

VINCE MEURLOTT P.E. ENGINEERING AND INSPECTIONS

596 Arvita Court, Fairbanks, Alaska 99712 907.378.4663, vmeurlott@gmail.com, meurlott.com

Date of Initial Inspection: May 20, 2022 Job: 715 Farmers Loop May 2022

To: Daniel & Michelle BettisC/O: Selling Licensee: Danielle Fenton, Hedgecock GroupListing Licensee: Ginger Orem, Crown Real EstateSeller: Michelle and Daniel Bettis

This engineer's report was prepared for you after my inspection with Noah Goslin assisting. For brevity positive merits of the building are not reported here. Recommendations for correction are listed below along with some suggestions for future reference following:

Items reviewed:

Bryan Borjesson report on new foundation and leveling May 1999 Brief summary report by Charlie Jeannet, North Star Engineering August 2008 Soils Alaska report on subsurface soil investigation September 2008 Full inspection report by Charlie Jeannet, North Star Engineering March 2009 Disclosures by past seller Fuzzard March 2009 Disclosures by current seller with additional addendum information April 2022

General and Miscellaneous:

- 1. Ensure there are functioning smoke detectors in the hall adjacent to bedrooms or living areas on each story of the residence and in each bedroom with fresh batteries. Replace any smoke detectors that are more than ten years old.
- 2. Ensure there are functioning CO detectors in the hall adjacent to bedrooms or living areas on each story of the residence.

Attic/Roof:

- 3. Clean and maintain the gutters. Replace and missing downspouts/tailpieces/extensions to ensure that all water is directed away from the foundation.
- 4. Clean the soffit vent screens.

Electrical:

- 5. Provide gfci protection for all exterior receptacles. Ensure the polarity and grounding are correct and the gfci protection will trip with an independent testing device.
- 6. Replace broken and non-working receptacles such as: behind the wood stove. Easternmost on north wall of loft, closet in loft, basement.

- 7. Provide gfci protection for all garage receptacles except one that may be used for a freezer. Ensure the polarity and grounding are correct and the gfci protection will trip with an independent testing device.
- 8. Provide gfci protection for all crawlspace receptacles Ensure the polarity and grounding are correct and the gfci protection will trip with an independent testing device.
- 9. Replace recessed ceiling incandescent light fixtures with LED fixtures.
- 10.Install a ground between the main service and the main panel or have an electrical contractor verify there is continuity.
- 11.Ensure that all circuit breakers in all of the panels are properly labeled. The label for each breaker should be numbered on the cover and correctly corresponds to the circuit referenced such that a user can quickly identify and disconnect power to the circuit.
- 12.Clean up wiring (if used) and cover box in garage cabinet.
- 13.Install covers on boxes, receptacles and switches where missing. General. Check all.
- 14.Replace broken receptacles such as: behind the woodstove, loft closet.
- 15.Replace bulbs in light fixtures or replace light switches and or make corrections if necessary to ensure that all lights work properly. Such as: Loft east side, garage.

Plumbing:

- 16.Secure loose toilet. Remove the toilet first and install a new wax ring. Provide pictures of the new wax ring in place. East bathroom.
- 17. Adjust the domestic water heating system to provide a full tub of water at 110 degrees.

Mechanical:

- 18.Clean bath fans to ensure that they vent properly.
- 19.Vent the bathroom fans directly to the outside with a smooth rigid duct run to the gable end in the attic. Slope the duct toward the exterior terminal vent that has a flapper not a screen. Insulate the duct with fiberglass or similar using permanent materials such as string, wire or zip ties if necessary. Seal the ducts with appropriate tape. Regular duct tape does not last but tape specifically rated for ducts or metal tape does.
- 20. Have the boiler inspected and fully serviced by a licensed and bonded contractor. Contractor is to check all safety items and perform necessary repairs. Ensure that the heat exchanger is cleaned. Supply a receipt to confirm the work. This is a normal service item that should be performed every year. Some technicians do not brush the boiler clean on the service every year, but we consider it part of the service that should be done at a routine house transfer. If this work was done within the last 6 months send documentation to confirm. Technician to verify that all zones are working properly.
- 21.Cure leaks at hydronic lines in the crawlspace.
- 22.Clean <u>and inspect</u> the boiler chimney. Provide a receipt from a qualified technician. <u>The</u> <u>boiler technician usually does not perform this work</u>. Make any corrections necessary for safe use. Technician is to report condition on receipt.
- 23. Have the heating technician ensure there is a proper level of glycol and that the fluid in the hydronic system has the proper composition yearly. This is important with radiant heat or when a secondary heat source is employed that can force a particular zone to remain stagnant during very cold temperatures. Have the boiler technician check the

glycol, evaluate the PH level and determine if it needs an anti-corrosion additive. A 30% solution is acceptable to me.

- 24.Cure leaks at hydronic lines in the crawlspace.
- 25.Clean and inspect the woodstove and chimney using a type II inspection. Replace broken fire bricks. Provide a receipt from a qualified technician. Make any corrections necessary for safe use.
- 26.Provide a 4" diameter combustion air vent to the garage area for the boiler. The inlet shall be screened and undampered. Make a cold air trap in the duct and insulate it to reduce passive heat loss. The best way is to bring the duct in low on the wall with a 90 degree turn up inside the boiler room and extended at least 4' to 6'up toward the ceiling to reduce passive loss when the boiler is not running.

Egress:

- 27.Ensure that the hardware for all opening windows is adjusted or replaced so that they open, close and latch shut easily from inside.
- 28.Install an egress window in each bedroom with the following minimums: Area 5.7 s.f., width 20", height 24". Maximum sill height is 44" off the floor. The size of the opening that a person can fit through when the window is opened must meet <u>all three</u> minimums of area, width and height.
- 29.Repair doors into the garage and out of it to work properly.

Garage:

30.Ensure there are <u>two</u> self closing hinges or other self closing mechanism on the door(s) from the living space into the garage. Adjust the door and hinges or other closing device so it closes and latches after each use.

Foundation and Crawlspace:

- 31. Adjust all the plumbing drains in the crawlspace so there is a full 1/4" per foot slope.
- 32.Cure leaks at sump pump and container in the crawlspace.
- 33.Support the plastic piping in the crawlspace every 4' and metal piping every 10'.
- 34.Install support (typically staples) for all wires in the crawlspace every 4' minimum.
- 35.Label two each ceiling switches for function.

Additional information and/or suggestions for future reference follow:

- a. There may be some smoke and CO detectors in place already. I call for them in the report as a default even if they are present because we want to ensure they are installed and have fresh batteries at the final as specified. Please note requirements carefully.
- b. Some of the exterior receptacles are recessed such that they are hard to access.
- c. Storm door at easternmost north entry does not close well.
- d. Install a bath fan to vent the warm moist air in the half bathroom directly to the outside. Use smooth rigid duct and a proper exterior terminal with a flapper.
- e. Install a continuous graspable handrail 34" to 38" above the stair nosings for the full length of the stairs. Loft.
- f. Risers, treads and headroom for stairs to the loft do not comply with the code. Correct or use with caution.

