

<h1>SEWERLINE CHECK PROFESSIONALS, LLC</h1> <h2>INSPECTION CONDITIONS</h2>
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**CLIENT & SITE INFORMATION:**

DATE OF INSPECTION: September 07, 2004.  
TIME OF INSPECTION: 3:00 PM.  
CLIENT NAME: John Doe.  
ADDRESS: 3211 Any Street, Any Town, U.S.A.  
INSPECTOR: Sewerline Check Professionals.

**BUILDING CHARACTERISTICS:**

BUILDING TYPE: Single Family Residence.

**OTHER INFORMATION:**

BUILDING OCCUPIED:

No.

CLIENT PRESENT:

Yes.

COMMENTS:

This is a specialty inspection of the main sewer line only. The main sewer line is that portion of the waste drainage piping system that is exterior to the structure and carries the building waste from the building drain (that portion of the waste drainage piping system that is under/interior to the structure) to the city sewer connection under the street.

The findings of this inspection are based on the opinions and education of the inspector and reflect the conditions discovered at the time of inspection only.

# SEWER LINE:

The following is based on a video line inspection of the sewer line only. This inspection is exclusive to the main sewer line and does not include any part of the water supply system or above ground waste line pipes (unless otherwise stated in this report).

This report is not intended as a code inspection nor is it intended to itemize every "flaw". It is intended to give an overall condition of the main sewer line.

The findings of this inspection are based on the opinions and education of the inspector and reflect the conditions discovered at the time of inspection only.

## **SEWER LINE OBSERVATIONS:**

**ACCESS LOCATION:** The main sewer line was accessed through various cleanouts. The first set was performed from the cleanout in front of the garage conversion, located under the deck. The second and third sets were performed from the two main cleanouts in the front yard area.

The rear cleanout in front of the garage conversion does not have a proper cap installed and sewer gases are escaping. The cleanout will need to be properly sealed with a cap.

**FINDINGS:** Not Acceptable. The main sewer line has a break in it that will require repair. The area of the break is in the original vitrified clay pipe section of the sewer system and it is located under the driveway apron near the left side. The area has been indicated with green marking paint and the sewer line is 6 feet deep here. The break is at the bottom of the pipe and is allowing the hub (joint) to shift significantly and roots are intruding into the pipe here causing further shifting and damage. The break starts at the bottom of the pipe and travels up the right side to near the top. Sewer water is most likely being introduced into the surrounding soil in this area which can lead to an unstable soil condition over time. The raw sewer water can also contaminate the naturally occurring ground water table creating an unsanitary condition. This area of the sewer system will require excavation and repair at this time.

The remainder of the main sewer line system is comprised of newer plastic pipe and original clay pipe. It is in serviceable condition and operating normally.

# RECOMMENDATIONS

The following recommendations and "estimated costs" are based on the inspectors experience, education and opinions. This is not a guarantee of costs for any work to be performed and is not a warranty for any work to be performed.

Only qualified licensed contractors should be used to perform any repairs or reconstruction. It is recommended, for health and safety reasons, that a high level of integrity be maintained for the sewer line system. This includes yearly servicing and appropriate inspections.

## **RECOMMENDATIONS:**

### RECOMMENDED REPAIRS:

The broken section of sewer line will need to be excavated and repaired at this time. Due to the location of the break the street may have to excavated (in the area of the broken pipe), for this reason a qualified licensed sewer contractor will need to perform the work.

### RECOMMENDED MAINTENANCE:

All sewer lines should have cleanings performed to them on an annual schedule. This service is provided by a sewer cleaning agency and is performed to help minimize potential future blockages and/or damage within the main sewer line.

All sewer lines should be examined for damage after any significant seismic activity and every few years to monitor there condition.

### ESTIMATED COST FOR REPAIRS:

Due to the location and depth of the break in the sewer pipe a cost of approximately 6 thousand dollars should be anticipated for this repair.

It is important to only use qualified licensed sewer contractors to perform work on the sewer system.