



Ness LLC

1315 W. Orchard Ave, Nampa, ID 83651
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Tek Pe, 510-725-2056
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9-16-2021

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Revised: PROPOSED WATER DRAINAGE for the Crawlspace at 2229 E. Celia Ct. Eagle, Idaho
Ness, LLC is an IICRC council certified Mold Remediation Contractor, licensed, bonded, and insured with mold and environmental pollution endorsements

As requested, the crawlspace was inspected. We observed standing water in several areas and there is visual evidence that there is a history of water intrusion; we are recommending a 2-pump interior drain system that will discharge to a drywell. Without the slope/grade of the originally proposed trench, we feel that pumps will be necessary to aid the evacuation of the water in the trenches. There did not appear to be any mold in the crawlspace, but the view was limited due to standing water. If any microbial growth is discovered during the drain install, you will be notified, and we will provide a bid for remediation. The vapor barrier will need to be replaced.

See below for the full recommended scope of work.

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. This will be ongoing until the project is complete.
4. Additional fans will be installed for dry down, as needed.
5. Clear all foundation vents to ensure proper air flow.

Part 2:

1. Install a fabric lined graded drain system below the bottom of the footings on the entire interior perimeter of the crawlspace except for behind the garage and main entrance.
2. Drain in crawlspace will collect into two sump tanks. One pump will be in the back and the other will be in the front left corner.
3. Sumps in crawlspace will discharge through a drain line to a drywell that will be installed in the back left side of the yard on the exterior of the foundation.

Part 3: Install drywell at the back-left corner of the house. (Digline will be contacted to mark utilities.)

1. Connect interior crawlspace system to the drywell:
 - i. Dig trench to connect line from interior system to the drywell.
 - ii. Excavate pit down to drainable soils or 9ft deep
 - iii. Line pit with fabric and install access pipe.
 - iv. Backfill with rock
 - v. Lid to be installed on pipe at the surface for easy access
2. Ness is not responsible for any landscaping except for the gravel and soil in the trench. Owner will be responsible for replacing sod, as needed.
3. Haul away excess soil and sod, if not needed.

Total Labor & Materials Parts 1-3: \$9,461.68

Part 4: Vapor Barrier

1. Remove and dispose of old vapor barrier, miscellaneous debris and building materials. Install new 6 mil. vapor barrier in the entire crawlspace and pull up onto the footings, where possible. **ADD to Total: \$862.38**



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8-12-2021

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*>> 50% down and 50% paid upon completion <<
>> 3.5% charge on credit card transactions <<*

Parts 1-3 Accepted by: _____ **Date** _____

Part 4 Accepted by: _____ **Date** _____

Douglas A. Ness (CMRS) -Idaho Contractor Registration# RCE-481