715 Farmers Loop May 2022

- g. Improve drainage away from the foundation so that soil slopes at least 1" per foot for at least four feet. This is especially important with a basement. Create swales if necessary to ensure that the water is directed away from the foundation.
- h. Door or hardware is loose or not latching properly in the half bathroom, laundry, SW bedroom, NE bedroom, E bedroom. E bathroom. Master bath, loft main door. Loose is subjective and not always considered bothersome.
- i. Many people activate the heat tape for buried water service pipes for 12 hours per day from December to May. We are not concerned with the ambient temperature so much as the temperature of the soil around the pipe which is usually about 4' below grade. Others choose to leave it on all year long, so they do not have to remember to activate it each winter. If you have a house full of people, then you may not need the tape activated at all.
- j. The seller did not check the box for ice dams or water leakage in the disclosures. The eave venting on the main portion of the house appears t9 be adequate with vent strips in the eave and carboard baffles in the attic over the exterior roof line. The common local practice and City of Fairbanks code call for a continuous one inch wide strip of eave vent which is more area than that provided. If you experience ice dams or leakage, then add more eave ventilation. The loft roof is "hot" as the fiberglass insulation is tight against the bottom of the roof sheathing. We usually call for ventilation as prescribed by the code but for some reason no signs or leaking were noted on the beautiful wood ceiling.
- k. The top and bottom of the foundation wall is pushed in on the east side. This is most likely due to hydrostatic load from water. There is fairly good drainage now achieved by swales and a drainage dich on the east side.
- I concur with the analysis and opinion explained by Charlie Jeannet, North Star Engineering with regard to soils and the foundation movement in the report dated March 30, 2009. The east foundation wall could be reinforced more where it is pushed in and damaged but design of same is beyond the scope of this report. It seems that if you maintain drainage additional repairs may not be economically worthwhile.
- m. The trusses are site constructed. The roof framing may have met the "test of time" but may not meet the design requirements for a 40 psf snow load. A full analysis of the snow load capacity of this system is beyond the scope of this report. It may be prudent to carefully remove the snow when the snow exceeds 24" in depth especially over the garage where there is no bearing wall under the center of the truss.
- n. There appeared to be about 18" of insulation in the attic where I measured. Each inch of insulation is worth about an (R-3). Energy consultants in Fairbanks recommend a total R-value of 50 or 60 for energy efficiency. You have enough where it can be added. Baffles appear to be in place to maintain ventilation over the attic insulation to ensure a "cold" roof above the exterior wall line.

Note to seller or those arranging work cited in this report.

Please provide this report to those who provide quotes or perform services. They should have the report in hand if requesting clarifications. Please send an email with the address of the property in the subject line for requests to perform final inspections or clarifications.

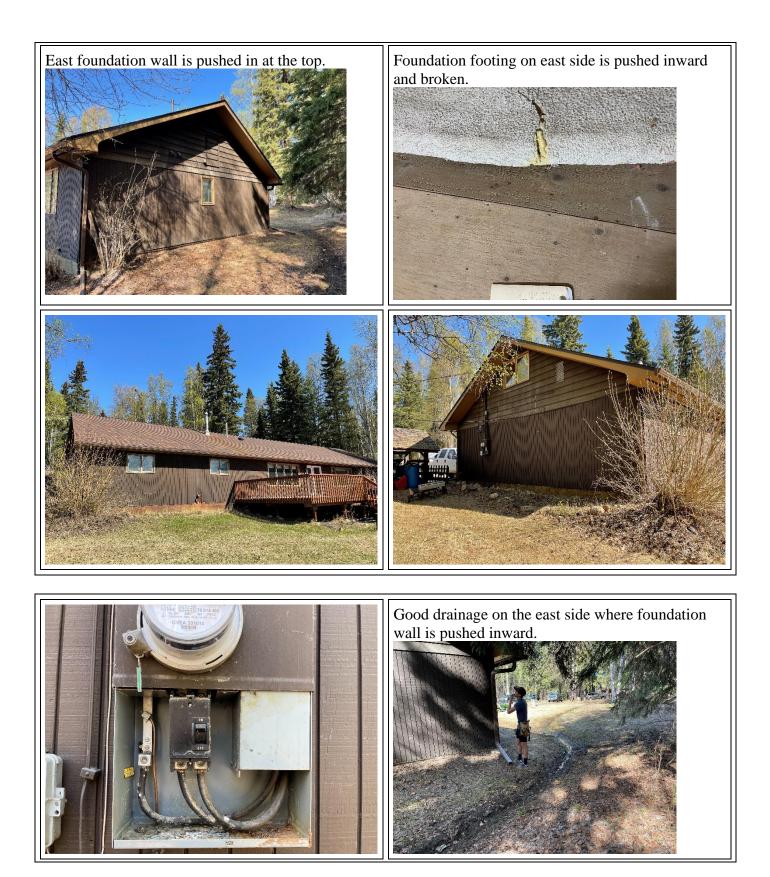
The inspection was limited to the portions of the building readily accessible. The report is intended to augment our onsite discussions. The comments are based on what could be

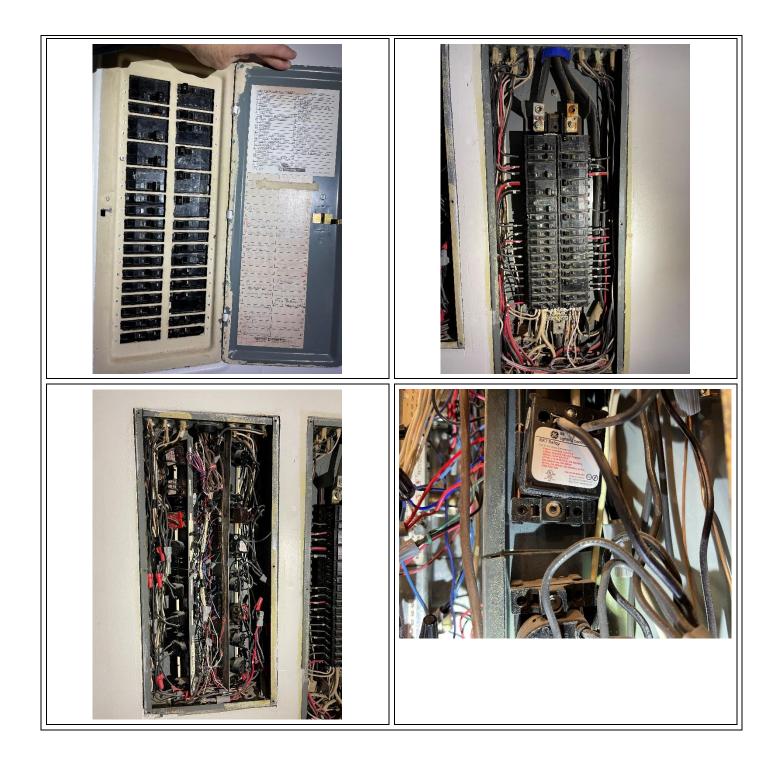
observed at the time of inspection. This report may not address every concern that you or another engineer deem applicable. It does not typically address detached buildings, mildew, mold, radon, wells, septic systems, fuel tanks, leaked fuel, soils, environmental hazards (such as lead in paint or piping, asbestos) or right of way/zoning violations. Leaks or condensation may not be identified if not readily visible. I encourage the client to retain other professionals such as mechanical technicians or environmental testing specialists to evaluate concerns or areas not addressed by an engineering report. The client must also exercise due diligence to review and evaluate the building including disclosures and other information available. Please notify me immediately if you believe that I did not address your concerns.



