

CITY OF DE PERE

Engineering Division

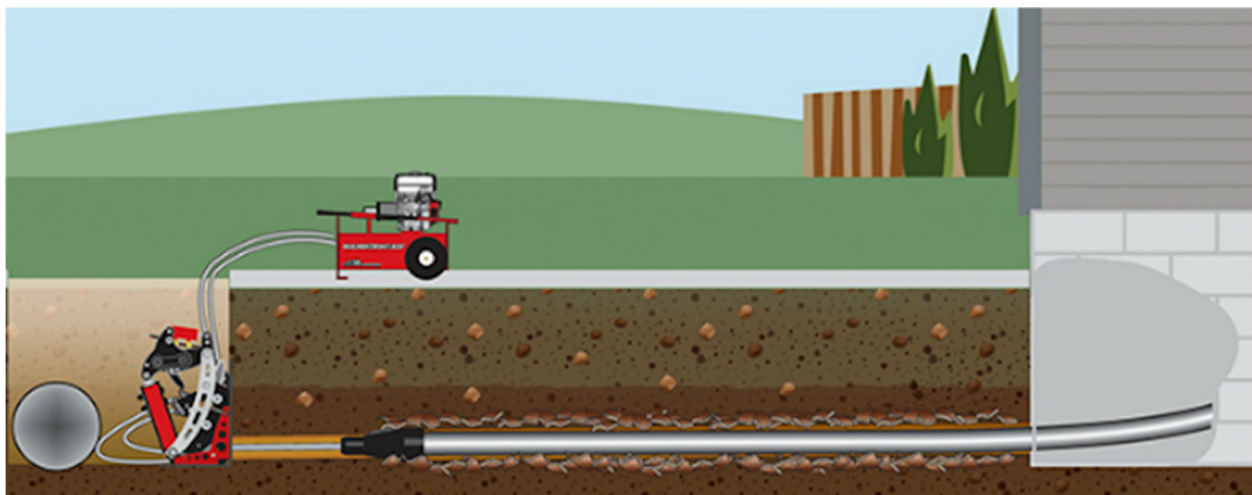
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FULL LENGTH SANITARY LATERAL REPLACEMENT VIA PIPE BURSTING

What is Pipe Bursting?

Pipe bursting is a technique used to replace sanitary sewer laterals by pulling a new plastic pipe through the existing host pipe. There are two excavations required, one in the basement floor and the other at the sanitary sewer main. The advantage to this technique is that there is a new, homogeneous plastic pipe from the house all the way to the main. The diagram below provides an overview of the process:



What are the benefits of pipe bursting?

There are mutual benefits in completing this work for both the homeowner and the City. For most properties being offered full length lateral replacement as part of a City-led construction project, the sanitary sewer lateral is the same age as the home and is starting to show signs of age and distress. The negative effects of tree roots, offset or cracked pipes, and inflow and infiltration would all be mitigated through the pipe bursting process.

What are the disadvantages (drawbacks) of pipe bursting?

A small excavation in the basement floor would be required to complete the work. The homeowner would be responsible for the cost to restore finished basements (walls, floors, finishes, etc) along with other items such as backflow preventers, basement piping and plumbing. If a foundation drain is found to be connected to the sanitary lateral as part of the pipe bursting process, a sump pump basin would be installed to collect the ground water at no

cost to the homeowner. If a sump pump basin was installed, homeowners would be required to install a sump pump at their own expense. If the property is part of the Foundation Drain Disconnection Program, a partial reimbursement may be available for the sump pump installation and associated plumbing and electrical work.

What if I choose not to participate in the full length lateral replacement as part of an upcoming construction project abutting my property?

The City would replace clay, concrete, ductile iron, and cast-iron sanitary sewer laterals from the sanitary sewer main to the property line using an open-cut method. This is done by excavating down to the existing sanitary sewer lateral and physically replacing the pipe. Often, this work is done in conjunction with the water service replacement for a property as they are commonly found in the same trench. Property owners who choose not to participate in pipe bursting when offered as part of a City-led construction project, will not be eligible for City reimbursement in the future for pipe bursting or lining sanitary laterals per City policy.

What are the next steps if I am interested in participating in the full length lateral replacement as part of an upcoming construction project abutting my property?

Prior to work starting, the City will coordinate access onto private property. The contractor will televise the sanitary lateral to determine eligibility. Properties that have pre-existing plastic laterals would not be eligible. A temporary construction easement would be required for the duration of work to allow the City and its crew to access the property and enter the home to complete this work. Please note that there may be limitations that could prevent pipe bursting from completed at a property.

How much will it cost to participate in the full length lateral replacement as part of an upcoming construction project abutting my property?

If you are interested, this work would be completed at no cost to you. Please reference the section of this document regarding disadvantages/drawbacks of pipe bursting for potential costs to the homeowner.