Part III - Required Diagram of System(s)

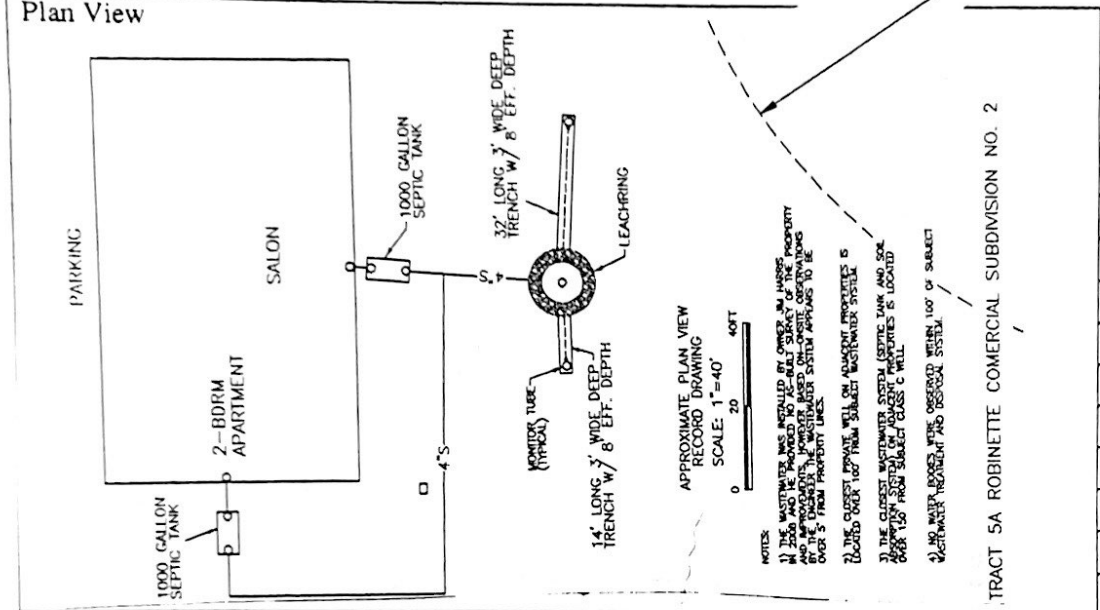
In a plan view, locate and identify each of the following:

a) Well b) All Structures c) Septic Tank d) Soil Absorption system (include dimensions)
e) Surface Water f) Sources of contamination g) Property Line h) Closest well on adjacent property
i) Closest septic tank on an adjacent property j) Closest edge of an absorption field on adjacent property
k) All Cleanouts and monitor tubes l) Testhole location

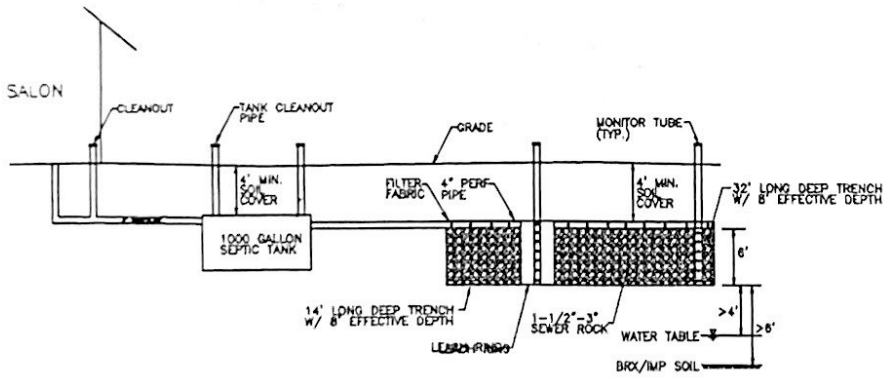
2. Show distances between the well and each of the sources of contamination listed in 1.
3. Show distances between water bodies and each part of the onsite system listed in 1.
4. In a cross section view of the soil absorption area, identify each component and show the depth (thickness)
   a) Soil cover b) Absorption Material c) Water Table d) Bedrock e) Discharge pipe

Testhole total depth: 13 ft. Groundwater/Seeps encountered? Y (N) at ____ ft
Impermeable soil (Silt/Clay/Bedrock) encountered? Y (N) at ____ ft