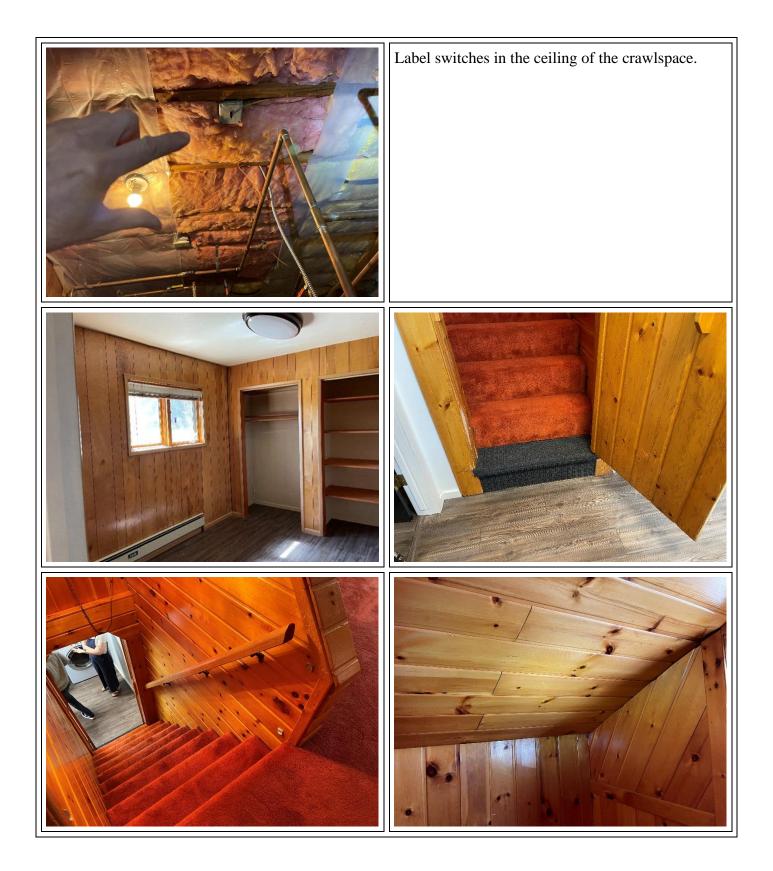
May 20, 2022 is the date for this stamp. Thanks for the opportunity to serve you. Please email <u>vmeurlott@gmail.com</u>, or call me at (907) 378-4663 if you need clarification or require reinspection. Sincerely, Vince Meurlott, P.E.

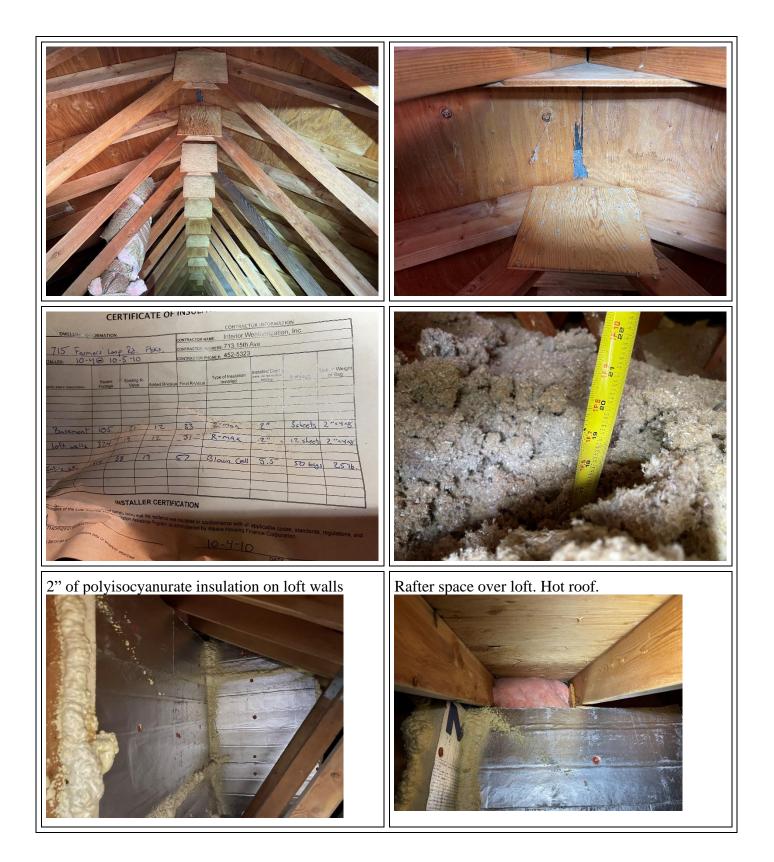


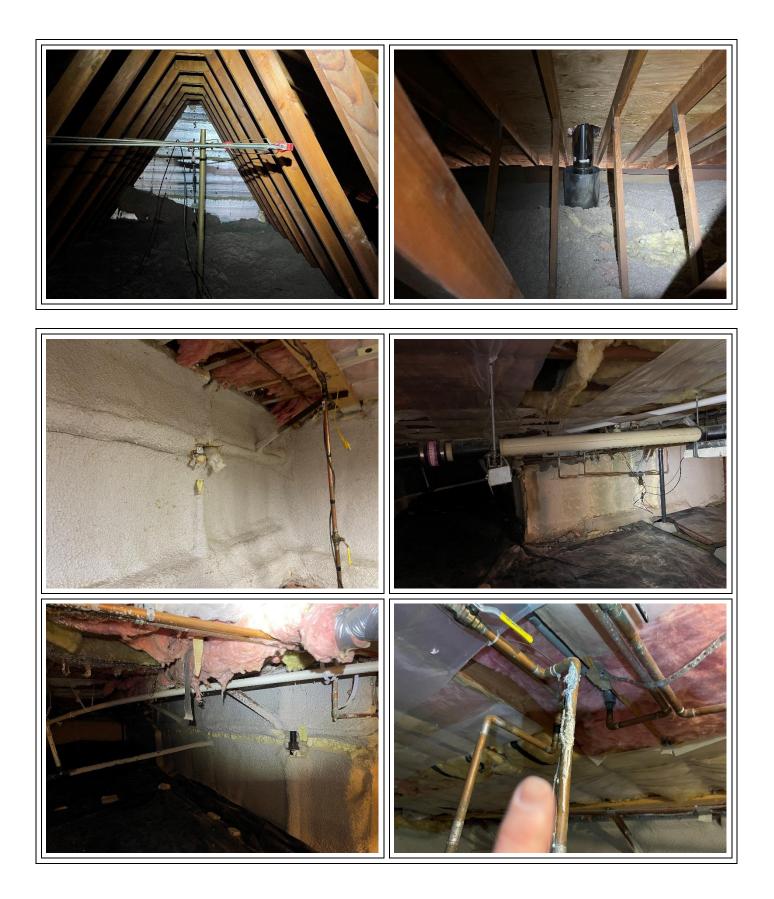














VINCE MEURLOTT P.E. ENGINEERING AND INSPECTIONS

596 Arvita Court, Fairbanks, Alaska 99712 907.378.4663, vmeurlott@gmail.com, meurlott.com

Date of Initial Inspection: May 20, 2022 Job: 715 Farmers Loop May 2022

To: Daniel & Michelle BettisC/O: Selling Licensee: Danielle Fenton, Hedgecock GroupListing Licensee: Ginger Orem, Crown Real EstateSeller: Michelle and Daniel Bettis

This is to acknowledge payment for the inspection and attached report. Thank you.

