

# Duration Plumbing

## Sewer Inspection Report

PREPARED EXCLUSIVELY FOR:

**Kim Mann**


SEWER LINE INSPECTION AT:

**3417 Palos Verdes Drive North  
Palos Verdes Estates, California 90274**



INSPECTED ON:

**Friday, November 3, 2023 at 1:00 PM**

**DURATION  
PLUMBING** 

**Inspector, Gene Riehle C36 - 663227**

**Duration Plumbing**

**(310) 210-5016**

Friday, November 3, 2023  
Kim Mann  
3417 Palos Verdes Drive North  
Palos Verdes Estates, California 90274

Dear Kim Mann,

We thank you for choosing Duration Plumbing. We have enclosed the report for the sewer inspection we conducted for you on Friday, November 3, 2023 at:

3417 Palos Verdes Drive North  
Palos Verdes Estates, California 90274

Our report is designed to be clear, easy to understand, and helpful. Please take the time to review it carefully. If there is anything you would like us to explain, or if there is other information you would like, please feel free to call us. We would be happy to answer any questions you may have.

When the above listed items/abbreviations are stated in the report, we recommend the listed items be evaluated and/or corrected prior to the end of the contingency period.

We thank you for the opportunity to be of service to you.

Sincerely,

Inspector, Gene Riehle  
Duration Plumbing

## INTRODUCTION

This is a video inspection of the interior of the main sewer line. This is the portion of the waste pipe system that carries the waste from the structure to the city sewer connection.

This report is based on a interior video inspection of this main sewer line only. Any other parts of the waste supply system are not included. The report is not intended as a code inspection and/or list each flaw seen, nor detect each lateral present.

The goal of this sewer inspection is to report or identify some of the visible issues and put you in a better position to make an informed decision and is not intended to eliminate all risk associate with the home property purchase. This report is a general guide and provides you with some objective information to help you make your own evaluation of the overall condition of the main sewer. It gives an overall picture of the condition of the interior of the main sewer line in the opinion of the technician at the time of the inspection.

Anywhere in the report that the inspector recommends further review, it is strongly recommended that this be done PRIOR TO THE END OF THE CONTINGENCY PERIOD. This report is not intended for use by anyone other than the client named herein. No other persons should rely upon the information in this report. Client agrees to indemnify, defend and hold inspector harmless from any third party claims arising out of client's unauthorized distribution of the inspection report.

By accepting this inspection report, you acknowledge that you have reviewed and are in agreement with all of the terms contained in the standard contract provided by the inspector who prepared this report.

## INSPECTION CONDITIONS

### UTILITIES

Water was "on"

### ATTENDING

Listing agent

## MAIN SEWER LINE OBSERVATIONS

*Main sewer lines are inspected only where they are accessible. This inspection report is based on a camera video of the main sewer line. Main sewer lines start, typically, two feet outside the footprint/ foundation line of the structure, is located under ground and connects to the city sewer. This report does not include the buildings drain lines. Building drain lines are typically above ground and, for the purpose of this report, defined as drain lines that are located within the buildings footprint or foundation line.*

*This report is based on the inspector's education, opinion and observation of accessible existing conditions at the time of this inspection.*

*While some plumbing observations may be code related, this inspection does not determine that the system complies with the and jurisdictional codes.*

## ACCESS FOR VIDEO INSPECTION

Four inch cast iron clean out.



Front planter.



After hydrojetting.

## CITY SEWER LOCATION

The city sewer is located near the center of the street in the front of the property. The homeowner is responsible for any repairs or maintenance through to the city sewer connection even if it runs off of the property.

## MAIN SEWER LINE MATERIALS

Cast iron and Vitrified clay. The sewer is cast iron from the house through the front yard which transitions to clay material before the tree. A separation was encountered at the tree where the camera couldn't be pushed any further. The clay continues to the city lateral connection.

## VIDEO FINDINGS

I found root intrusions in the clay that were cleared to properly evaluate the condition of the sewer. Root intrusions at the clay joints of a vitrified sewer line are common and normally can be maintained with regular roter and/or jetting services. If roots are left, blockages will eventually occur which can cause damage to the clay line and older cast iron lines within the sewer system. Blockages can also cause flooding with in the structure and possible property damage. Cracks, offsets, and breaks can be hidden by root intrusions.

Due to a separation in the clay sewer system I was unable to get the camera through to the city sewer connection. The condition of the remaining portion of the material that wasn't viewed is unknown.

The cast iron has root intrusions. This dictates that the pipe maybe coming to the end of its factory life.

## **RECOMMENDATIONS**

The cast iron should be replaced or pipe burst from the clean out to the hillside of the tree where it was located 4.5 feet in depth. The sewer should be rerouted around the tree to the clay which is 7.5 feet deep. After the clay is exposed it should be camera'd to check the condition of the remainder of the line. Depending upon the condition from that location, the sewer could be used if it is found to be good or replaced if necessary from there to the sewer lateral connection.

## **GENERAL ESTIMATE**

We recommend you contacting a licensed sewer contractor to give you an actual price.