Plan View



Cross Section



CROSS SECTION
RECORD DRAWING
NTS

Testhole Log

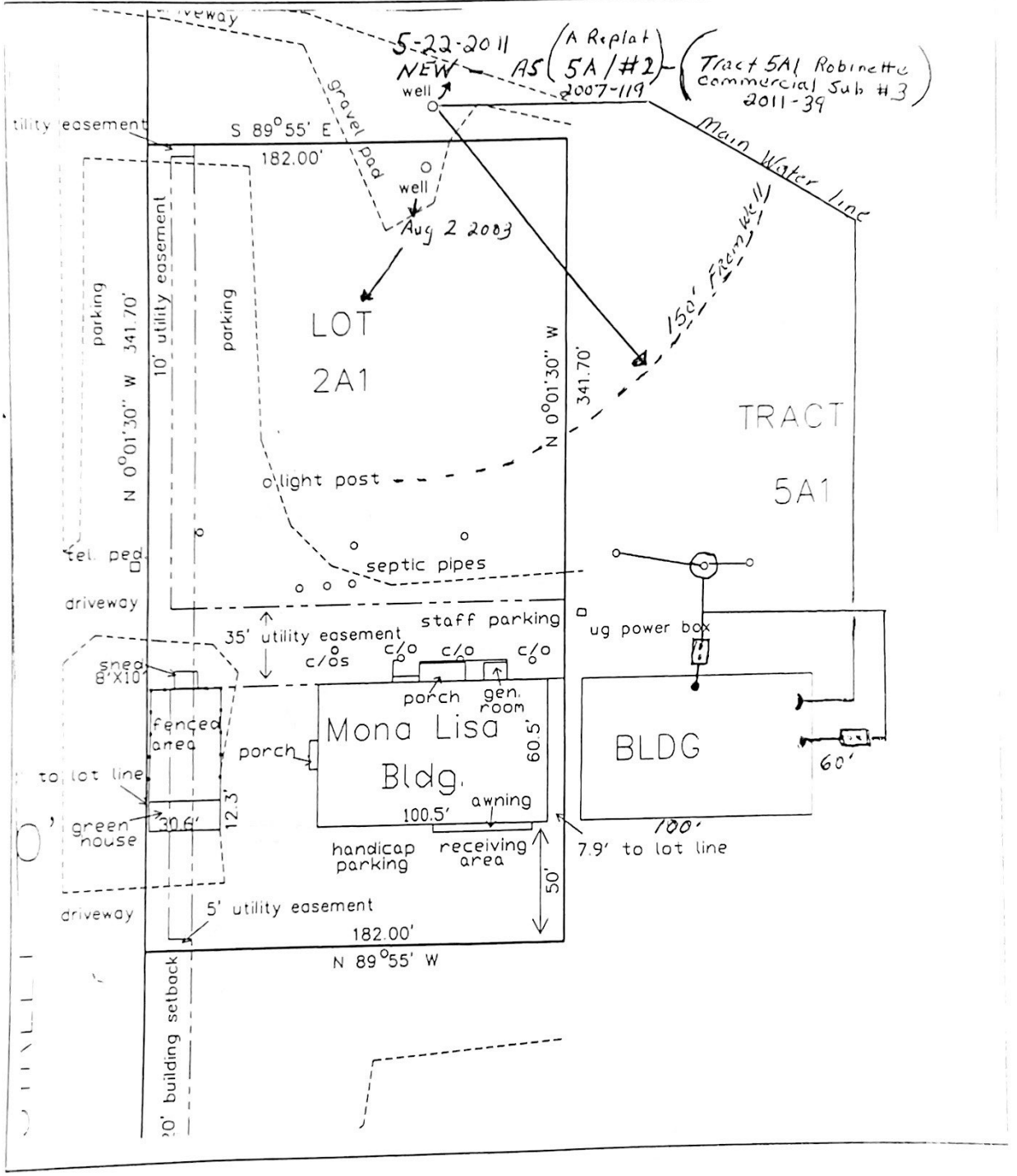
Date: 10-4-09
Inspected By: AT

1 ft	
2 ft	
3 ft	
4 ft	
5 ft	SM
6 ft	
7 ft	
8 ft	
9 ft	ML
10 ft	
11 ft	
12 ft	
13 ft	TD 13'
14 ft	
15 ft	
16 ft	
17 ft	
18 ft	
19 ft	
20 ft	
21 ft	

DIAGRAM OF PUBLIC WATER SYSTEM:

In a plan view, locate and identify each of the following, include distances measured in feet.

a) System source: well, infiltration gallery, spring, rain catchment area, or surface water source and intake structure
b) All buildings and structures.
c) Water and sewer lines to each building.
d) Wastewater treatment and disposal system.
e) Water pumps with type and maximum flow rate listed.
f) Storage tanks including type, size and content.
g) Property lines, adjacent roads and driveways.
h) Sources of contamination within 150 feet of source.
i) All surface water within 50 feet of source.