Amount paid: \$550.00

Paid on May 24, 2022 \$550.00 paid in full by Taylor and Abigail Elrod

Fax Cover Sheet

FROM

CHARLES P. JEANNET, PE NORTH STAR ENGINEERING & INSPECTION 599 Arvita Court Fairbanks, Alaska 99712 (907) 452-3573 Hm/Office Cell 388-6001 Fax 452-5000

Send to: Crown	Fax #: Date: \$66 402 -6420 3-26-09
Attention: Cinger	Subject: 715 Farmers Lp
Urgent Reply ASAP Please	comment Please review For Your Client
Total pages, including cover: 2	

Comments:

Here is my pavious Summary Rot as we discussed. I found the Conclusion in Bill Cole's (Soils Ak) report conci. of interest. Charlie

03/26/2009 1	9:11	907-452-5000	NORTH STAR ENGINEER	PAGE	02/02
599 Arvita Court		$\mathcal{T} = \mathcal{N}$	Charles P. Jeannet, P.E.	(907) 3	88-6001
Fairbanks, AK 99712		NORTH ST	TAR ENGINEERING & INSPECTION		52-5000

FOR: Pat Rhodes (Buyer) August 13, 2008

- C/O: Judy Somers – Somers & Associates
- RE: 715 Farmers Loop (Lot: 3, Gilbert Subdivision)

ENGINEER'S SUMMARY REPORT

On August 11, 2008 an inspection was made of the dwelling at the above referenced address on behalf of the purchasers for the purpose of identifying potential concerns affecting safety or soundness. Based primarily upon uncertainties regarding the foundation and the lack of current or historical subsurface information, it is my opinion that the home may continue to settle, perhaps significantly in the future. It is recommended that a geologic engineering firm be retained to provide a subsurface investigation in an effort to better identify associated risks.

This concludes my summary report with regard to this structure. My comments are based upon that which was evident and accessible to myself at the time of my inspection and should be considered supplemental to our on site discussions. It is hopefully understood that my findings may not be in common with the observations and opinions of others in this profession. Should any questions arise as to the scope of my inspection or the content of this report, please contact me. The opportunity to have served you is appreciated.

Sincerely.

Capy for Enger Charles P. Jeannet, PE 3/26/09 CP/.



Mr. James Fuzzard PO Box 70770 Fairbanks, Alaska 99707 September 30, 2008

RE: SUBSURFACE SOIL INVESTIGATION WITH FOUNDATION OBSERVATIONS BY SENIOR ENGINEER: Lot 3, Gilbert Subdivision, (715 Farmers Loop Road), SEC 23, T-1N, R-1W, F.M., Fairbanks, Alaska

Dear Mr. Fuzzard:

In accordance with our signed work authorization agreement dated September 19, 2008, we have performed a subsurface soil investigation and made a site visit to the abovereferenced property. The subsurface investigation was conducted on September 23, 2008, and consisted of three augered soil test borings. Our site visit was conducted on the same date. The purpose of this investigation is to provide you with subsurface soil information and comments by our Senior Engineer regarding the existing building foundation located on this property.

FIELD PROGRAM

Drilling was performed with a truck-mounted drill rig using $4^{1}/_{2}$ inch outside diameter, continuous flight, solid stem augers. All material brought to the surface was continually monitored by Ronald A. Drumhiller, Senior Technician with The Drilling Company Corporation.

The test borings were located near the northeast, northwest and southwest corners of the current building footprint. Approximate boring locations are shown on the test boring location sketch included with this report. The soils encountered in these borings are shown on the enclosed soil test boring logs. Selected soil samples were returned to our

715 Farmers Loop Road, Fairbanks

laboratory for soil moisture content analysis. The results of these analyses are also presented on the enclosed soil test boring logs.

The logs show the specific subsurface soil conditions encountered in each test location. Subsurface soil conditions may vary beneath other portions of the property. Perennially frozen soil ("permafrost") was encountered in two of the three soil test borings (TB-1 and TB-2). Groundwater was not encountered at any of the test boring locations at the time of our investigation, although moisture content results indicated saturated conditions. Visible ice was not encountered in any of the test borings.

OBSERVATIONS

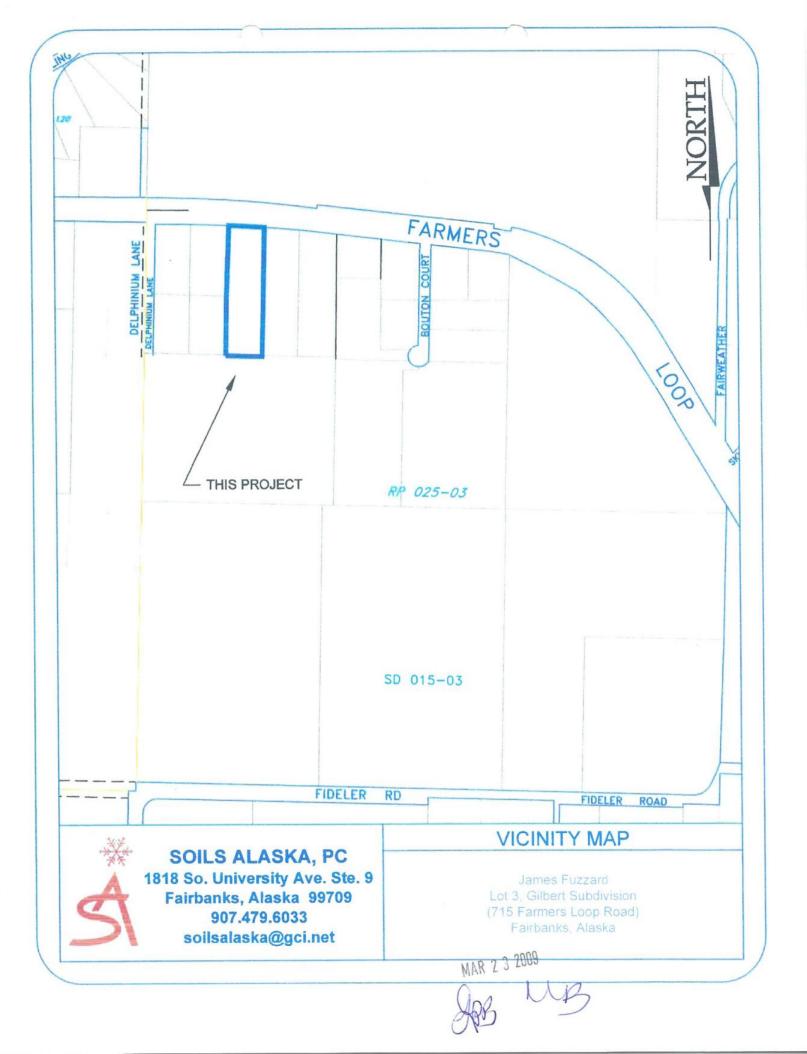
The subject lot slopes gently toward the south and contains spruce and birch trees up to 22 inches in diameter, as well as some willow. The existing residence is single story with a basement and attached garage. Landscaping consists of a grass lawn with a swale running towards the northeast portion of the house.

