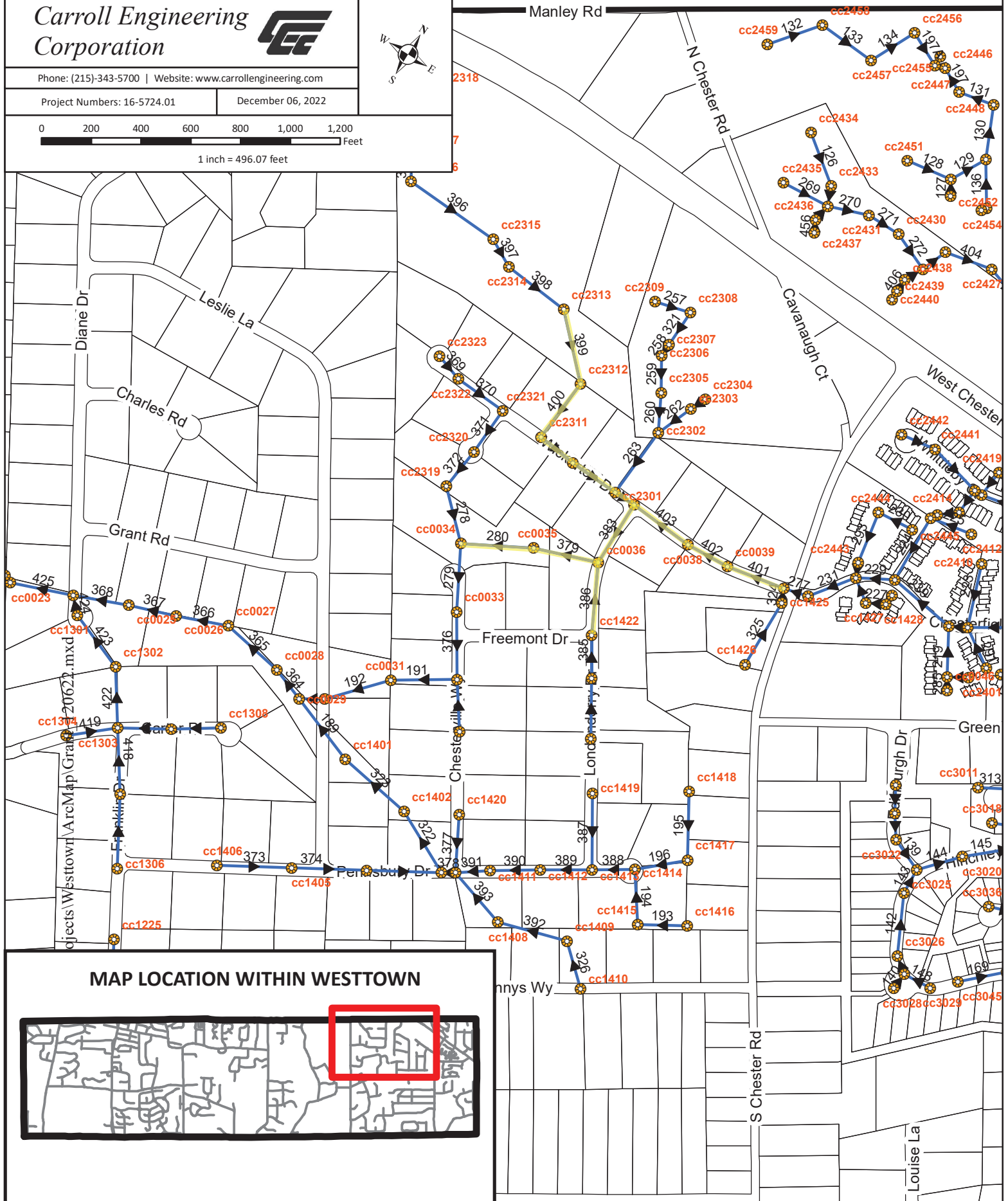
Phone: (215)-343-5700 | Website: www.carrollengineering.com

