

## **7.0 BULDING 4951 – TESLIN HEALTH CENTRE**

### **7.1 Description of Existing Water system**

Building 4951, the Teslin Health Centre, is served by a water system that delivers water from a well in a pit approximately 4 m from the Health Centre. The well location and other details about the surrounding area are provided as Figure 4971-A in Appendix A7. The coordinates of the wellhead, as measured by a GPS device, were recorded as:

- UTM ZONE 8
- Northing: 6671784
- Easting: 626739

The Teslin Health Centre water treatment system consists of a sand filter and a water softener. A schematic detailing the current water system is provided as Figure 4951-B in Appendix A7.

### **7.2 Description of Existing Wastewater Systems**

The Teslin Health Centre wastewater is discharged to the community piped sewage collection system.

### **7.3 Water Quality Results**

#### **7.3.1 Water Quality Results from Previous Sampling**

Regular bacteriological sampling carried out between September 2004 and March 2005 did not indicate any positive coliform or *E. coli* testing results. A summary of historical bacteriological results is presented in Table 4951-1 in Appendix A7.

Detailed potability analyses were performed on samples collected from the Teslin Health Centre on September 9, 2004. The results are presented in Table 4951-2 in Appendix A7, and are summarized in the following:

- The TDS concentration was 865 mg/L, which exceeds the CDWQG AO of 500 mg/L;
- The total arsenic concentration, although below the current CDWQG MAC of 0.025 mg/L, was greater than the proposed MAC of 0.005 mg/L;

- 
- The pH was reported at 8.51, slightly above the CDWQG aesthetic objective of 8.5;
  - All other parameters analyzed were below the applicable CDWQG criteria for the sample(s) submitted.

### 7.3.2 Identification of Additional Analytical Required

UV absorbance, silicate, phosphate, vanadium and arsenic were selected to confirm previous results and to provide necessary information for future treatment system design. Results from additional analytical sampling are summarized in Table 4951-2 in Appendix A7 and are outlined below:

- The total and dissolved arsenic concentrations were below the current CDWQG MAC of 0.025 mg/L, but were greater than the proposed MAC of 0.005 mg/L;
- Field chemistry reported the pH to be 8.57, above the CDWQG aesthetic objective of 8.5.

### 7.3.3 Indicators of Potential Contamination

No elevated concentrations of indicator parameters were observed in the sample results reviewed.

## 7.4 Conceptual Hydrogeology

This site is located near the southeast corner of a small peninsula extending into Teslin Lake, as shown on Figure 4951-A in Appendix A7. In general, there are two primary aquifer zones identified by previous EBA studies in the Teslin area. These zones may be generalized as shallow unconfined aquifer(s) and deeper confined aquifer(s). Based on topography and proximity to surface water, the groundwater flow direction in the vicinity of the site is inferred to range from easterly to southerly.

## **7.5 Potential Contaminant Sources**

Potential contaminant sources observed during the site investigation are compiled in field notes in Appendix A7. Photos of potential contaminant sources are also provided at the end of this appendix.

Nearby potential sources of contamination relevant to the Teslin Health Centre well include:

- The community sewer main located about 30 m from the well; and,
- Two ASTs located about 5 m and 9 m away from the well.

### **7.5.1 Spills Records and Contaminated Sites Search Results**

The Environment Canada Environmental Protection Branch did not identify any contaminated sites issues for this property or neighbouring properties. Spill records on adjacent sites were identified however. According to spill reports, on four separate occasions raw sewage was spilled at lift station 2 on Jackson Avenue, approximately 200 m northeast from the well on this site. It is unlikely that these spills impacted on groundwater quality at this site.

## **7.6 Identified Water System Deficiencies and Associated Risk**

### **7.6.1 High and Medium Risk Deficiencies**

- There is no disinfection system on this water system.
- The well is located in a pit below grade and is not equipped with a surface sanitary seal (grout or bentonite) to at least 6 m in depth.
- By definition of the Draft Yukon GUDI Assessment Guideline, the well is potentially under the direct influence of surface water because it does not meet the requirements of the Guidelines for Water Well Construction.