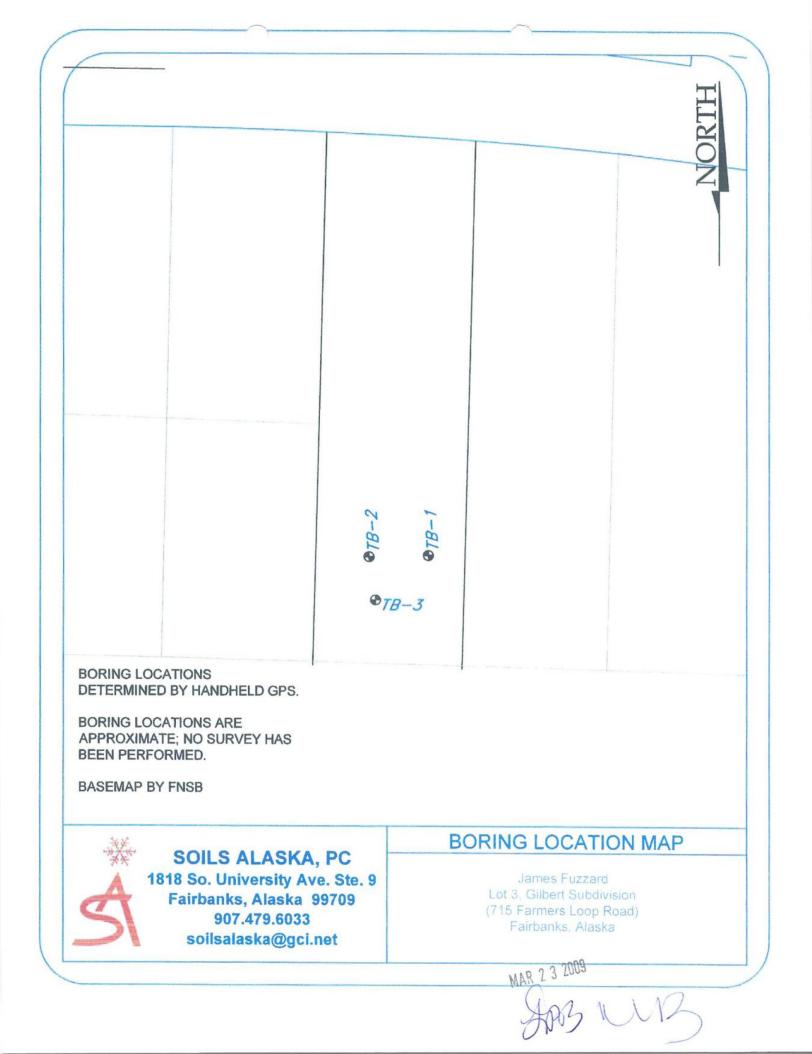
TB-1 was located 2 feet east and 5 feet north of the northeast corner of the house. TB-2 was located 2 feet east and 3 feet north of the northwest corner of the house. TB-3 was located 10 feet east and 3 feet south of the southwest corner of the house.

In general, the subsurface soil profiles consisted of fill to a maximum depth of 7 feet underlain by moderately high moisture brown silt that graded to saturated very dark brown silt at depths of 14 and 16 feet. Below these depths, the dark brown silt became gravish in color and continued to exhibit moisture contents at or near saturation levels. This silt became frozen at depths of 26 feet and 37 feet in TB-2 and TB-1, respectively. Frozen silt was not encountered in TB-3, which was advanced to 44 feet.

Detailed soil descriptions are given below for each test boring.

MAR 2 3 2009





Soils Alaska, PC

BORING: TB-1

Prepared for: James Fuzzard

Date Drilled: 9-23-08

Project Name/Location: Lot 3, Gilbert Subdiv. (715 Farmers Loop Road), Fairbanks, AK

Boring Description

- Location: NE Corner of Existing Building
- Terrain:South-facing SlopeVegetation:Birch & Spruce to 22"Drilling Method:Solid Stem AugerWeather:Sunny, +30° FEngineer:R. ColeLogger:R.A. Drumhiller

0 1 6 1 12 2 12 3 18 4 30 5 30 6 7 Gray SILT 41.5	DEPTH	SOILS LOG	San	nple ÖZ	USCS	DESCRIPTION	WATER	NVALUE (per 12")
12 - 1 2 24.2 12 - 3 Dark Brown SILT 42.3 18 - 4 (grades very dark brown) 39.2 24 - 4 4 39.2 30 - 5 40.8 39.6 30 - 6 Gray SILT 41.5	0 7			1		Dark Brown Organic SILT	15.9	
12 Jark Brown SILT 42.3 18 4 Grades very dark brown) 39.2 24 5 40.8 30 6 Gray SILT 41.5	6 -			2			24.2	
18 - 4 (grades very dark brown) 39.2 24 - 5 40.8 30 - 6 39.6 7 Gray SILT 41.5	12 -			0		Dark Brown SILT		
24 - 5 40.8 30 - 6 39.6 7 Gray SILT 41.5	18 -			3		(grades very dark brown)	42.3	
30 - 6 39.6 Gray SILT 41.5				4			39.2	
30 - Gray SILT 41.5	24 -			5			40.8	
41.5	30 -			6			39.6	
	36 -			7		Gray SILT	41.5	
Bottom Of Hole				8		Bottom Of Hole	55.1	
42 - MAR 2 3 2009 PAGE 1 OF 1 App MAC	42 -					MAR 2 3 2009		

Soils Alaska, PC

BORING: TB-2

Prepared for: James Fuzzard

Date Drilled: 9-23-08

Project Name/Location: Lot 3, Gilbert Subdiv. (715 Farmers Loop Road), Fairbanks, AK

Boring Description

Location: NW Corner of Existing Building

Terrain: South-facing Slope Drilling Method: Solid Stem Auger

Engineer: R. Cole

Vegetation: Birch & Spruce to 22" Weather: Sunny, +30° F Logger: R.A. Drumhiller

DEPTH	SOILS LOG	TYPE SS	ample OZ	USCS	DESCRIPTION	WATER CONTENT	NVALUE (per 12")
0 -			1		Grass and Moss Imported Fill, Brown Crushed Aggregate Base Brown GRAVEL @ 4" Brown SILT @ 1'	2.4	
6 -					Gray GRAVEL w/Sand @ 2' Brown GRAVEL w/Sand @ 5' Brown SILT		
		-18	2			21.9	
12 -		-10	3			26.4	
18 -		-10	4		(grades very dark brown) Gray-Brown SILT	35.7	
24 -		10	5		Gray SILT	40.5	
30 -			6			39.7	
36 -			7			45.2	
30		-	8		Frozen Gray SILT (soft) Frozen Gray SILT (hard) Bottom Of Hole.	45.8	
42 -							
					PAGE 1 OF 1 APBNER		

Soils Alaska, PC

1

BORING: TB-3

Prepared for: James Fuzzard

Date Drilled: 9-23-08

Project Name/Location: Lot 3, Gilbert Subdiv. (715 Farmers Loop Road), Fairbanks, AK

Boring Description

Location: Near SW Corner of Existing Building

Terrain:South-facing SlopeVegetation:Birch & Spruce to 22"Drilling Method:Solid Stem AugerWeather:Sunny, +30° FEngineer:R. ColeLogger:R.A. Drumhiller

DEPTH	FROZEN	SOILS LOG	Sa Sa	mple OX	USCS	DESCRIPTION	WATER CONTENT	NVALUE (per 12")
0 7				1		Grass Dark Brown Organic SILT Fill, Brown SILT (disturbed) Imported Fill, Gray GRAVEL w/Sand Brown GRAVEL w/Sand	20.2	
8 -				2		Brown SILT	22.1	
16 -			- 10	3		·	29.8	
-				4		(grades very dark brown)	45.6	
24 -			- 10	5		Gray SILT	38.6	
32 -			-10	6			39.0	
			10	7			39.7	
40 -			- 10	8			39.6	
40		Contraction of the second seco	- 15	9		Bottom Of Hole.	- 35.4	
48 -								
56 -						PAGE 1 OF 1		
						TAGE TOTT VIDE 110-		

Syı	mbol	Description	KEY TO SYMBOLS				
St	rata	symbols					
		Organics					
		Low plasticity organic silts					
		Silt					
		Fill					
So	il Sa	mplers					
		Auger					
		Denotes frozen	intervals				
Not	es:						
11	 Exploratory borings were drilled on 9-23-08 using a 4-inch diameter continuous flight power auger. 						
		ree water was en re-checked the	countered at the time of drilling or following day.	R			
3.	3. Boring locations were taped from existing features and elevations extrapolated from the final design schematic plan.						
4.		e logs are subje mmendations in t	ect to the limitations, conclusions, and this report. $MAR 23209$	MAR 2 3 2009			
5.		lts of tests con ne logs.	nducted on samples recovered are reported				

08-061-01 Fuzzard

715 Farmers Loop Road, Fairbanks

moisture content results in this material ranged from 22.1 percent at 9 feet to 45.6 percent at 19 feet.

