



**City of Shelton**  
**Department of Public Works**  
**54 Hill Street**  
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## **STANDARDIZING SEWER PIPE INSTALLATION IN SHELTON**

The following is an abbreviated installation requirement

### **Repairing, Replacing, or Installing New Sanitary Sewer Pipe**

#### **PULL A PERMIT WITH THE WPCA OFFICE**

Call the WPCA office a minimum of 24 hours ahead to schedule an inspection Tuesday through Friday 08:00 AM through 5:30 PM, these are the same hours for inspections as well. The day of your inspection you can call us to update the time frame that you would like your inspection. Our inspector(s) want to see the exposed pipe on the compacted bedding with haunching before gravel and filter fabric covers the pipe.

When installing a new sanitary sewer pipe, replacing or repairing an existing lateral to the sewer main:

- Over excavate trench by 4"-6" for required stone bedding and compact sub-base to 90% compaction or greater.
- Install a minimum of four inches (4") of 3/8" – 3/4" gravel bedding and compact at the appropriate slope before installing the new sewer pipe.
- Use a (General Engineering Company) SealTite cast iron saddle with stainless steel band if the lateral is a new connection to the sewer main.
- All sewer piping shall be a minimum 6" SDR-35 PVC gasketed sewer pipe or greater if specified on an approved plan.
- A "clean-out" shall be installed just outside the foundation of the building and be exposed at the grades surface, an additional clean-out every 75' (seventy-five) feet of running pipe and where the pipe changes direction of more than 135-degrees.
- The minimum slope of the pipe will be 2% slope (1/4" per foot or 2-3 feet per second) and the maximum slope of 10% (roughly 1 1/4" per foot but no more than 10 feet per second).
- Fittings: 22 1/2" elbows would be preferred or use 45-degree elbows when needed.
- Put a minimum of 12" (twelve inches) of 3/4" stone (haunching) on each side of the pipe.
- Cover the pipe and haunching with a minimum of 6" of 3/4" stone, then cover all the stone from the building to the lateral / main with filter fabric.
- 12" – 18" of clean pipe cover material should be placed on top of the filter fabric.
- Place magnetic sewer warning tape on top of the clean pipe cover 12" to 18" above the pipe
- Use clean fill on top of the pipe cover material with no sizeable rocks (larger than 10 minus) above the pipe cover material (no closer than 24" of the pipe).