



Ness LLC

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Boise Hunter Homes
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PROPOSED Drain System at 18-21DC, 8130 Sparks Lake Dr. Boise, Idaho

Ness, LLC is an IICRC council certified Mold Remediation Contractor, licensed, bonded, and insured with mold and environmental pollution endorsements.

There is no standing water in the crawlspace at this time however, we recommend installing a drain system based on the types of soils in the area and the visual evidence of intrusion history. We did not inspect for mold but if microbial growth is discovered during the drain install, you will be notified, and we will provide a proposal for remediation. The vapor barrier is in good condition so we will install an apron above the system area after install.

Part 1: Drainage: (Digline will be contacted to mark all utilities)

1. All access to crawlspace surfaces will be protected by plastic sheeting during work.
2. Preliminary digging and pumping to remove excess water, as needed.
3. Negative air machine used for the crawlspace during work and for dry down.
4. Additional equipment will be installed for dry down, as needed.
5. Clear air vents of any insulation that may be blocking air flow.

Part 2: Directions given if facing the house from the street

1. Install a lined and graded drain system below the bottom of the footings along the interior perimeter of the crawlspace on both sides and the back.
2. Drain in crawlspace will collect into two sump tanks. One will be in the back left corner and the other will be in the mid-right side.

Part 3: Install sump pumps into tanks with insulated lids in the appropriate determined areas. Sumps will discharge through a drain line that will be directed towards a dispersal bed. This location will need to be determined onsite. (The discharge line will not be visible from the outside of the house. Installation of electrical outlet with audible alarm and manual shut off included.)

Total Labor & Materials Parts 1-3: \$4,832.16

Part 4: Remove and dispose of miscellaneous debris and building materials. Install new 6 mil. vapor barrier apron on the interior perimeter above the system in the crawlspace. This will be pulled up onto the footings, where possible.

Total Labor & Materials Part 4: \$432.74

*>> To be paid in full upon completion <<
>> 3.5% charge on credit card transactions <<*

Parts 1-3 Accepted by: _____ Date _____

Part 4 Accepted by: _____ Date _____

Douglas A. Ness ~ Idaho Contractor Registration# RCE-481

Ness, LLC gives a **5-Year Warranty** on sump pumps, pump connections and discharge.

There is a **10-Year Warranty** on the trenched system for no standing water outside of trenches (damp soil is normal) on the crawlspace floor where drain was installed from ground water seepage and rain/snow. This warranty is *transferable* to new home buyer within the first 7 years from the original date of installation. Drainage warranty excludes water standing on the crawlspace floor from unnatural resources, i.e.: interior home appliances, plumbing leaks, broken irrigation lines, irrigation mechanical failures, floods originating from rivers, farm irrigation or outside main irrigation valves. Furthermore, Ness, LLC is not responsible for any future landscape changes that may disrupt the system.