Our observation of the existing basement indicated a continuous wall and spread footing foundation system. Since the wall and footing were covered with sprayed-on foam insulation at the time of our site visit, we were not able to determine the type of foundation material. This also prevented us from observing potential distress cracks. However, significant distress showed through the insulation on the east foundation wall and footing. This wall was bulging inward with a distress crack observed about onefourth of the distance from the south wall.

The height of the basement was about 8 feet for the majority of the space (mid and easterly portion) with a concrete slab covering the floor area. It is our understanding that this area had originally been a crawl space and was later excavated to a full basement. The floor slab was significantly out of level. The remainder of the space (southeast portion) was a 4 foot crawl space. The basement area contained a water boiler heating unit with plumbing lines servicing the first floor living spaces. Other visible utilities included sewer and electrical. Remnants of an old masonry or brick fireplace were observed near the center portion of the full basement. The temperature of the basement and crawl space was near room temperature at the time of our visit.

A series of adjustable jacks were observed in place: 17 along the perimeter walls, and 11 along the mid-portion of the full basement. The perimeter jacks were only visible at the adjustment point where a piece of batting insulation was removed. The adjustment points revealed a large adjusting nut and threaded rod that was welded to a steel 16-inch I-beam in order to raise the floor system. Although we measured approximately 5 inches of threaded rod portion above the adjusting nut, we could not observe the threaded portion below the nut due to the sprayed-on insulation covering the remainder of the jack. These jacks were observed to extend down to the top of the footing at several MAR 2

715 Farmers Loop Road, Fairbanks

locations, but we were not able to examine the bottom bearing surface due to the sprayed-on insulation covering the footing and jack.

The jacks that were installed near the mid-portion of the full basement area were observed to be used to raise the center portion of the floor system by bearing against a 10-inch wood beam, which was attached to the floor joists. These jacks were supported on individual spread footings as observed near the boiler. Steel angle supports were also observed at several locations connecting to the wood and steel beams.

It was evident that the house experienced significant differential settlement in the past by the space or gap observed between the perimeter I-beam and foundation wall. The gap measured approximately 3 inches along the east side of the south wall. The north wall gap measured more than one inch in places. We were not able to get precise measurements due to expanded insulation sprayed inside the separation gap.

CONCLUSIONS AND RECOMMENDATIONS

Based on our experience with similar soil profiles, it is our opinion that the house structure will continue to settle over time as the underlying frozen soils thaw and the saturated silts drain and consolidate.

We recommend the house be monitored periodically to ensure it does not settle beyond tolerable limits. This can be checked by a laser level survey for relative vertical movements. The installed jack systems should be maintained and adjusted as necessary to accommodate for future differential settlement. It was not apparent whether the perimeter jack systems were embedded or held rigid in the basement wall. Consideration should be made to install cross bracing between the jack systems to prevent potential lateral movement.

Page 5

MAR 2 3 2009

715 Farmers Loop Road, Fairbanks

Surface drainage should be directed away from the house and garage at all times to avoid saturated conditions of the adjacent surficial soils. This will reduce both the potential consolidation of the non-saturated soils below the foundation and heaving potential to the existing garage slab.

We appreciate the opportunity to be of service to you. Please do not hesitate to contact us should you have questions.



R. William Cole, P.E. Senior Engineer





BRYAN F. BORJESSON, PE CONSULTING CIVIL ENGINEER



P.O. BOX 74715 . FAIRBANKS, ALASKA 99707 . (907) 451-4482 . FAX (907) 451-1948

4/9/99

DCT House Movers 1234 Shypoke Dr. Fairbanks, AK 99701 Attn: Dave Thompson

> Inspection Date: 4/8/99 Property: 715 Farmers Loop Fairbanks, Alaska

Dear Mr. Thompson:

This will confirm our final inspection of a residence at the above address to check if foundation repairs have been accomplished and that the house has been releveled.

Our inspection revealed that the new structural foundation system has been installed. It has been installed to my previous requirements. The house has been releveled and is now in a level condition. All of the structural and releveling work is now complete. There is a small amount of cosmetic work remaining. It will not be necessary for us to reinspect the cosmetic work as the owner can determine whether or not it meets his requirements.

This concludes this report. If you have any questions, or we can be of further service, please let us know.

May cu Mb Very truly yours, MAR 2 3 2009 Bryan F. Borjesson, PE

BFB:dsr bfb99.1 715 Farmers Loop



State of Alaska

Residential Real Property Transfer Disclosure Statement

Prepared in compliance with Alaska Statute (AS) 34.70.010 - 34.70.200

General Information

AS 34.70.010 requires that before the Transferee/Buyer (
real property makes a written offer, the Transferor/Seller		
written disclosure form. This disclosure statement is in cor	npliance with AS 34.70.010. It concerns the residential re	al
property* located in the Fairbanks	Recording District, 49 Judicial	I
District, State of Alaska.		
Legal Description: hot 3 Gilbert Sub		
Property Address/City/Other: 7/5 Farmers A	LOOP Road	
Fairbanks, AK	79712	

* Residential real property means any single family dwelling, or two single family dwelling units under one roof, or any individual unit in a multi-unit structure or common interest ownership community whose primary purpose is to provide housing. AS 34.70.200(2) and (3).

AS 34.70.040(b) provides that if an item that must be completed in the disclosure statement is unknown or is unavailable to the Seller, and if the Seller or Seller's agent has made a reasonable effort to ascertain the information, the Seller may make an approximation based on the best information available to the Seller or Seller's agent. It must be reasonable, clearly labeled as an approximation, and not used to avoid the disclosure requirements of AS 34.70.010 – AS 34.70.200.

All disclosures made in this statement are required to be made in good faith (AS 34.70.060). The Seller is required to disclose defects or other conditions in the real property or the real property interest being transferred. To comply, disclosure need not include a search of the public records, nor does it require a professional inspection of the property.

If the information supplied in this disclosure statement becomes inaccurate as a result of an act or agreement after the disclosure statement is delivered to the Buyer, the Seller is required to deliver an amendment to the disclosure statement to the Buyer. An <u>addendum/amendment</u> form for that purpose may be attached to this disclosure statement.

Exemption for First Sale: Under AS 34.70.120, the first transfer of an interest in residential real property that has never been occupied is exempt from the requirement for the Seller to complete the Disclosure Statement.

Waiver by Agreement: Under AS 34.70.110, completion of this disclosure statement may be waived when transferring an interest in residential real property if the Seller and Buyer agree in writing. Signing this waiver does not affect other obligations for disclosure.

Violation or Failure to Comply: A person who negligently violates or fails to perform a duty required by AS 34.70.010 - AS 34.70.200 is liable to the Buyer for actual damages suffered by the Buyer as a result of the violation or failure. If the person willfully violates or fails to perform a duty required by AS 34.70.010 - AS 34.70.200, the Seller is liable to the Buyer for up to three times the actual damages. In addition to the damages, a court may also award the Buyer costs and attorney fees to the extent allowed under the rules of court.