### **7.6.2 Low Risk Deficiencies**

- There are above ground fuel storage tanks within 30 m of the well. They are, however, both equipped with secondary containment. One tank

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appeared to be a temporary installation and will likely be removed in the near future; and,

- The arsenic concentration, although not above the current CDWQG MAC, is above the proposed new MAC.

## 7.7 Mitigative Options for Deficiencies

Mitigative options were developed to address the deficiencies identified in the previous section. Deficiencies are categorized by recommended level of priority (with Priority 1 being most critical).

### 7.7.1 Priority 1

- A NSF-61 certified filtration system (to 1 micron absolute) should be installed; and,
- An NSF/ANSI 55 certified UV disinfection system should be installed.

These are conceptual design recommendation based on the information available, and are intended to be used for planning and budgeting purposes. Engineering input will be required for final system specifications or design.

### 7.7.2 Priority 2

- The wellhead completion should be improved by extending the casing to a minimum of 0.5 m above ground and installing an adequate surface seal around the well casing.

### 7.7.3 Priority 3

- A point of entry arsenic removal system should be installed to ensure that the water meets the proposed CDWQG maximum acceptable concentration of 0.005 mg/L; and,
- The ASTs should be moved to suitable location greater than 15 m from the well and preferably downgradient.

## 7.8 Cost Estimates for Mitigative Options

Engineering costs for mitigative options are estimated to be 20% of construction costs, and would include inspection and completion reporting. The costs for

materials and labour (not including engineering) are provided in the sections below. An additional contingency allowance of 20% is suggested for budgetary purposes.

