

# Pipe Bursting Method

Tearing up your home, yard and hardscaping is a thing of the past. Pipe bursting is a trenchless sewer replacement method where a large cone shape head is hydraulically pulled by steel cable through the old sewer line, breaking apart the old pipe underground while at the same time pulling into place a seamless HDPE pipe that is the same size or larger than the old pipe.

## Pipe Bursting Benefits

- Save ~40% compared to traditional methods
- Repairs happen underground without expensive and damaging trench work.
- Pipes replaced with seamless high quality HDPE pipe

### 1. Identify the Problem by Sewer Camera

When we come to your home we will run a camera through your sewer main lines and/or kitchen/laundry lateral lines. From here the technician will be able to evaluate your needs and recommend the best solution trenchless sewer repair for your specific problem

### 2. Access The Sewer Line

Two small holes are dug at either end of the sewer run that will be replaced. Cable is inserted at one end and fed through. One end of the cable is attached to a pneumatic jack while the other end is attached to a cone shaped bursting head.



### 3. New Pipe Inserted In Place Of Old Pipe

The bursting head is attached to a new seamless, heat-fused HDPE pipe. As the bursting head is pulled through the old sewer line, it simultaneously breaks apart the old pipe (even cast iron) and pulls behind the new pipe.

### 4. No Major Digging Required

Trenchless sewer replacement is performed via small access points which means that damage is minimized. You skip the week of excavation equipment at your home, piles of dirt in your yard and subcontractor haggling to fix the damage.

### 5. Saves Time And Money

Not only is excavation expensive for homeowners, but creates an additional expense for remediation of the project site. When you factor the potential of subsequent repairs to your landscaping, porches, walkways and driveways - you add a significant additional cost to a more expensive method.

### 6. Strong & Seamless Pipe With A 5 Year Guarantee

Sewer line seams and joints are point of failure in sewer lines. With a seamless high-quality HDPE pipe, you can eliminate the potential for root intrusion and offset or gapped joints.



## Trenchless Sewer Repair & Pipe Bursting

Coast Plumbing has been operating in Southern California since 1986. We specialize in providing cutting edge drain repair techniques at reasonable prices.

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# Hydrojet Method: Sewer Drain Jetting

Jetting is the next generation evolution in sewer line cleaning & maintenance. While the roofer simply uses mechanical action to punch a hole through clogs and debris to restore flow, pressurized drain cleaning uses the force of water to actually scour the inside of your line. Pressurized drain jetting not only restores flow but can remove grease buildup inside of your line and even scour away tree roots to improve the flow inside of your line.

## Benefits of Hydrojetting

- Longer lasting maintenance option when compared to common roofer services
- Scours inside of your sewer line for restored capacity instead of just opening flow
- Cost effective maintenance solution
- Increased warranty



## How Does It Work?

### 1. Sewer Line Inspection

Our Coast Plumbing technicians will access the sewer line and perform a video camera inspection to identify the areas and nature of the issue. If the line is completely blocked, they may need to do a

mechanical rooting to re-establish flow so that the line is visible on the camera.

### 2. Pressure Jetting The Line

Once the line has been inspected and issue areas assessed, the technician will insert a special hose and cleaning head which can deliver over 4000 psi of pressure to the line. The cleaning head is advanced along the run paying special attention to issue areas. Typically several passes are made to fully scour away tough blockages such as tree roots.

### 3. Quality Inspection

The sewer line is once again inspected with a sewer line camera to ensure that any buildup or roots have been removed and that the line is clear and functioning at maximum possible capacity.

## Why Choose Hydrojetting?

### 1. Clears What Rooters Don't

While not a permanent solution, pressure cleaning is a superior maintenance option when compared to roofer service as it goes beyond punching a hole through the blockage to actually cleaning the inside of your line. Remove grease buildup, tree roots, and other causes of slow sewer lines that rooters can't touch.

### 2. Longer Lasting Results

Opening a hole through a blockage, while restoring flow, will by its very nature be a short term solution. By scouring the inside of your line, we can not only noticeably improve the flow but will last longer than other maintenance solutions.

### 3. Cost Effective Solution

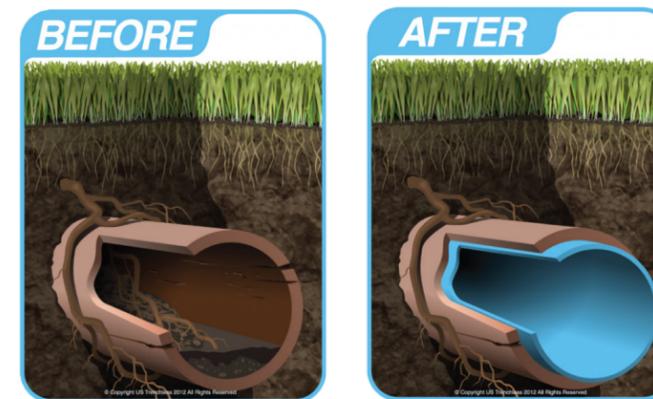
Because jets are able to actually clean the line and improve flow, the typical time until the next needed maintenance can be 4 times longer than in between roofer services. When compared to the price difference, pressure cleaning not only clears the line better, but will cost less over time.

# Sewer Lining Method

Trenchless sewer repair technology has created an alternative to sewer drain replacement commonly referred to as Cured-In-Place Pipe (CIPP). Lining is where a pipe is created "within the existing pipe" with special epoxy resins creating the structural strength of new pipes without damage to structures, floors, hardscape or landscaping. The process has been in use now for over 25 years.

## Benefits of Pipe Lining

- No destruction to your landscape and very little disruption of your normal routine.
- Save ~40% compared to traditional replacement methods
- Lining restores structural integrity, prevents root intrusion and increases flow capacity.



### 1. Clean the pipes

Once the problem and solution are identified, the Trenchless process can begin. The first step is to clean out all roots and de-scale any calcite, etc. in order to return the pipe back to its original functioning diameter. To do this we either hydrojet the lines or use pneumatic tools. Cast pipe may require additional preparation if the pipe is badly corroded or there is a void in the pipe.

### 2. Install the liner

After the cleaning process is complete, the lining can begin. Based upon the solution you and your technician have decided upon,

the length of pipe lining needed is cut, a custom two part epoxy is mixed and poured in to permeate the felt liner. The saturated liner is then pulled in place, the bladder is inflated and the curing begins. Once the epoxy lining has cured, the bladder is extracted, leaving a complete structural pipe within a pipe. To insure that the job has been performed perfectly, a video recording is made to inspect the work and you receive a copy of this as well.

### 3. Prevents Root Intrusion and Stops Leaks

Cured-in-place epoxy lining molds to the diameter of the host pipe or creates a pipe where there are gaps, literally creating a seamless pipe within a pipe. This eliminates the possibility of future root intrusion.

### 4. Increases Flow

Cured-in-place pipe actually increases flow capacity because the Trenchless pipe is smoother than old clay, cast iron, or concrete pipe. Calcification deposits will not adhere to the epoxy-lined walls; thus, flow is unimpeded, and future blockage from normal pipe use is prevented.

### 5. No digging or destruction

Above ground there are no piles of excavated dirt, no busted hardscape to repair, and no haggling with subcontractors over repair of the damage. You can tear up your floors, lawn and more, but why would you if you didn't have to?

### 6. Offers the Structural Strength of New Pipes

The finished product withstands every corrosive environment, as well as the test of time, thus eliminating any future need for excavation. The liner enhances the structural strength of host pipe and acts as a stand-alone pipe within a pipe, meeting or exceeding ASTM D790 Standards. The life expectancy liner is over 50 years.