Farmer

Buver's Initials

MAR 2 3 2009

08-4229 (Rev. 6/06)

	\sim			
Seller's Information	Regardin	erty		
Property Type (check	one):			
Single Family Duplex* (Including Sing Other (please specify)	gle Family with an A	partment) *Please co	omplete one form for each unit	
Do you currently occupy th	ne property? D Yes	s 🛛 No. If Yes, h	iow long?	
If not a current occupant,	have you ever occup	bied the property?	es No. If so, when?	
must complete Disclosure accordance with Section 1 provide Buyer with the "Pr http://www.epa.gov/lead/le	e of Information an 018 of the Resident otect Your Family Fr eadprot.htm.	d Acknowledgment of tial Lead-Based Paint H om Lead in Your Home	, or if Seller has any knowledge Lead-based Paint and/or Lea azard Reduction Act of 1992 (" pamphlet. The pamphlet can	also known as Title X) and be found on the Internet at
Foundation: Maconny	Block Poured	Concrete Piling	dular Construction D Other	1
Property Features:				
Circle those checked	items that have know	emain with the property own defects or malfunct e <u>Addendum/Amendme</u>	Also ions. Also nt(s) To The Disclosure Stater	nent.
Cooktop Oven(s) # of <u>One</u> Range/Oven Built-in Microwave(s) # Dishwasher Trash Compactor Garbage Disposal Instant Hot Water Disp Central Vacuum Insta Intercom Paddle Fan(s) # of Wood Stove(s) # of	t of <u>One</u> Saun t of <u>One</u> Stear Wate Wate Wate Gree Denser I Ve I Stora Barb	ub Cover a m Shower Room or Softener er Filtering System nhouse Attached entilating System eating System age Shed ecue Antenna	Detached Fire Alarms Auto Garage # of Opener(# of Remote Other Other	ens em tor(s) # of <u> </u>
Structural Componen Circle only those items to Also Describe the describe	hat have known defe	ects, malfunctions, or h r repair on the <u>Addendu</u>	ave had major repairs perform m/Amendment(s) To The Disc	ed within the last five years closure Statement.
 Fences/Gates 	• Rain	 Insulation 	 Electrical Systems 	Electronic Air Cleaner
Driveways	Gutters	 Woodstove(s) 	 Sewage Systems 	Heat Recovery
Private	 Exterior Walls 	• # of	Water Supply	 Ventilator System Swimming Pool
 Walkways Retaining 	 Interior 	 Fireplace(s) 	Garage Garage	 Mechanical
Walls	Walls	• # of	Garage Floor Drain Carport	 Filtration Pool Cover
- Foundation	 Floors 	Gas Starter	 Washer/Dryer Hook-ups 	 Hot Water Heater
Crawl Space	 Ceilings 	 Chimneys 	Humidifier	
Roof	 Doors Windows 	Plumbing	Air Conditioner	
 Patio/Decking 	 Skylights 	Systems		
	 Venting 	 Heating Systems 		
 Slabs 	 Other items not 	covered above?		
· Comments:Re/en	relince suster	n installed M	rch, 1999. An engin	eers letter of

Jusum Insvan	eanwar.1111.	111 Ungineer Jien
715 Farmers	Loop Road	SPB MB
Pro	perty Address	Buyer's Initials
's included int	hezgajer work.	
	715 Formers	Sustim The an early of an in the

MARy 2 3 /2009 Date

	\sim		
	Documentation: Check to uments for the subject property that the subject property the subject	W:	
P co 2/ D P	Current Engineer/ Property Inspection Report(s) completed within the last 44 months Preliminary Title Report As-Built Survey		
Add	ditional Information:		
Sup	ply information for the following items:	Yes	No
\triangleright	Drainage:	Ы	
	 Are you aware of ever having any water in the crawl space, basement, or lower level?		
	If Yes, where is it located and where does it drain to?		
A	Roof or Other Leakage:		
	Type: Asphalt/Composition Shingle Cedar Shake Built-up Metal Other		
	Age:		D
	If Voc provide leastion		D
	 Are you aware of any water leaking into the home? i.e., windows, lights, fireplace, etc If Yes, provide location. 	····· · ····	10
A	Fireplace and/or Woodstove: Date chimneys last cleaned? Who cleaned?		
A	Heating System(s):		
	Mark all types that apply: Hot Water Baseboard Wood Stove Grief Content and Content apply: Wood Stove Other		
	Age:years. Last Cleaned:Last Inspected:		
	Source: Natural Gas Electric Propane Tank Wood Coal		
	Age of Tank? years		
A	Hot Water Heater:		
	Age: years. Capacity:gallons. Type: Gas Electric Other		
A	Water Supply:		
	Type: Public Private Community Cistern/Water Tank If Cistern/Water Tank:	Size	
	If Private: Well Depth: feet. Flow Rate: gallons per minute.		
	 Have you had any problems with your water supply? 		B
	 Has the water supply been tested in the past 12 months? If Yes, attach all documentation from all tests. 	<u> </u>	
	Has the well failed while you have owned the property?	ם	
	Have you ever had a well pump problem or failure?		2
	 Do you supply water to, or receive water from others? If Yes, is there a recorded agreement?		
	Do you have a water rights certificate for this property?	P	ō
H	eiler's Initials Date	MAR/2 3	

08-4229	Rev.	6/06)
UU Thete U		

Ad	ditic	onal Information (Conti.):		
×	Sev	verage System:	Yes	No
	Туре	e: D Public Private D Community D Other		6
	•	Does your sewerage system have a lift station?		Ler .
		If Private: Septic Tank Holding Tank Other: Drainfield System: Bed Trench Mound Pit Other		
		Drainfield System: Bed Trench Mound Pit Crib Conter Innovative Sewerage System: Intermittent Sand Filter Biocycle Recirculating Upflow Filter		
		Innovative Sewerage System: I Intermittent Sand Filter I Blocycle I Hechculating Ophow Filter		
		Location of severage system: Back hand		
		Has the sewerage system failed while you owned the property?		2
		f Vec explain.		
	٠	Have you had any work maintenance or inspections done on the sewerage system during		2
		your ownership?		10.0
		Approval Source (and date if known):		/
		Are you aware of any abandoned sewage systems, leachfields, cribs, etc. on the property?		E
8	Fre	eze-ups:	K	
	+	Have you had any frozen water lines, sewer lines, drains, or heating systems?	···· find	- Head
A	Ave	orage runner only of the		
	Gas			
		ctric \$/Gallons: 500 Company/Source: (stat den Valley, Erector 12 \$/Gallons: 500		
	Oil	ctric \$/Gallons: 500 Company/Source: <u>Alaska getta leum</u> pane \$ od \$ company/Source: <u>Alaska getta leum</u> Company/Source: <u>Alaska getta leum</u> Company/Source: <u>Alaska getta leum</u> Company/Source: <u>Company/Source</u>		
	Wo	od \$ Company/Source: Sourd digk File	\mathcal{D}_{-}	
	Coa		the second s	
	Wa	wer \$ Company/Source:		
	Ret	fuse \$ Company/Source:		
	Oth			
To	thet	pest of your knowledge, are you aware of any of the following conditions with respect to the subject property? If a the relevant item number and explain the condition on the <u>Addendum/Amendment(s)</u> To The Disclosure State	ement.	"Yes,"
Inc				No
A	Tit		Yes	No
	1.	Do you know of any existing, pending, or potential legal action(s) concerning the property?		R
		Do you know of any street or utility improvements planned that will affect the property?		Pera
	3.	Road maintenance provided by?		Z
	4.	If Voc expiration date:		
	5.	Is there a homeowner's association (HOA) for the property?	ū	Ø
		If Yes, HOA name: HOA Telephone:		
		Mandatory Voluntary Inactive Dues Amount: \$		to
		Are there any levied or pending assessments?	·····	
		Who is responsible for issuing the resale certificates mannet.		
A	Se	etbacks/Restrictions:		
	6.	Have you been notified of any proposed zoning changes for the property?		Ø
	7.	Are you aware of features of the property shared in common with adjoining property owners,		
		such as walls, fences, and driveways, whose use or responsibility for maintenance may affect the property?		
	8.	to the set of the second time and the second se	ם	Z
	9.	Are you aware of any violations of building codes, zoning, setback requirements, or		-
	0.	subdivision covenants on this property?		
	10.	the second second second ship areas of this preserver.	Lan	Ø
	2/	DY and The I Dal Somilie	MAR	3 2009
11	Sh c	h. L. 2, 37, 09 715 Farmens Low Road Property Address Buyer's Initials	D	ate
5	ellers	I IIIUUIS		