#### 7.8.1 Priority 1

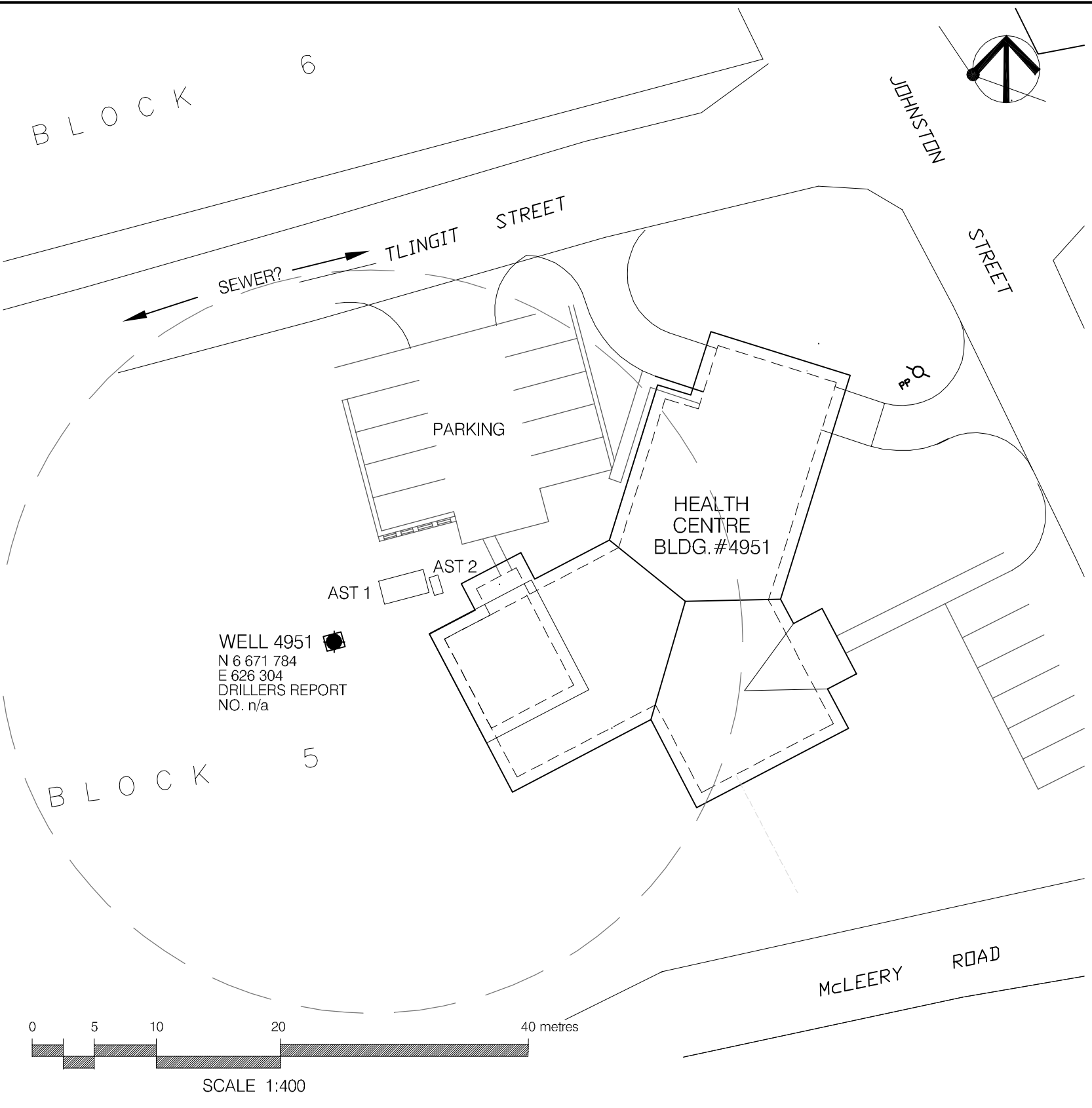
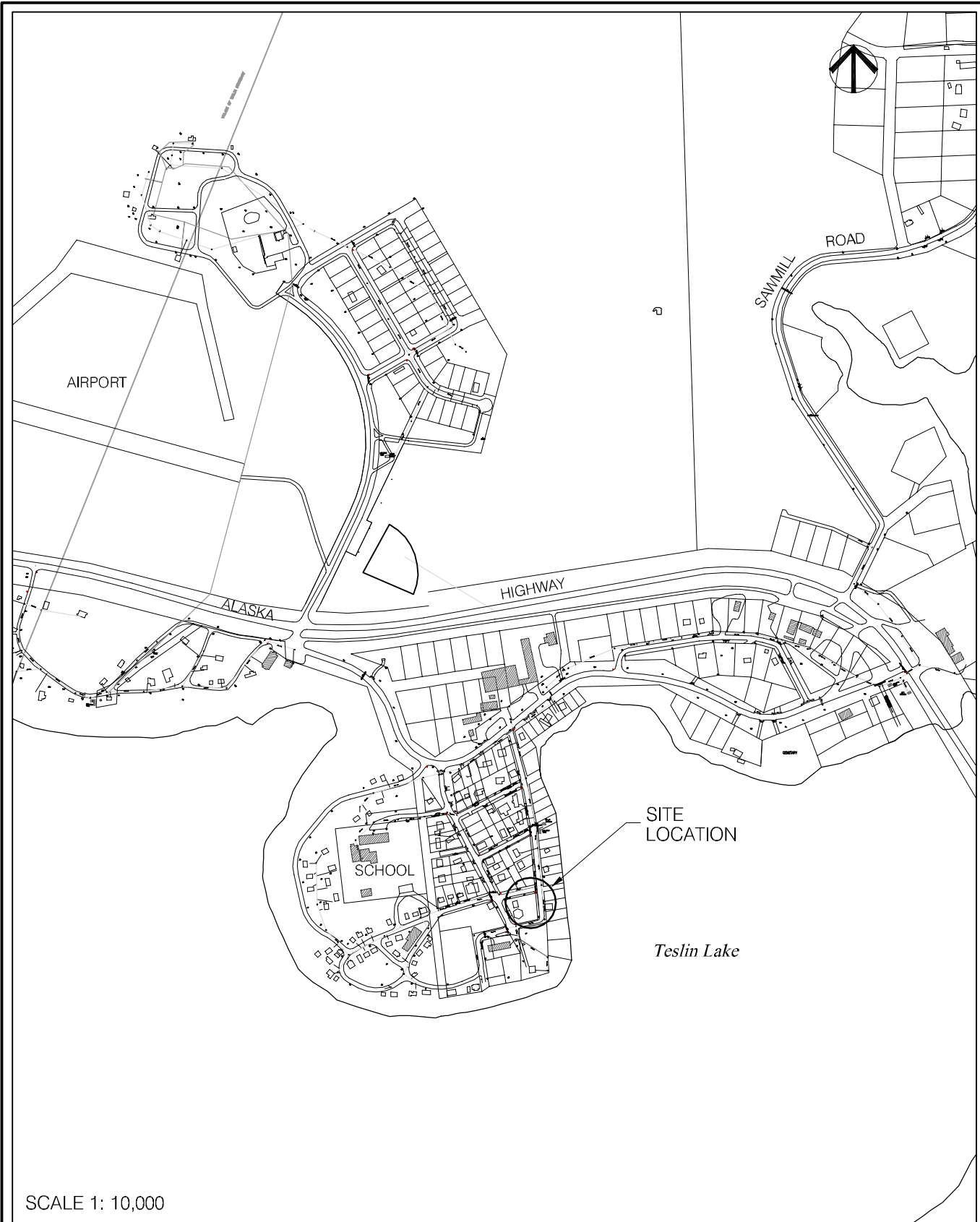
- The cost for the proposed treatment should be in the order of **\$3,700** for all materials and labour.