(rev 3/02)

Legal Dis: Robinette Commercial Sub #3
Tract 5A1 Plat Recorded # 2011-39
Drilling Company - Smith Drilling Completed 5/22/2011

For **wellhead protection**, a well must have:

1. Have a sanitary seal. yes
2. Terminate at least one foot above ground/floor level. 3Ft
3. Must be grouted with a watertight cement grout, sealing clay (bentonite,) or an equivalent material for at least 10 feet of continuous grouting within the first 20 feet below the ground surface. yes
4. The surface must be sloped or contoured to drain away from the well for at least 10 feet in all directions around the well. yes

A **well log** must contain the following:

1. the method of construction cable tool
2. the type of fluids used for drilling water
3. the location of the well tract 5A1 as above
4. an accurate log of the soil and rock formations encountered and the depth at which the formations occur yes
5. the depth of the casing 103 ft.
6. the height of the casing above ground 3 ft.
7. the depth and type of grouting bentonite
8. the depth of any screens well was perforated at 78 to 78.5 ft.
9. the casing diameter 6 inch
10. the casing material steel
11. the depth of perforation or opening in the casing
12. the well development method bailing + surging
13. the total depth of the well 103 ft.
14. the depth to the static water level 70 ft.
15. the anticipated use of the well commercial
16. the maximum well yield 30 G.P.M.
17. the results of any well yield, aquifer, or drawdown test that was conducted well was pump at 30 G.P.M 4 hrs. 5 ft. D.D
18. The depth of the pump intake and the pump performance data (if the water well contractor or person who constructs the well installs a pump at the time of construction). 1 H.P 18 GPM. Gould 230 V. Pump

Randy Smith
Smith Well Drilling Inc.
Nov. 28, 2011

TAURIAINEN ENGINEERING & TESTING
35186 Spur Hwy Soldotna, AK 99669 (907)262-4624
FAX 262-5777 engineeringalaska@gci.net

Please Read Instructions On Back
Print All Information

TOTAL COLIFORM BACTERIA DRINKING WATER ANALYSIS

Client Name CIAO BELLA SALON
James M. Harris

Mailing Address 36381 PINE ST. (Physical 36142 First)
Soldotna AK 99669

Lab Use Only
Lab Number 2009-1958

Phone: 907-262-4506
Fax ($1.05 Charge): 262-1312

Sample Information: ● Residential Water System ○ Public Water System ID No. _____

Legal Description: _____

Sample Location: (bathroom, kitchen, etc) Kitchen

Sampled: Date: 10/28/09 Time: 10:00am By: CINDY BERTA

Sample Type: ○ Routine ○ Special Purpose _____
○ Check Sample (For previous unsatisfactory sample with lab number (_____)

Disinfection: ● Untreated ○ Treated (chlorine, UV, etc.) _____

Relinquished: Date: 10/28/09 Time: ~~10:00am~~ 1050 By: CBerta

Received: Date: 10/28/09 Time: 1050 By: CO Paid: #1149

Condition: X Satisfactory ○ Rejected Comments: _____

This report is for the exclusive use of the party to whom it is addressed. By submitting a sample for testing to Taurianen Engineering & Testing, Inc. (TET), the Client agrees to the terms and conditions on reverse.