08-4229	(Rev.	6/06)
OC TRADE	() 10	,

-4-

Additional Information (Contin	Yes No	2
11. Are you aware of any borough, city, deed, or private restrictions on the use of the property?	k	
to the use over of any variances being applied for, or granted, on this property?	'wall 🛛 🖋	Y
 Are you aware of any easements on the property? 		
> Encroachments:		Y
 Does anything on your property encroach (extend) onto your neighbor's property? Does anything on your neighbor's property encroach onto your property? 		Y
 Environmental Concerns: 16. Are you aware of any substances, materials, or products that may be an environmental 		
16. Are you aware of any substances, materials, of products of photoes paint, fuel or chemical hazard such as asbestos, formaldehyde, radon gas, lead-based paint, fuel or chemical storage tanks, contaminated soil, water or by-products from the production of methamphetan on the subject property?	nines	Z
for a standard storage tanks on this property? Number of tanks:		Z
18 Are you aware if the property is in an avalanche zone and/or flood plain?		Z
19. Are you aware of any damage to the property or any of the structures from flood,		P
and there you over filed an insurance claim for any environmental damage to the property?		P
 Are you aware of a waste disposal site or a gravel pit within a one-mile radius of the property 	/?	
> Soil Stability:		
22. Are you aware of any grading, excavation or filling on the property or any portion of the		Ø
23. Are you aware of any permafrost or other soil problems which have caused setting,	b	
24. Are you aware of any flooding, drainage, or grading problems that affect this property :		Page 1
> Construction, Improvements/Remodel:	tr	
 Construction, improvements/nemodel. 25. Have you remodeled, made any room additions, structural modifications or improvements? If Yes, please describe. Was the work performed with necessary permits in compliance If Yes, please describe. Was the work performed with necessary permits in compliance 	ove garage	
With building codes :		
26. Has a fire ever occurred in the structure?		Z
> Pest Control or Wood Destroying Organisms:		
27. Are you aware of any termites, ants, insects squirrels, vermin, rodents, etc. in the structure a. If Yes, what type? <u>Squittees in shed</u> but alls have chased them a	21way ~	-
b. If Yes, where ?	S,	
 a. If Yes, when? <u>Sourcess domaged sizen door to shed</u>. b. If Yes, what type? 		u
a. If Yes, when? <u>Sources duringed screen and the struct</u>		
c. If Yes, where?		
 d. If Yes, describe what was done to resolve the problem: 		
Cihon .		
> Other: 29. Pets		
 29. Pets a. Have there been any pets/animals in the house? <u>2 CAJS</u> / 1 dog b. If Yes, what kind? 	<u>M</u>	
	11.000000	000
Seller's Initials Date Date Date Date Date Date Date Date	MAR Z 3 Z nyer's Initials Date	009

08-4229	(Rev.	6/06)

30.	Noise	Yes	No
	a. Are you aware of any noise or sound disturbances that affect the property, including		K
	b. If Yes, explain: <u>None Known - Very peaceful and quiet</u> <u>In that area:</u>		

I/We have completed this disclosure statement according to AS 34.70.010 - AS 34.70.200 and these instructions, and the statements are made in good faith and are true and correct to the best of my/our knowledge as of the date signed. I/We authorize any agent(s) representing any principal(s) in this transaction to provide a copy of this statement to any person or entity in connection with any actual or anticipated transfer of the property or interest in the property.

Hilda Seller:

Date: Date:

Buyer's Notice and Receipt of Copy

Transferee (Buyer) Awareness Notice: Under AS 34.70.050, Transferee (Buyer) is independently responsible for determining whether a person who has been convicted of a sex offense resides in the vicinity of the property that is the subject of the Transferee's (Buyer's) potential real estate transaction. This information is available at the following locations: Alaska State Trooper Posts, Municipal Police Departments, and on the State of Alaska, Department of Public Safety Internet site: www.dps.state.ak.us.

Transferee (Buyer) Awareness Notice: Under AS 34.70.050, Transferee (Buyer) is independently responsible for determining whether, in the vicinity of the property that is the subject of the transferee's potential real estate transaction, there is an agricultural facility or agricultural operation that might produce odor, fumes, dust, blowing snow, smoke, burning, vibrations, noise, insects, rodents, the operation of machinery including aircraft, and other inconveniences or discomforts as a result of lawful agricultural operations.

The Buyer is urged to inspect the property carefully and to have the property inspected by an expert. Buyer understands that there are aspects of the property of which the Seller may not have knowledge and that this disclosure statement does not encompass those aspects. Buyer also acknowledges that he/she has read and received a signed copy of this statement from the Seller or the Seller's agent.

Buyer: demphate	Date:	MAR 2 3 2009	
Buyer: Hatto	Date:	MAR 2 3 2009	

Farmers hours Property Address

08-4229 (Rev. 6/06)

ation Addendum or Amer. nt

Use this page to:

- clarify repairs, defects, or malfunctions 1)
- to explain items in more detail 2)
- 3) to make changes or to update this disclosure form

AS 34.70.020 provides that if a disclosure statement or material amendment is delivered to the Buyer after the Buyer has made a written offer, the Buyer may terminate the offer by delivering a written notice of termination to the Seller or the Seller's agent within three days after the disclosure statement or amendment is delivered in person or within six days after the disclosure statement or amendment is delivered by deposit in the mail.

In compliance with AS 34.70.080, the Seller amends the disclosure statement for the real property described below:

List items changed or clarified. Use additional Addendum/Amendment pages, if necessary.

Page #	Item/Explanation
2	Regarding shudural components:
	Regarding shudural components: D.C.T. Conhactors installed a new releveling
	sustem to the Acuse in March 1999, Bryan Boriesson, P.E.
	consulting engineer Bas provided a letter of approval,
5	Consulting engineer Bas provided a letter of approval, A new deck was added to the south side of the
-0	house in the summer of 2006. Construction was done
	by Russ Showalter Construction.
	0

I/We (Seller(s)) certify that the information in this Addendum/Amendment To The Disclosure Statement is true and correct to the best of my/our knowledge as of the date signed.

Seller:

Date:

Seller:

Date:

I/We (Buyer(s)) have received a copy of this Addendum/Amendment To The Disclosure Statement.

Buyer:	Date:MAR_2 3 2009
Buyer:	Date: MAR 2 3 2009
Pa	ge of
N. J. J. 227.09 715 Fam	Property Address Rd. Buyer's Initials Date

08-4229 (Rev. 6/06)

hizzand DII Owner: banks. A Main 712 Property Address: 715 Formiens LODA Brief Legal Description: 107 Subdivision 2 10

24.2 Initials

Property Address

2 3 2009 **Buyer's** Initials Date