#### 7.8.2 Priority 2

- Standard wellhead upgrades would cost in the order of **\$5,000** for all materials and labour.

#### 7.8.3 Priority 3

- The cost associated with moving the existing ASTs away from the wellhead would cost in the order of **\$1,000**; and,
- To install a point of entry arsenic removal system would cost in the order of **\$4,000**.



NOTES:  
1. UTM COORDINATES OBTAINED WITH A HAND HELD GPS USING NAD83 SYSTEM AND ARE CONSIDERED TO BE ACCURATE TO 10.0 m, APPROXIMATELY.

30 m RADIUS FROM WATER WELL FOR CONSIDERATION OF PROXIMITY TO POTENTIAL CONTAMINANT SOURCES.

No.	DESCRIPTION	DATE	APPROVED
0	ISSUED FOR CLIENT REVIEW	DD/MM/YY	XXX
	REVISION		

**EBA Engineering Consultants Ltd.**

DESIGNED BY: R. MARTIN  
DRAWN BY: J. BUYCK  
DATE: JULY 2005  
SCALE: AS SHOWN  
PROJECT No.: 1260002.002  
ACAD FILENAME: 002-EASTERN REGION

CLIENT:

**Yukon**  
Highways and Public Works  
Property Management Branch

SMALL PUBLIC WATER SYSTEMS ASSESSMENT  
EASTERN REGION

GOVERNMENT OF YUKON  
HIGHWAYS & PUBLIC WORKS

TESLIN HEALTH CENTRE  
BUILDING # 4951  
SITE LOCATION DIAGRAM  
WELL ID: 4951

REVISION ISSUE  
0

FIGURE No.  
FIGURE 4951-A

# LEGEND



PUMP



PRESSURE GAUGE



GATE VALVE



CHECK VALVE



SOLENOID

#2

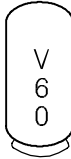
COMPONENT ID. No.  
(SEE TABLE ON FOLLOWING PAGE)



FLOW METER



WATER FILTER  
(CARTRIDGE TYPE)