Project Numbers: 16-5724.01

December 06, 2022



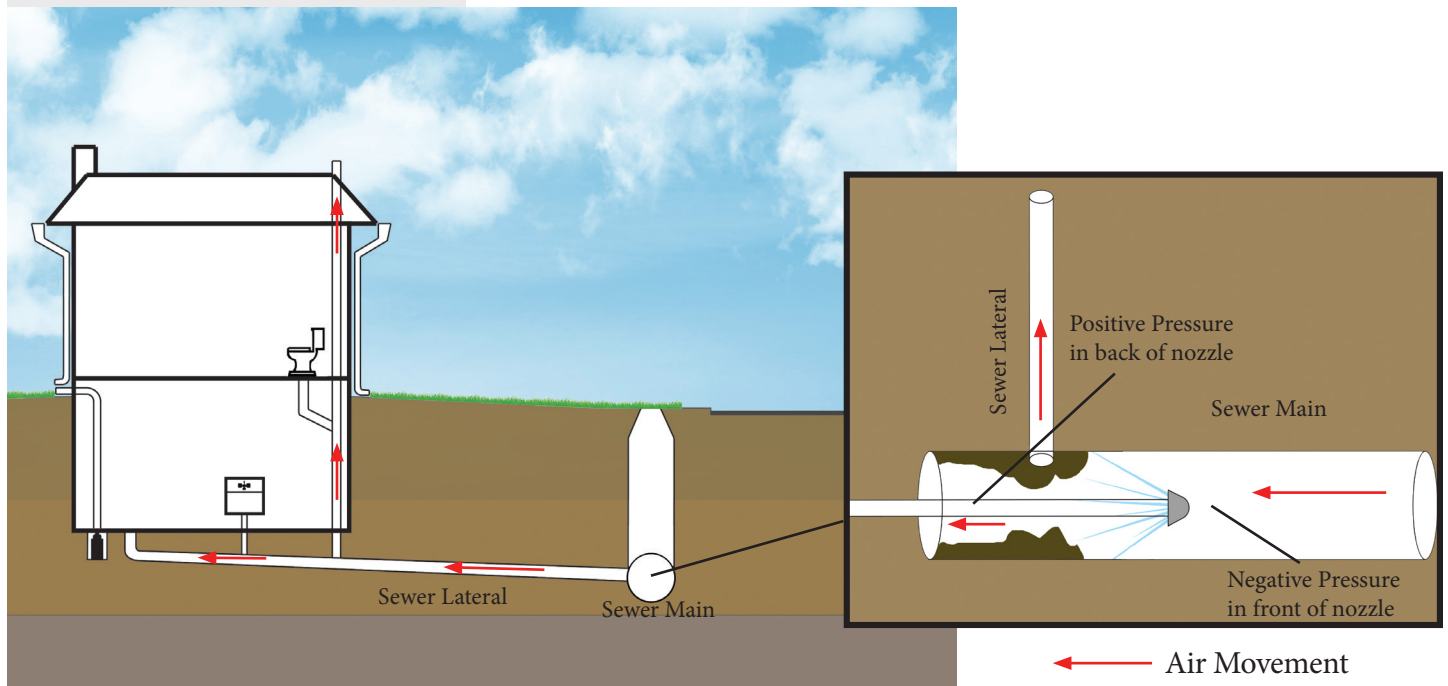
— Sewers to be lined.



MAP LOCATION WITHIN WESTTOWN



# Reasons for Blowback During Sewer Maintenance Cleaning



During the sewer maintenance cleaning process, a jet nozzle and hose are inserted into a manhole, water pressure is then used to propel the hose up the line. As the nozzle moves through the line, it passes house laterals in a fraction of a second, causing a rapid change from negative to positive pressure. This positive pressure pushes back into the service lateral line. If there is nowhere for the positive pressure to go (through a properly vented stack) then it will force its way out through the plumbing fixtures or floor drain, thereby creating blowback. Blowback is an eruption of air and water discharging incorrectly from a plumbing fixture drain.

Water is pumped through the jet nozzle at a rate of 50-65 gallons per minute and at 1000-2000 pounds per square inch (psi). During this cleaning process, while the nozzle is propelling itself up the line, a negative pressure is created ahead of the nozzle while a positive pressure is created on the back side of the nozzle. The amount of positive

or negative pressure created by the nozzle varies with the pump pressure and water volume used to propel the hose up the line. As the nozzle moves through the line, it passes house laterals in a fraction of a second, causing a rapid change from negative to positive pressure. This positive pressure pushes back into the service lateral line. If there is nowhere for the positive pressure to go (through a properly vented stack) then it will force its way out through the plumbing fixtures or floor drain, thereby creating blowback. Blowback is an eruption of air and water discharging incorrectly from a plumbing fixture drain.

Blowback can be caused by a plugged vent stack, or inadequately designed plumbing. Since you have notified the Lincoln Wastewater System staff of a blowback problem, we will record your name and address and will attempt to clean the line at minimum

pressures and water volume in the future, even though sewer cleaning efficiency and effectiveness are reduced. With over 1,100 miles of sanitary sewer and over 85,700 customer connections, the Lincoln Wastewater System's Collection Section has found that incidences are rare. Lincoln Wastewater apologizes for your blowback and will do our best in the future to avoid a repeat of this and/or contact you during maintenance activities. Please contact Mike, the Assistant Superintendent of Wastewater Collection, at 402-441-7988, with questions. Our 24-hour emergency telephone number is 402-441-7961.