



PDi

5735 Cheltenham Dr.
Houston, TX 77096
Tel: 713.222SEWER - 713.227.3937
Cell: 713.304.5150
Email: Mbuschpdi@aol.com
MPL# 42315

**PROFESSIONAL
DRAIN INSPECTORS**

WE'VE GOT YOU COVERED. UNDERGROUND

Invoice # 12717
Susan McDaniel
Inspection at 9400 Doliver Dr. Unit 78
Houston, Tx 77063
05/26/2023

Sewer Inspection Report

Performed a sewer scoping of the under-house and exterior under-ground sanitary sewer system.
Performed a hydro-static leak test on the under-house sanitary sewer system.

The home is on a slab foundation structure.

One main and one secondary kitchen clean-out were found (approximate locations both indicated on the diagram).

Clean-outs are access points at ground level to enter into the sewer system for general maintenance, clearing of stoppages, inspections and hydro-static leak testing.

The under-slab system and exterior systems scoped comprised of ABS (black plastic pipe used mainly in the 70's as a replacement for cast iron pipe).

The system showed two significant breaks, with root intrusion. The first was seen under the half bath toilet and the second was seen at the clean-out location with breaks upstream and downstream from the clean-out.
The roots were too thick to allow the camera downstream to see the city tap.

Because the camera typically cannot access the entire sewer system under a house, and many leaks are invisible and undetectable through camera scoping alone, and coupled with the fact that ABS is dark colored in nature and does not produce the best camera visuals, hydro-static testing is always recommended. This test encompasses and leak tests the entire under-slab sewer system.

The test showed a 2.5/5 result, indicating and confirming the leaks seen on camera.

The result chart categorized below.

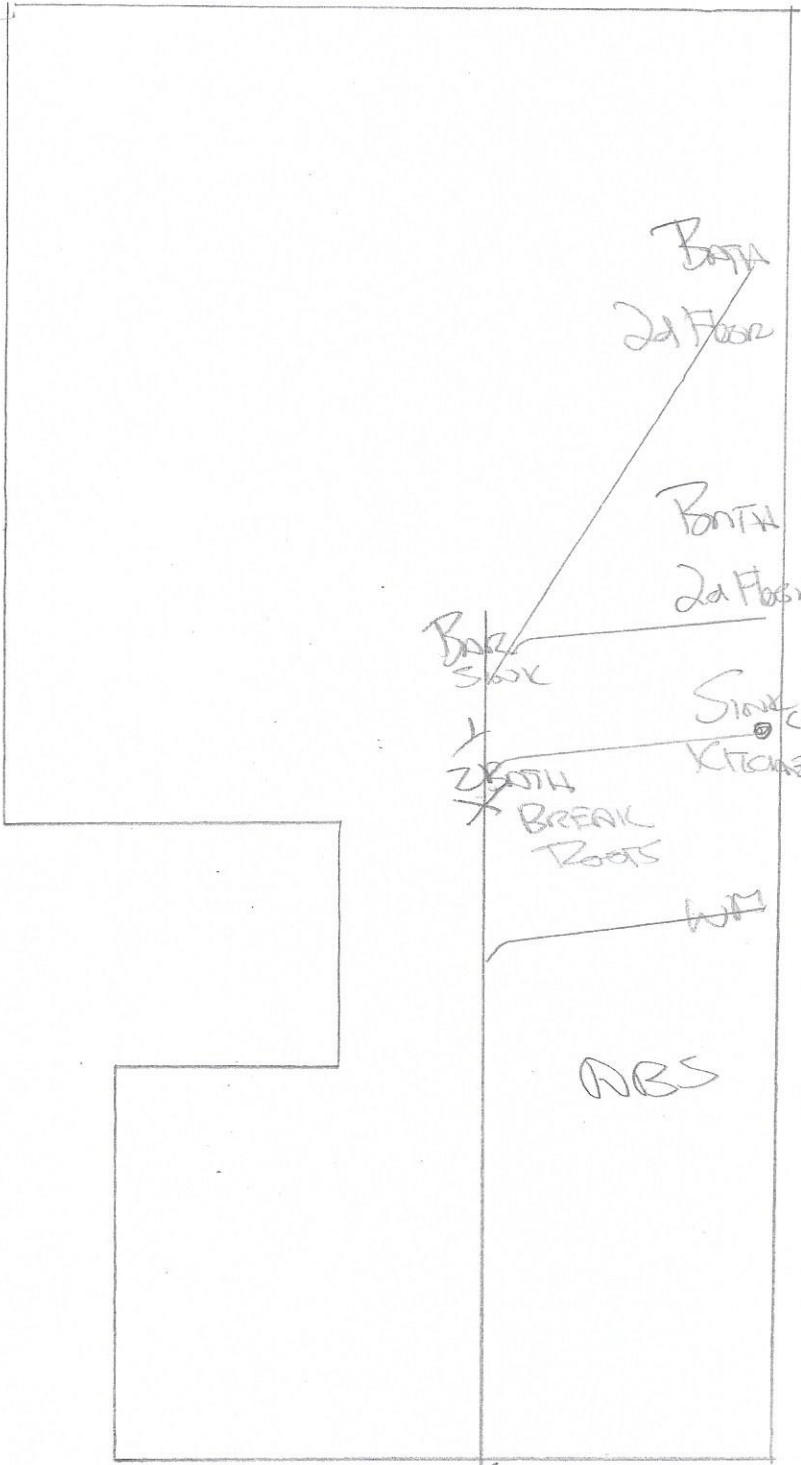
- 1/5 -- unable to get the system to fill = major leak/s under the slab
- 2/5 -- The system fills but immediately after the water filler shut off, the system drops rapidly = Serious leak/s under the slab
- 3/5 -- The system fills but once filled a slow steady drop is noted = moderate leak/s under the slab
- 4/5 -- The system fills and once filled no noticeable drop is seen but after a twenty minute wait, an inch to three drop is noted = insignificant leak/s under the slab
- 5/5 -- The system fills and no noticeable drop is seen after a twenty five minute period = a leak-free under-slab sewer system

