



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

October 26, 2009

Warren L. Fisk, P.E., L.S.
Fisk land Surveying & Consulting Engineers, Inc.
P.O. Box 8154
Rapid City, SD 57709

RE: Wastewater design for Walter J. Bradsky's residence to be located on Lots 5A & 5B, Aspen Estates Subdivision, SW ¼, Sec 12, T1N, R6E, Pennington County, South Dakota.

Dear Mr. Fisk:

The South Dakota Department of Environment and Natural Resources is in receipt of one set of plans and specifications for a wastewater system that will service a four bedroom residence to be located on Lots 5A & 5B, Aspen Estates Subdivision, Southwest ¼, Section 12, Township 1 North, Range 6 East, Pennington County, South Dakota. The plans have been reviewed for compliance with South Dakota's "Individual and Small On-Site Wastewater Systems" regulations.

The results of the review process indicate the wastewater system will use an Aqua Safe aerobic treatment unit that will discharge to a drainfield system designed for a maximum daily flow of 480 gallons. This design will meet the minimum regulatory requirements and is hereby approved with the following condition.

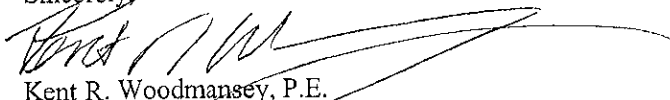
- All setback requirements of the Administrative Rules of South Dakota (ARSD) § 74:53:01:19 "*Distance between on-site wastewater system components and pertinent ground features*" shall be met.

Our review is primarily to determine compliance with the minimum sanitary engineering requirements and does not cover items, such as quality of materials, structural soundness, electrical and mechanical design features. Approval of the plans and specifications does not in any way release the applicant from the responsibility that the project will be an operable facility when construction is completed.

In accordance with the Administrative Rules of South Dakota (ARSD) § 74:03:06:07, the Department of Environment and Natural Resources' approval of plans and specifications becomes void two years after the date of approval if construction is not initiated prior to that time. Upon request of the owner, voided plans and specifications may be submitted for reconsideration.

The lifetime of this system is dependent upon proper construction and regularly scheduled maintenance. Please feel free to contact this office if you have any questions.

Sincerely,


Kent R. Woodmansey, P.E.
Natural Resources Engineering Director
(605) 773-3351

cc: Aaron Olson, Pennington County

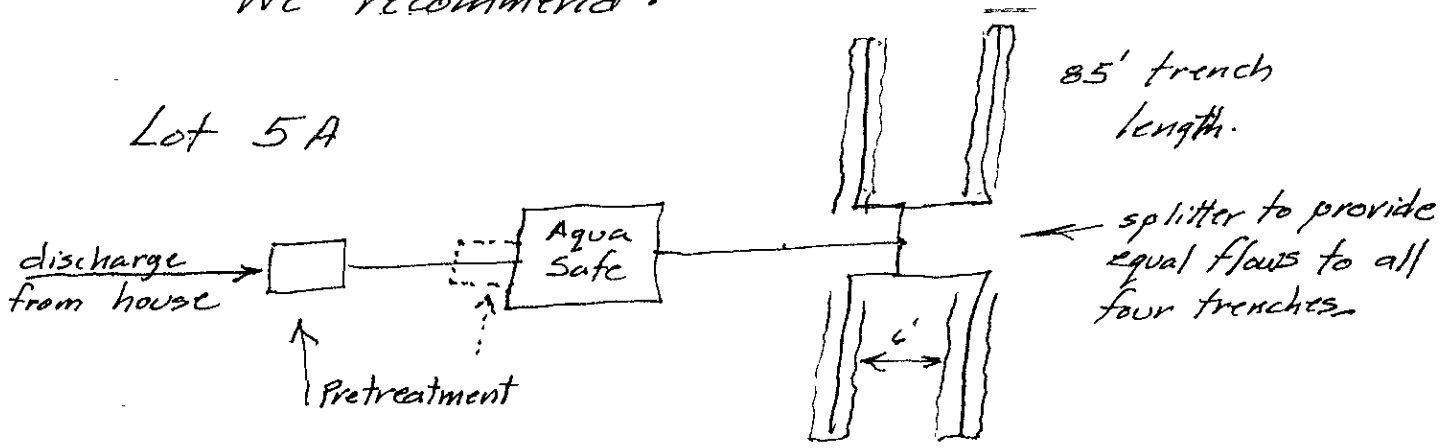
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Management Department

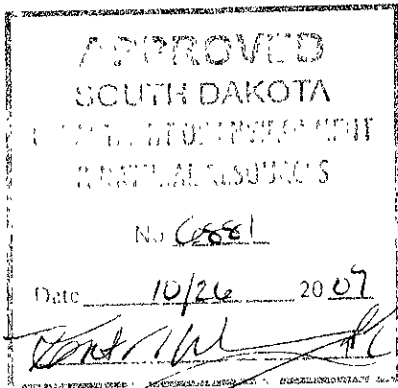
capacity. This unit shall have a pre-treatment tank of 500 gallon capacity that is either separate or combined with the Aqua Safe unit. Alternate systems that meet this criteria are acceptable. The installer shall select the final layout once the homesite grades have been established.

We recommend:



Lot 5A

Lot 5B system is existing but will have the septic tank replaced by an Aqua Safe Unit.



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