

DEPT. OF ENVIRONMENTAL CONSERVATION

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DIVISION OF WATER
WASTEWATER DISCHARGE PROGRAM

June 18, 2010

Mr. John Baker
C/o Gus Andress, P.E.
Pegasus Engineering
4971 Thompson Drive
Homer, Alaska 99603

Re: Final Approval to Operate an Alternate Wastewater Treatment and Disposal System
Legal: Kings Creek Sub No. 5, Lot 5, Homer, Alaska
ADEC Plan Tracking Number: 8049

Dear Mr. Baker:

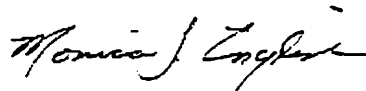
The Department has reviewed the record information received on March 5, 2010 and April 21, 2010, regarding construction of the onsite wastewater treatment and disposal system for the above-referenced property. The system serves a two-bedroom single family residence at the referenced property and consists of a 1000 gallon septic tank and a 500 gallon Orenco lift station followed by a 15-foot wide by 35-foot long raised soil absorption system with a sand liner of 2 feet thickness. The total maximum wastewater flow for this system is 300 gallons per day.

In accordance with 18 AAC 72.240, approval to operate is hereby issued. The construction and operation certificate is attached. Any future expansion or modification of the subject project will require additional approval from this office.

Any person who disagrees with this decision may request an adjudicatory hearing in accordance with 18 AAC 15.195 - 18 AAC 15.340 or an informal review by the Division Director in accordance with 18 AAC 15.185. **Informal review requests** must be delivered to the Division Director, at 555 Cordova Street, Anchorage, Alaska 99501 within 15 days of receiving the decision. **Adjudicatory hearing requests** must be delivered to the Commissioner of the Department of Environmental Conservation, 410 Willoughby Avenue, Suite 303, Juneau, Alaska 99801, within 30 days of the decision. If a hearing is not requested within 30 days, the right to appeal is waived.

Please call me at 262-5210 extension 229 if you have questions or comments.

Sincerely,



Monica T. English
Environmental Engineering Associate

Enclosure



STATE OF ALASKA
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
CONSTRUCTION AND OPERATION CERTIFICATE
FOR
DOMESTIC WASTEWATER DISPOSAL SYSTEMS

A. APPROVAL TO CONSTRUCT

Plans for the construction or modification of Kings Creek Subdivision No. 5, Lot 5
(ADEC Plan Tracking Number: 8049) domestic wastewater disposal system
located in Homer, Alaska, submitted in accordance with 18 AAC 72.210
by Pegasus Engineering - Gus Andress, P.E. have been reviewed and are

- ☐ approved.
☒ conditionally approved (see attached conditions).

BY Monica T. English
Monica T. English

Environmental Engineering Associate
TITLE

1-25-2010
DATE

If construction has not started within two years of the approval date, this certificate is void and new plans and specifications must be submitted for review and approval before construction.

B. APPROVED CHANGE ORDERS

Change (contract order number or descriptive reference)	Approved by	Date

C. APPROVAL TO OPERATE

The "APPROVAL TO OPERATE" section must be completed and signed by the Department before this system is made available for use.

The construction of the above referenced domestic wastewater disposal system was completed
on 2-18-2010 (date). The system is hereby granted interim approval to operate for 90 days following the completion date.