There are two options:

1. Repair the known leaks only and re-test the system to ensure no further leaks are present or
2. Change out the ABS completely to the more modern PVC pipe (the recommended option).

Should any of the issues highlighted in this report be corrected, PDI will return (once only) at no further charge, to re-inspect.

Total \$425 (paid check # 124)



BATH
2d Floor

BATH
2d Floor

BATH
1st Floor

SINK CLEAN OUT
KITCHEN

BATH
BREAK ROOMS

WIP

ABS

BATH
BREAK ROOMS

BATH
BREAK ROOMS

ABS

To CITY

From: mbuschpdi@aol.com,

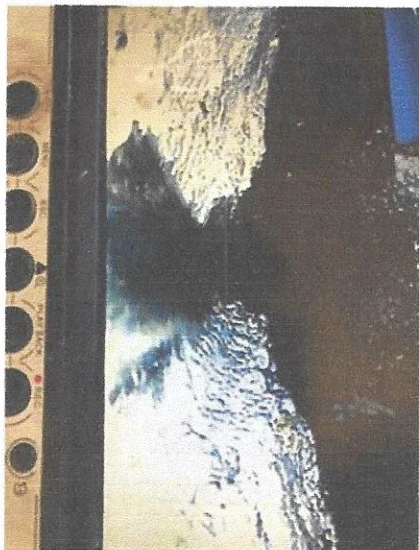
To: mbuschpdi@aol.com,

Date: Fri, May 26, 2023 5:59 pm

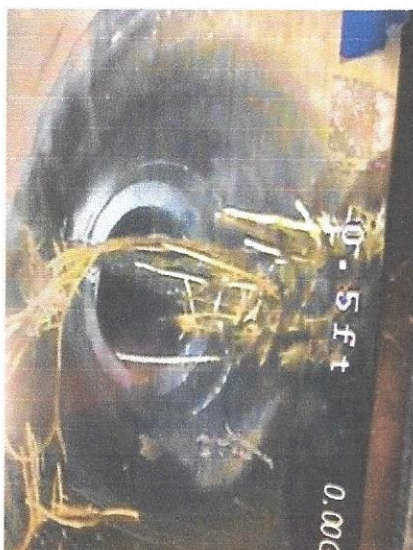
Attachments: IMG_6935.jpg (30K), IMG_6934.jpg (29K), IMG_6931.jpg (28K)

Sent from my iPhone

3 Attached Images



BREAK/ROOTS AT
CLEAN-OUT



BREAK/ROOTS
UNDER TOILET



BREAK/ROOTS AT
CLEAN-OUT