⬇ To be filled out by Lab ⬇

Date Test Started: 28 oct. 2009 Time Test Started: 1530 Analyst: SRT

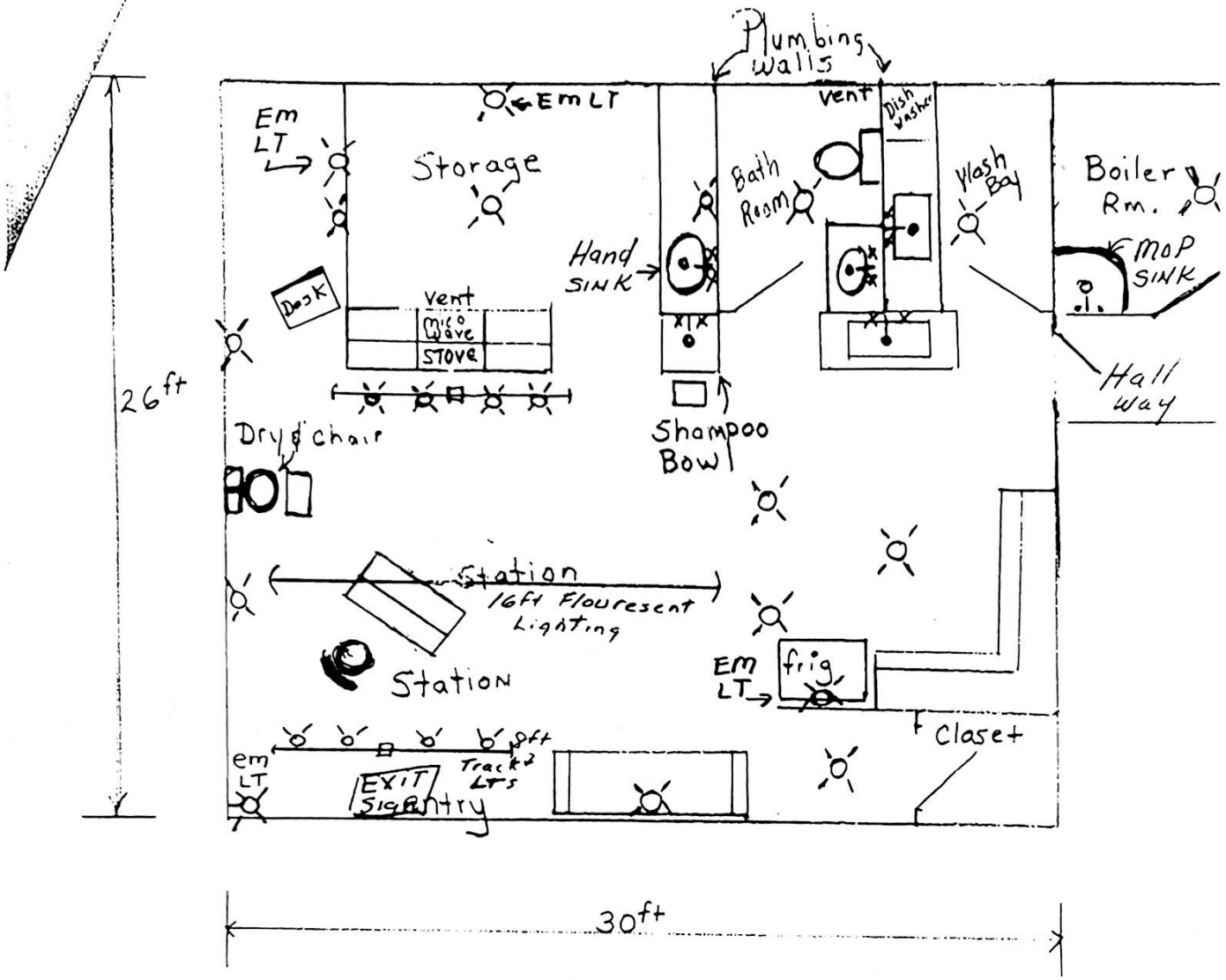
COLILERT TEST RESULTS (SM 9223B)

	Date	Time	Analyst
Color: ● Clear and Negative for Total Coliform - Satisfactory	29 oct 09	1545	SRT
○ Yellow and Positive for Total Coliform - Unsatisfactory ○ Repeat Samples Required			
○ Yellow w/ Fluorescence and Confirmed E. Coli.			

Comments: _____

DIRECTIONS:

3/16 scale



Ciao Bella Salon

Plan

TRACT 5A1 / 5A2

RECEIVED
NOV 21 2011
DEC SOLDOTNA
ADEC
Kenai Area

STATE OF ALASKA
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CLASS "C" PUBLIC WATER SYSTEM APPROVAL PROCESS

DEC 05 2011
EH DW PROGRAM

Approval of a Class "C" Public Water System is required by the State of Alaska Drinking Water Regulations 18 AAC 80. The Department of Environmental Conservation has developed the following Inventory and Source Registration Form to provide public water system owners with a streamlined approval process. The State of Alaska Drinking Water Regulations Title 18 Chapter 80 can be downloaded from our web site at **http://www.state.ak.us/dec/title18/title18.htm.**

The Department no longer requires review of a water system design from a registered engineer for approval to construct a Class "C" Public Water System. The Department does issue an approval to operate upon completion of this form by the owner. Approval is based on the owner certifying that the system meets the minimum source water protection requirements, minimum separation distances, and minimum cross-connection provisions as described in the drinking water regulations. The water system must also demonstrate satisfactory water quality for nitrate and coliform bacteria.

