

Russell Inspection Services

Residential/Commercial/Industrial

Septic Report



123 Main Street
Anytown NH 12345

John Smith
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Eval Date: 5/11/2012

PO Box 191 Alton Bay, NH 03810 603-740-4062
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Where plans provided by seller/agent: Buyers

Approval # N/A

Grey water system: None

Prior backup noticed: None

Any repairs: None

Location: N/A

Age of dwelling: 25

Number of bedrooms: 3 Vacant: No How long: N/A

Age of system: 25 # of occupants: 3-4

Seasonal or year round use: Year round

Appliances: Clothes washer: X Dish washer: X Garbage disposal: X

Hot tub: No Water conditioner: Yes

Water supply: Private well: Yes Dug: Drilled: X

In-Ground sprinkler system: None

Tank last cleaned: On day of inspection

The onsite disposal system is located at the front of the home. Treatment tank is approximately 40 feet from the front door, the D-Box is beyond the tank at a 45-degree, the EDA (effluent disposal area) is in front of the D-Box, and is approximately 25' wide and 45' long.

Septic Tank:

Is tank within 6in. of grade: No/App. 30'' below grade Riser needed: Yes

Concrete: X Steel: Other: #gallons: 1000

Inlet Baffle: Concrete Condition: Good

Liquid level of inlet: Bottom of invert Liquid level at outlet: Same

Outlet Baffle: Concrete Condition: Good

Height of staining in tank from invert: Normal

Does tank need cleaning: No

Tank location: Poor (receives runoff ETC) Okay: X Other:

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Filter: In tank: None

Beyond tank:

EDA

Effluent Disposal Area (EDA) Location: Front of home

Depth to top: 30 inches

Surface conditions: Normal

EDA Type: Stone and Pipe

Of observations holes dug: 2

Location of holes: Middle of EDA

D-Box opened: Yes

Level of effluent in each hole: None

Level of staining in each hole: None

Back fill clean: Yes

Stones or EDA construction material clean: Yes

Amount of backfill: 18'' sand/12 soil Vented: No Needs venting: No

Quality of backfill: Clean sand: X Very fine sand:

Very stony:

Compacted soil: X

Other:

Any concerns of roof drains or street/driveway runoff. None

Condition of system: Good

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Comments/Conclusions:

Overview:

The onsite disposal system, as built, is consistent with the plan supplied and on record. This system is made up of a 1000-gallon concrete treatment tank, a 5 outlet concrete D-Box and a 25 X 45 EDA (effluent disposal area). The EDA is a stone and pipe type system, built on top of a stone bed with 5 laterals dispersing effluent throughout the EDA. The treatment tank, D-Box and the top of the EDA are approximately 30 inches below grade. Clean sand was backfilled over the system and there are approximately 12 of clean soil above the sand.

Appliances inside the home connected to this system are normal but with the addition of a garbage disposal and backwash for the water treatment system. There is no provision on the plan supplied to accommodate these two appliances and the load from these can affect the system longevity.

Inspection:

This inspection was conducted on 5/11/2012. The weather was clear but recent rain has left the soil and sand surrounding the system somewhat damp but was not a concern. During the inspection I uncovered both covers for the treatment tank, located and uncovered the D-Box, dug two inspection holes in the EDA and conducted a hydraulic load test with septic dye. I found all of the components to be in relatively good condition. The covers for the D-Box and one cover for the tank had some minor cracking but are still considered functional. The concrete baffles in the treatment tank are in place and are in good condition. The baffle for the D-Box is deteriorated and was removed when the tank was cleaned. Two inspection holes were dug in the EDA, I did not find any evidence of prior back ups and the EDA appears to be draining as it should. Clean sand and stones were observed and no staining was present.

During the hydraulic load test I introduced approximately 240 gallons of water through the homes plumbing system, into the treatment tank, through the D-Box and out to the EDA. I found the system to be functioning as intended with no back ups or breakout observed and consider the system to be in good condition. Treatment tank was pumped after the inspection and no issues were found, tank is considered in good condition. Subsequent pumping should be continued every two to three years depending on occupants.

