

Regional Sewer Extension Project

Sewer Service Connection Plan

Please reference the attached exhibit showing plan views of each scenario discussed below.

Scenario 1 – Re-routing a home’s plumbing in the basement/crawlspace:

1. Excavate and install the new sewer service piping from the sewer service stub at the property line and into your crawlspace.
 - a. Once the sewer line has been installed, but before it has been buried, please call Brad with the City Building Department at (406) 222-4903 for an inspection.
2. Disconnect the existing plumbing from the septic system and replumb to the new sewer service. *At this point, your house in now live to the City sewer.*
3. Schedule to have your septic tank pumped, and then properly abandon the tank by:
 - a. Filling the tank with a fill material (gravel, waste sand, extra excavated soils, etc);
 - b. Crushing the tank and backfilling;
 - c. Removing the tank and backfilling.
4. Please call the City Public Works Department for an inspection of your septic tank (prior to burying a crushed tank).

Scenario 2 – Connecting to sewer service between the house and the septic tank:

1. Excavate and install the new sewer service piping from the sewer service stub at the property line, around the house, and to the sewer line existing the house toward the septic tank.
 - a. Once the sewer line has been installed, but before it has been buried, please call Brad with the City Building Department at (406) 222-4903 for an inspection.
2. Ensuring no one uses the plumbing in the house during the switch-over, cut the sewer pipe to the septic tank and connect the newly installed sewer service to this existing sewer line. *At this point, your house in now live to the City sewer.*
3. Schedule to have your septic tank pumped, and then properly abandon the tank by:
 - a. Filling the tank with a fill material (gravel, waste sand, extra excavated soils, etc);
 - b. Crushing the tank and backfilling;
 - c. Removing the tank and backfilling.
5. Please call the City Public Works Department for an inspection of your septic tank (prior to burying a crushed tank).

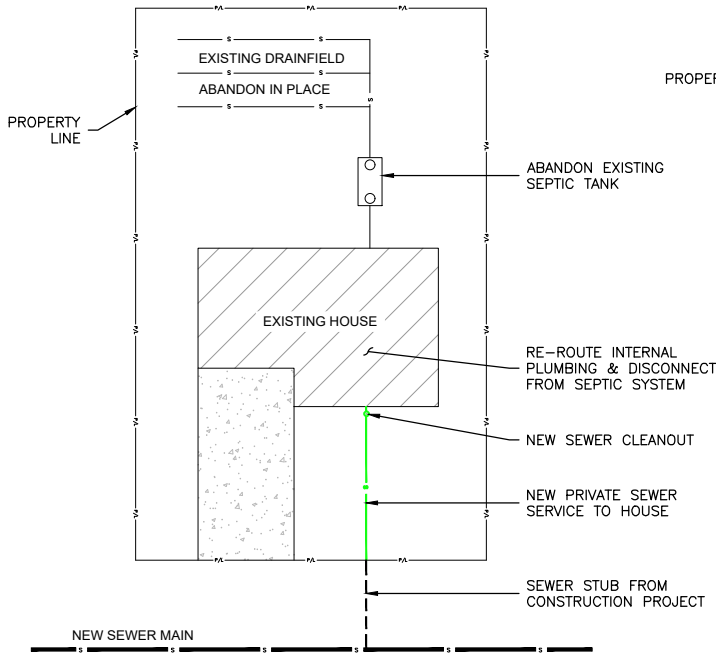
Scenario 3 – Connecting onto the sewer service “through” the septic tank:

1. Excavate and install the new sewer service piping from the sewer service stub at the property line, around the septic tank, and to the sewer line existing the house toward the septic tank.
 - a. Once the sewer line has been installed, but before it has been buried, please call Brad with the City Building Department at (406) 222-4903 for an inspection.
2. Ensuring no one uses the plumbing in the house during the switch-over, cut the sewer pipe to the septic tank and connect the newly installed sewer service to this existing sewer line. *At this point, your house in now live to the City sewer.*
3. Schedule to have your septic tank pumped, and then properly abandon the tank by:
 - a. Filling the tank with a fill material (gravel, waste sand, extra excavated soils, etc);
 - b. Crushing the tank and backfilling;
 - c. Removing the tank and backfilling.
6. Please call the City Public Works Department for an inspection of your septic tank (prior to burying a crushed tank).