This form is not intended to cover every requirement of the drinking water regulations. The owner is responsible for providing safe water to the public and complying with all Department regulations. This approval process relies on the owner to ensure that minimum construction standards are followed for such items as pumps, water storage tanks and construction materials. A manual titled "Suggested Practice for Class "C" Water Systems with Groundwater Sources" is available to assist in the design of a water system.

The Department recommends that the owner retain a registered engineer for design and inspection assistance. The Department will accept a registered engineer's certification of the requirements found in the drinking water regulations for a Class "C" Public Water System in lieu of this form. The Department's approval is based on a limited review, and an engineer can ensure that all aspects of the water system design and construction conform to industry standards and Department regulations.

If a system uses a surface water source or a groundwater source that is or may be under the direct influence of surface water, then the system is required to have a water treatment system designed and inspected by a registered engineer.

The Inventory and Source Registration Form and all required attachments must be submitted to your local office of the Department of Environmental Conservation at the addresses listed below:

Anchorage Office
555 Cordova Street
Anchorage, AK 99501-2617
(907) 269-7517

Bethel Office
PO Box 557
Bethel, AK 99559
(907) 543-3215

Fairbanks Office
610 University Avenue
Fairbanks, AK 99709
(907) 451-2109

Juneau Office
410 Willoughby Avenue
Juneau, AK 99801-1795
(907) 465-5317

Ketchikan Office
540 Water Street
Ketchikan, AK 99901
(907) 225-6200

Kenai Office
43335 Kalifornsky Beach Rd., Suite 11
Soldotna, AK 99669
(907) 262-5210 ext. 223

Wasilla Office
PO Box 871064
Wasilla, AK 99687
(907) 376-5038

Please see our web site for more information: **http://www.state.ak.us/dec/home.htm**

(rev 3/02)

SMITH WELL DRILLING
CONSTRUCTION LOG

DRILLER Jason Smith RIG TYPE: CABLE TOOL, DATE COMPLETED 5/22/2011

WELL OWNER Mike Harris NEAREST COMMUNITY Soldotna

WELL LOCATION:(address and legal description) Pine Street

location sketch

Depth of well 103 ft. Casing: depth 103 ft.
Casing Diam. 6 in. Static water level 70 ft.
(above, below) Land surface. Date _____
Finish of well: (open-end, screen, perforated) @ 78-78.5 ft
open hole, other) _____
Describe intervals and size: _____
Well yield tested by(pumping, bailing, air) at
30 gpm for 4 hours with 5 ft. of drawdown
from static level.

DRILLER'S MATERIAL LOG

Depth below land surface in feet	Give description of strata penetrated(size of material, color, hardness of drilling and water content)
0 to 2	Fill / Top Soil
2 to 8	Brown Clay + Gravel
8 to 12	Brown Clay
12 to 21	Brown Silty Sand
21 to 36	Brown Sand
36 to 39	Brown Sand + Gravel
39 to 56	Brown Sand
56 to 58	Brown [redacted] Sand + Gravel
58 to 77	Brown Gravel + Sand
77 to 79	Brown Gravel
79 to 95	Brown Sandy Gravel
95 to 98	Blue Sand
98 to 103	Blue Sandy Gravel
to	
to	
to	
to	
to	
to	
to	
to	

comments: Grouted from 0 to 10 ft.

Legal Dis: Robinette Commercial Sub#3
Tract 5A1 Plat Recorded # 2011-39
Drilling Company - Smith Drilling Completed 5/22/2011

RECEIVED
NOV 28 2011
ADEC
Kenai Area Office

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18. The depth of the pump intake and the pump performance data (if the water well contractor or person who constructs the well installs a pump at the time of construction). 1 H.P 18 GPM. Gould 230 V. Pump

Randy Smith
Smith Well Drilling Inc.
Nov. 28, 2011