



**PROFESSIONAL
DRAIN INSPECTORS**
WE'VE GOT YOU COVERED. UNDERGROUND

PDi

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11/05/2018

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Sewer Inspection Report

Performed a sewer scoping of the under-house and exterior under-ground sanitary sewer system.
No hydro-static leak test was permitted by the sellers today.

One main and two secondary clean-outs were located (approximate locations indicated on the diagram).
Clean-outs should always be visible and accessible, and thus this main clean-out should be raised.
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 scoped showed to be predominantly cast iron pipe with a short section of ABS (black plastic pipe used mainly in the 70's as a replacement for cast iron pipe).

Several cracks, breaks, leaks and bellies (dipping section of pipe, typically holding water) was seen under the slab.
The cast iron showed multiple areas of debris caught in the cast iron pipe.

Because the camera typically cannot access the entire sewer system under a house and only access around 60% from clean-outs, there remains around 40% of the under-slab system un-scoped and untested, the hydro-static test is always recommended. This test encompasses and leak tests the entire under-slab sewer system.

It is always recommended to have this test performed, and PDI will be happy to perform it, at no further charge at any time in the future. There may be areas of leaks not accessible with the camera today. The hydro-static test will give a more accurate leak status.

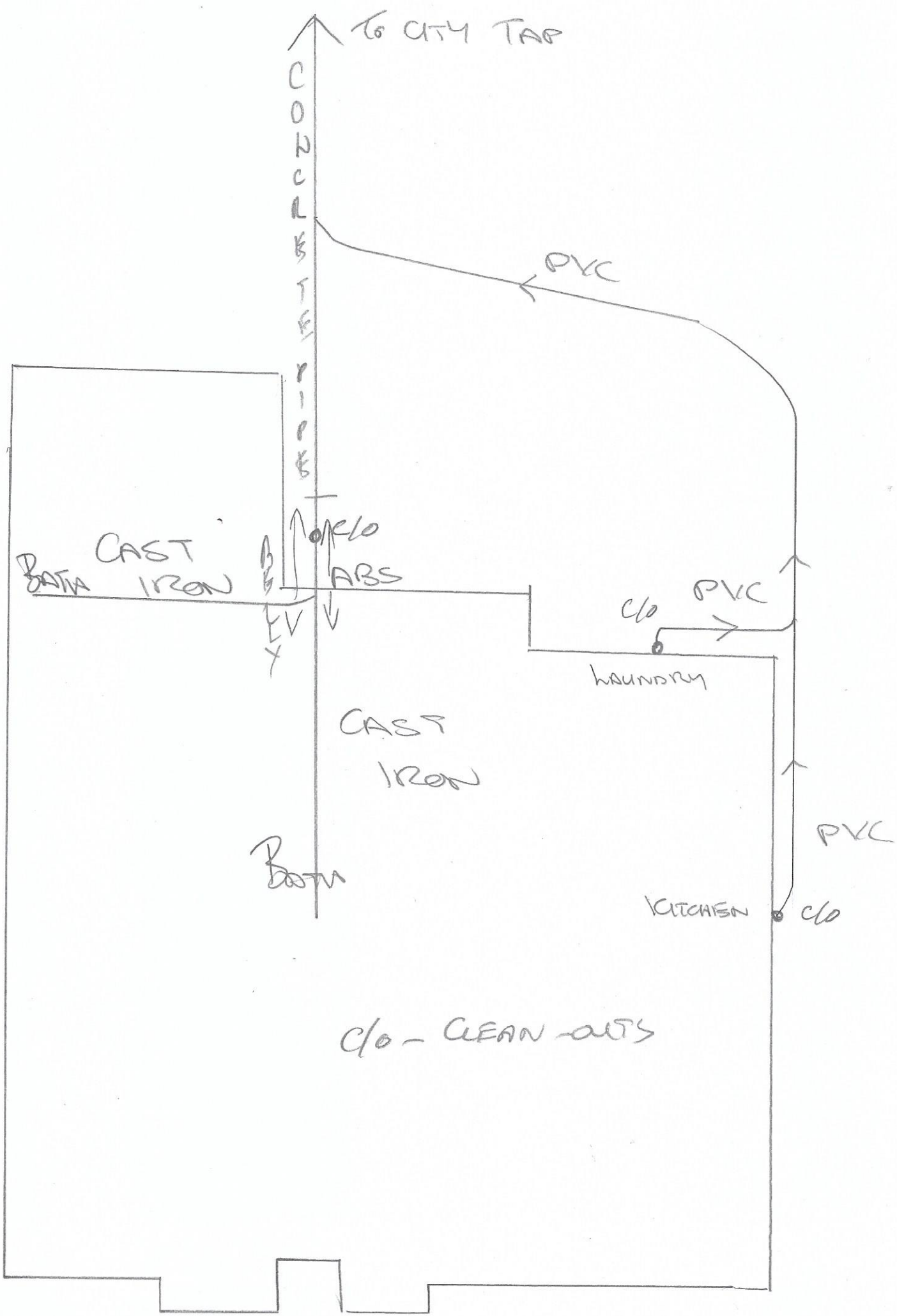
Because permission was not granted to perform this test, this inspection at this time, is incomplete, however given the evidence already seen on camera today, and the age of the system (50-60 years is the expected working life of cast iron pipe), it would behoove the owner to begin planning an update to PVC pipe. In that case, no further testing would be needed.

The PVC kitchen/laundry system looked in good condition up to the connection to the main concrete trunk line.

The exterior line to the clean-out showed to be ABS and then converting to an older concrete pipe which showed minor to moderate cracks, especially at the joints, looking fairly typical for the age. No root intrusion was seen in any of the lines.
The concrete section could still continue on functioning at this time.

Note: Because of the constant ground movement in the Houston area, a major cause of sewer failure, and the general age of the sewer system, it is necessary to have periodic inspections of the under-ground sanitary sewer system.
What we see and report on today may not be the case at any time in the future.

Total \$350



DEBRIS, CRACKS, BREAKS, LEAKS & BELLIES

