



TOWN OF STOCKTON

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Stockton Town Wastewater Project

Work Plan for Wastewater Connection's

STEP 1

Determine which course to pursue in regards to who will be installing the sewer lateral, whether it will be installed by the homeowner or business owner or by a licensed contractor.

- To minimize potential problems during installation and for protection of health and safety, IT IS STRONGLY RECOMMENDED THAT CITIZENS USE LICENSED CONTRACTORS TO INSTALL SEWER CONNECTIONS. Installation of piping in deep trenches is dangerous. Deep trench walls are very prone to collapse or cave-in, which can trap, crush, and kill those caught in the collapse or cave-in. In addition, special handling is required for contaminated soils.
- Regardless of who will perform the work, the person or contractor personnel completing the job must be HAZWOPER certified to work in contaminated soils, specifically lead contamination, if the work to be done is within a contaminated area.
- All excavated materials resulting from the construction of the sewer connections shall be managed and disposed of according to current environmental standards associated with the Jacob's Smelter Site Clean Up Projects as defined, but not limited to the Town's current Ordinance #20004, and in compliance with required excavation permits issued by the Town of Stockton.
- Installation of sewer connections and abandonment of septic systems must be accomplished in accordance with Federal, State and Local, building codes, rules and regulations.

STEP 2 - (If lateral will be installed by the homeowner or business owner themselves skip to step 4)

In determining which contractor to use, contractors specializing in this type of work can be found in the telephone directory. The Town is keeping a list of contractors that have expressed interest in performing this work that have been in contact with the Town office. The general contractor

working on the town's sewer project has also expressed interest in installing connections for Stockton residents.

- It is recommended that residents solicit bids from multiple contractors and choose the most competitive.
- It is recommended that the contractors be invited to visit the location of the connection to ensure that they have a clear understanding of the work to be done including any surface feature restorations; such as, concrete replacement, sod replacement, reseeding, transplanting, etc. The contractor's work should also include pumping out and abandonment of the existing septic tank(s).
- The potential for unforeseen situations does exist; these are typically addressed as they are discovered. Advise the contractor on any underground or above ground obstacles that may be encountered during the installation of the sewer lateral.
- It is important to know whether or not the work to be performed is within a contaminated area, this could have significant impact on how the work is planned and performed and the cost associated with the work. Information regarding the contamination zone is available at the Stockton Town hall.

STEP 3

Upon selecting a contractor, it is recommended that the residents work with the contractor to establish a timeline to complete the installation.

- Make expectations clear and discuss possible consequences for not completing the work within the established timeline.
- Residents should ensure that the contractor is licensed and insured. It is okay to ask for a copy the license and insurance certificate, if there is a question. It is ok to ask for a bond to cover the work to be done. The bond is an insurance policy that guarantees that the work will be completed satisfactorily. But it must be understood that there is a cost for the contractor to obtain a bond, and the cost of the bond will be included in his bid to do the work. Also, this work should only take a few days to complete, even if the contractor has to come back to abandon the septic tank.
- In lieu of a bond for the work, it is recommended that the residents negotiate with the contractor that payment will not be made until after the installation is completed, inspected, and accepted. This will help to ensure that the work is completed at the price negotiated.

STEP 4

Preparation:

- Contact Stockton Town 48 hours prior to start of work to allow the Town to schedule inspections and to assist in verifying the location and approximate depth of the sewer "stub" if necessary. The "stub" is the end of the pipe installed by the town as part of the sewer project to each home or business.

- Blue Stakes 1(800) 662-4111 must also be called 48 hours prior to start of the work (not including weekends and holidays) to verify location of existing utilities.
- If in a contaminated area, complete any soil sampling required to generate an individual soils handling plan.

STEP 5

Installation:

- It is important to note again that all construction must meet the latest code requirements. The information in this paragraph is provided as a guideline only. Code requirements change from time to time and information below is for planning only.
- Insure that the depth of the sewer “stub” will accommodate a continuous slope of not less than 1%. This is a bit over 1/8” per foot, which has been the minimum slope allowed for gravity drain 4 inch pipe used for sewer laterals. It is recommended that 2% or 1/4” per foot be maintained if the elevations allow. If it is discovered that minimum slope is not achievable, Stockton Town must be notified immediately and NO further work shall be done until otherwise directed. 1% slope is the minimum slope allowed according to State law. If 1% slope cannot be achieved a pump will be required.
- Clean-outs must be installed in accordance with the Code requirements. In most cases two or three cleanouts will be required, one at the connection to the building outlet, one at the property line where the connection to the stub is made and one at each bend between the building and the property line.
- Rule R317-4-2.8 of the Department of Environmental Quality Division of Water Quality Administrative Rules for Design Requirements for Wastewater Collection Treatment and Disposal Systems requires that the septic tank be abandoned when the onsite wastewater system is connected to the public sewer. This rule also applies to county health departments. To abandon the septic tank, the tank must be pumped out and the wastewater be disposed of in an approved manner by a licensed septage hauler. The tank is then filled with sand or gravel. To fill the tank properly with sand or gravel, the lid is generally caved in. The tank is then filled with sand, which will prevent settling of topsoil at the location of the tank.
- Grease traps used by restaurants or other enterprises must not be abandoned, but must remain in service. If a restaurant (or other enterprise that produces oil or grease that could enter the sewer system) does not have a grease trap in place, then one must be installed and maintained to keep oil and grease from entering the sewer system.
- All work performed must be done in accordance with Federal, State and Local codes, rules and regulations.
- Scheduling for inspections with Stockton Town is the responsibility of the homeowner or business owner. Inspection requests can be made by contacting the Stockton Town offices. Inspections are required to verify the piping installation, pipe slope, cleanouts, and the connection at each end,

before the piping is buried. Inspection by the Building Inspector is also required to verify that the septic tank has been properly abandoned. It is the responsibility of the private property owner to pay building inspector fees for sewer lateral installation and septic tank abandonment.

STEP 6 Detail Sketch

Once the installation of the sewer lateral is complete, a detailed sketch of the sewer lateral should be prepared for future reference. These sketches are invaluable in the future. Items such as clean-outs may need to be accessed periodically for maintenance, and over time tend to “disappear” due to being covered by shrubs, grass, flower beds, etc. According to Murphy’s Lay, you are unlikely to have a problem until you have forgotten where the required clean out is located. Information provided in the sketch should include location of significant features along the lateral such as fittings bends, cleanouts, the connection to the Town’s stub etc. The depth from the surface to the top of the lateral should be given at each component measured.

The lateral and its components should be tied or measured from fixed features such as building corners. A minimum of two ties or measurements from two fixed features to each specific component such as a clean-out or buried pipe fitting shall be shown on the sketch. (See attached example sketch. Your lateral may run straight or have multiple bends to avoid obstacles, but this sketch provides the general idea of what should be prepared)

The sketch can be completed by the resident or negotiated as a component of the contract with the selected contractor.