



Ness LLC

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PROPOSED INTERIOR Drain System at 3861 S. Rushmore Way Boise, Idaho

As requested, the basement was inspected for water intrusion and excess moisture. After moisture mapping the sheet rock, flooring, and exposed basement wall, it has been determined that an interior drain system is needed to control the water intrusion. Owner will need to remove contents in basement before the install. We will expose the exterior basement wall and seal any cracks on both sides (left of front entrance). A trench will be cut in the concrete on the perimeter of the basement to install a drain system that will drain to a drywell located at the bottom of the stairs to the back entrance. New concrete will be poured and leveled once the drain system is in place. See below for the whole scope of work.

Part 1: Basement Drain System = Directions are given facing the front door from the street.

Owner will need to remove personal items from the basement. Then we will prep and install containment (neg air flow for the basement to contain dust and odor.)

Part 2: All access to basement surfaces will be protected by plastic sheeting during work. All the vents are sealed in the basement. The furnace will need to be shut off during work to prevent dust from getting into the furnace. The concrete cutting will be with a wet saw and hydraulically driven so there will be a **non-combustible engine running in the basement.**

1. Install containment over doorway and negative air flow for the wet cutting of the cement floor and the rest of the work. The air discharge will be taken out one of the windows in a 12 in. flex pipe and held down wind. Make up air is in one window and discharge out the other.
2. Cut a cut a trench in the concrete approx. 18" from the wall. It will run along the front, right side and across the back. We will mark the outline of the cut prior to our cutting. See attached sketch.
3. Negative air machines used are left running till work is done.
4. Break up cement in the cut and haul out of the basement for disposal.
5. Dig down approximately 5-8 inches below the footings to install a graded drain trench.
6. Install fabric lined trenches with 3 in. perforated pipe, back-fill with some of the left-over concrete, rocks, and cinders. Then compact.
7. Sucker truck to dig drywell at the bottom of the stairs at the back entrance. They will also expose the basement wall in front of family room and the back bedroom.
8. Double seal both sides of the exposed concrete walls where cracked.
9. The bottom of the trenches are graded and connected to a drywell basin tank outside the rear entrance.
 - a. Excavate pit down to drainable soils or 6 ft deep on the back left side of the outside foundation.
 - b. Line pit with fabric and install access pipe. Back fill with rock.
 - c. Lid to be installed on pipe at the surface for easy access
 - d. Ness is not responsible for any landscaping except where dry well is.
 - e. Haul away excess soil
10. Pour concrete in trench to finish.
11. Remove all debris and containment plastic.

Total Labor & Materials for interior drain for basement Parts 1-2 = \$17,114.00

*>> 60% down and 40% paid upon completion <<
>> 3% charge on credit card transactions <<*

Parts 1-2 Accepted by: _____ Date _____

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

Work under this proposal is limited to the items listed. Any additional work will need to be outlined and set out by a separate contract, or have the contract amended and signed to reflect any additional work desired.