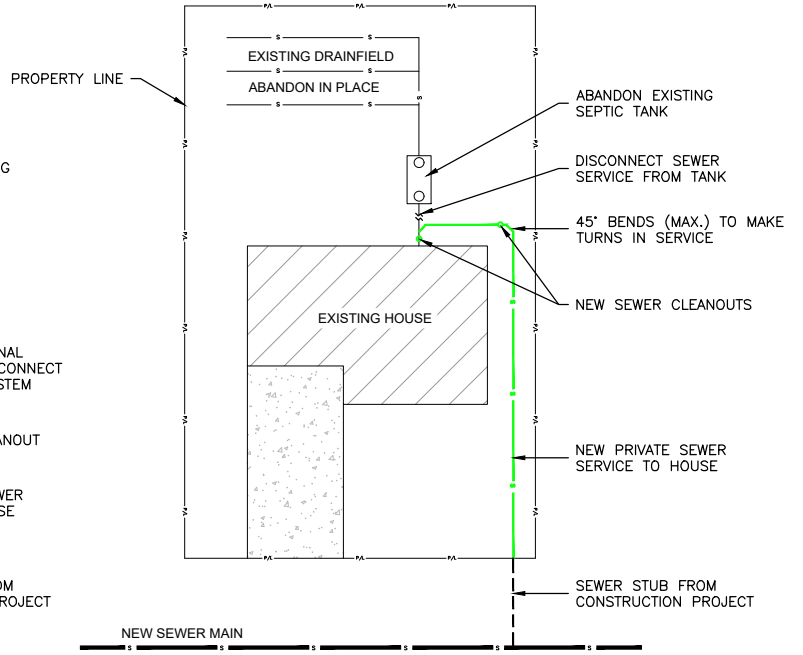
In all cases:

- It is recommended to install a sewer cleanout at a minimum at the connection between the existing house and the new sewer service and prior to any series of bends in the piping.
- Sewer services should be installed at a 2% slope towards the City sewer main. This is equivalent to approximately ¼-inch of drop per 1-foot of pipe.
- The sewer stubs to your property were installed as 4-inch diameter, SDR 26, PVC pipe.
- Since every property in this project received a sewer service stub to the property line, the remainder of this sewer service work is private. You may hire a local contractor to perform the excavation and installation or perform the work yourself. A licensed plumber is not necessary since the sewer service has already been tapped to the City sewer main.
- DEQ has verified that their Notice of Change to Municipal Services form is not required, so neither is the associated \$100 fee.
- Verification of proper septic tank abandonment in the form of a photo will be required for septic permit closure.

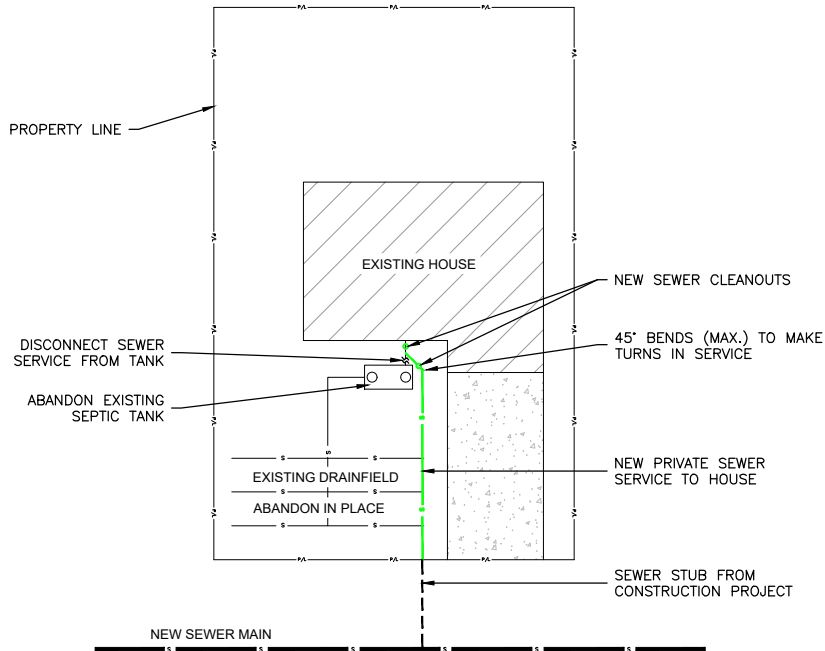
SCENARIO 1: RE-DIRECTED INTERNAL PLUMBING



SCENARIO 2: RE-ROUTED SEWER SERVICE 180-DEGREES AROUND THE HOUSE & INTERCEPTING BEFORE THE SEPTIC TANK

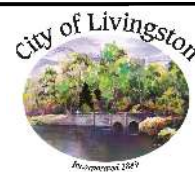


SCENARIO 3: RE-ROUTED SEWER SERVICE AROUND THE SEPTIC TANK



**REGIONAL SEWER EXTENSION
LIVINGSTON, MONTANA**

SEWER SERVICE CONNECTION SCENARIOS



EXHIBIT

DATE: 6/28/2023