BY _____ TITLE _____ DATE _____

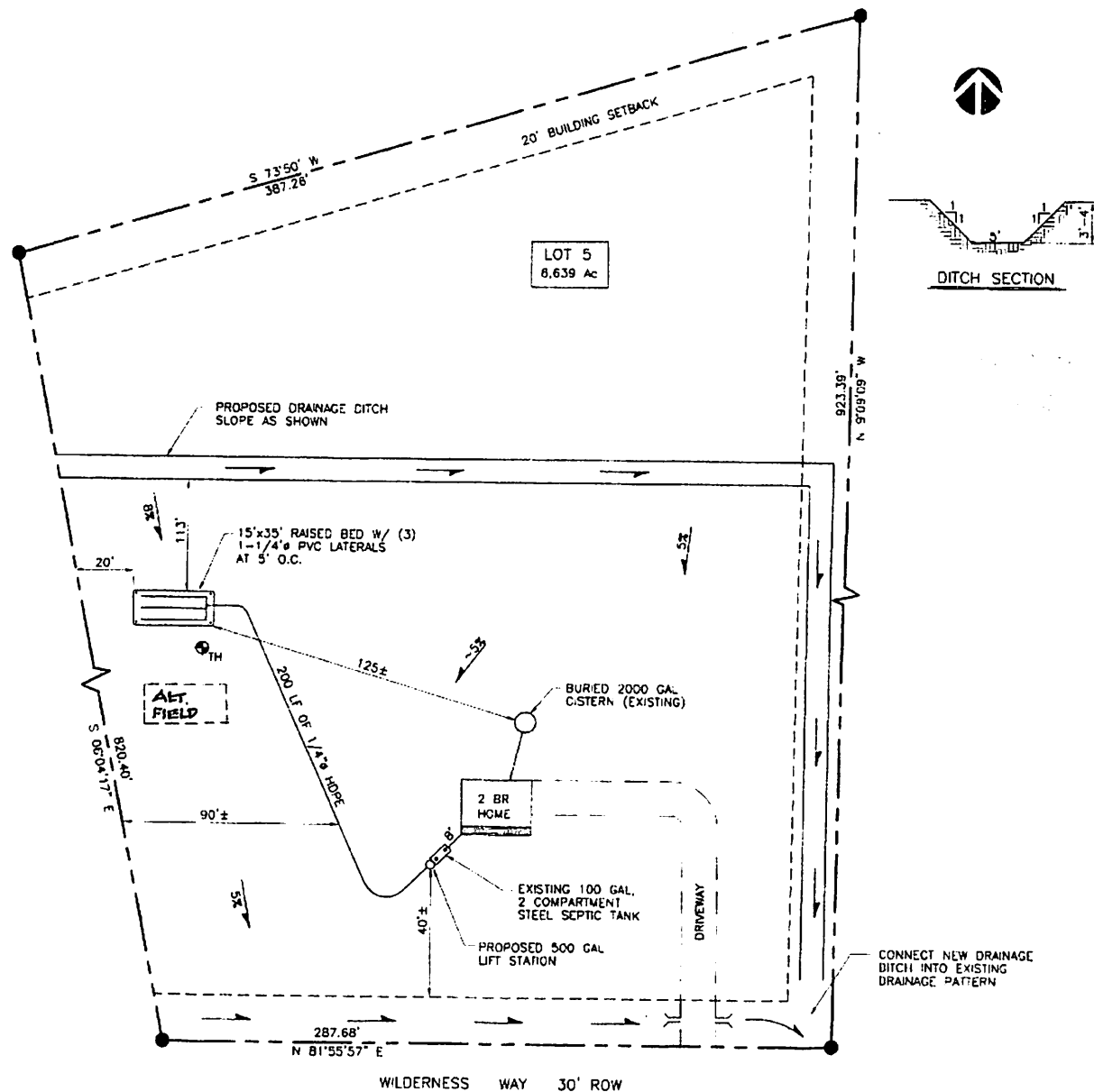
As-built record drawings, submitted to the Department or an inspection by the Department, has confirmed that the domestic wastewater disposal system was constructed in substantial conformance with the approved plans. The system is hereby granted final approval to operate.

BY Monica T. English
Monica T. English

Environmental Engineering Associate
TITLE

6-18-2010
DATE

- Distribution: 1. Retain original for project file
2. Make copies for distribution



DITCH SECTION

GENERAL NOTES:

1. All materials, installation practices, setback requirements, etc., shall comply with ADEC regulations.
2. Contractor shall follow the "Minimum Construction Standards" as set forth in the ADEC Installers Manual for Conventional Onsite Domestic Wastewater Treatment and Disposal Systems, August 1, 2000, p.30-31.
3. All material used shall conform to the "Minimum Material Specifications" as identified in the ADEC Installers Manual, p. 28-29.
4. Minimum cover over pipes, septic tank and sewer rock shall be 4 feet of soil or 2 feet of soil in combination with 2 inches of DOW HI (or equivalent) blue board insulation rated for direct burial.
5. 4-inch diameter perforated pipe in the soil absorption system (SAS) shall be installed level with holes down and capped ends. Lateral lines shall be laid parallel with 6 foot separation.
6. 4-inch diameter monitoring tubes shall be installed in each corner of the SAS. Each tube shall be perforated in the sewer rock zone and solid above. Provide caps at the top of each monitor tube.
7. There are no known Class 'A', 'B' or 'C' wells within 200 feet of any components of the new septic system installed on this property.
8. There are no slopes exceeding 25% within 50 feet of the new drainfield. The area surrounding the new septic system slopes approximately 8-10% to the south in the area of the deep trench.
9. No impermeable soils were encountered during the excavation for the soils evaluation to a depth of 10 feet.
10. Groundwater was encountered at 3 feet below grade.



SCALE 1"=50'
DATE DEC. 16, 2009
DWG. BAKER.DWG

BAKER RESIDENCE
KINGS CREEK SUB NO. 5, LOT 5
HOMER, AK

SITE PLAN

PEGASUS ENGINEERING
4971 THOMPSON DR
HOMER, AK 99603