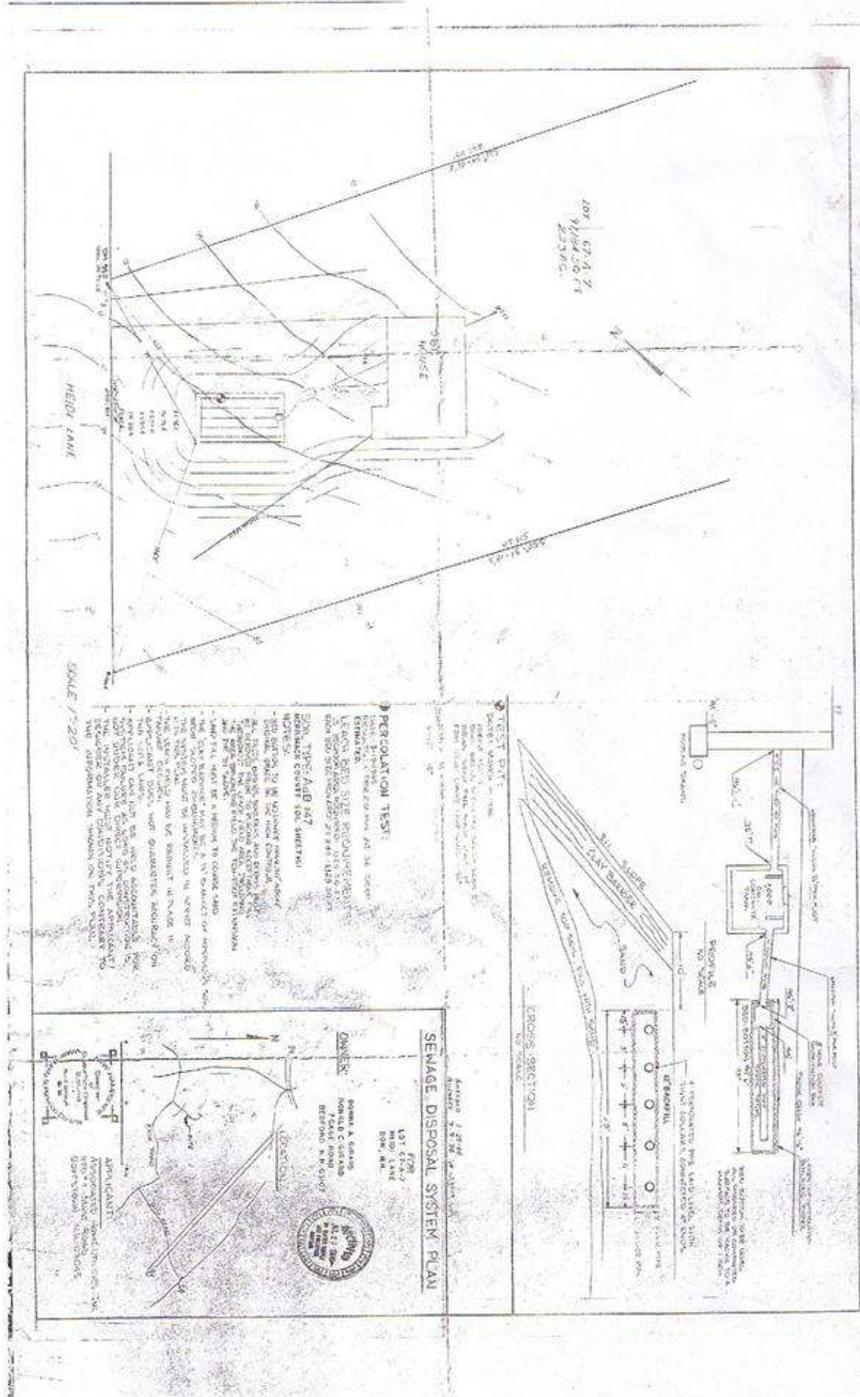
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Treatment tank Location



Location of EDA



Outlet baffle cover



Outlet baffle



Inlet baffle cover



Inlet baffle



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D-Box cover



D-Box. Note deteriorated baffle



Deteriorated baffle in D-Box



Small crack in D-Box



Inspection hole #1, clean material



Inspection hole #2, clean material



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Clean material removed from
inspection holes



Main compartment cover



Disclaimer:

This evaluation is useful in determining the general condition of the system and is not intended to predict how long the system will continue to function. The report is based upon observations and conditions that existed only at the time of the evaluation and must be construed as an opinion. Therefore, conclusions reached and system longevity cannot be guaranteed due to unforeseen conditions or information that was not provided or available at the time of inspection, such as, but not limited to, multiple septic systems on the property, whether active or abandoned. The inspection of the septic system is limited to readily visible accessible components. This evaluation is based primarily on a water flow test and conditions visually apparent at the grounds surface and through holes dug. Vacancy, limited use of the system, overgrowth of the EDA (effluent disposal area) frozen ground conditions, soil conditions, depth of system components and snow cover can severely restrict the ability to access system components.

The information and conclusions in this report are the opinion of the inspector based on his current knowledge at the time of the inspection.

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