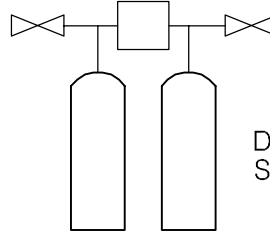


PRESSURE TANK



CL<sub>2</sub>

CHLORINE RESERVOIR AND  
INJECTION PUMP

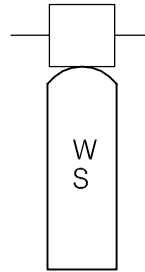


DUPLEX WATER  
SOFTENER



SP

WELL WITH  
SUBMERSIBLE PUMP



ACTIVATED  
CARBON

Z:\0201\Drawings\1260002 - Water Assessment YTG\002 - Eastern Region\1260002\003 Eastern Schematic\_LEGEND.dwg, 4/11/2006 10:31:08 AM, Adobe PDF, jbuyck



**EBA Engineering Consultants Ltd.**

PROJECT SMALL PUBLIC WATER SYSTEMS ASSESSMENT  
EASTERN REGION

CLIENT



TITLE SCHEMATIC SYSTEM  
LEGEND

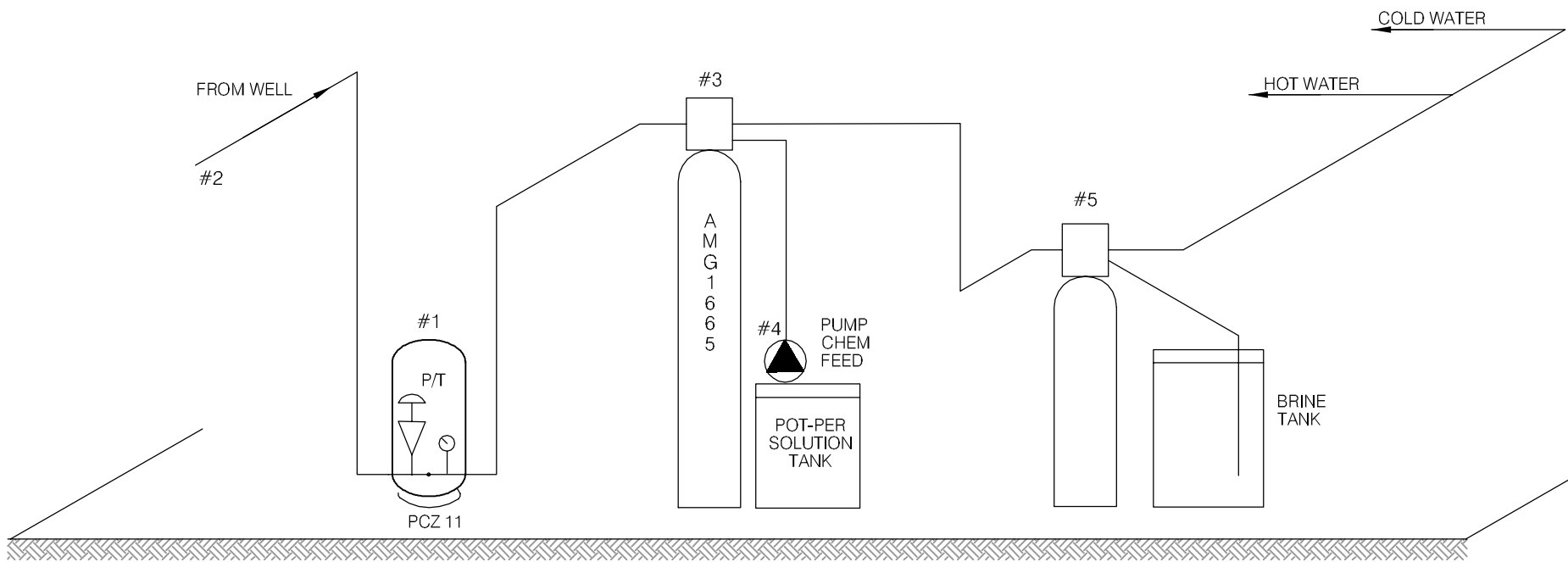
DATE APRIL 2006

DWN. JSB

CHKD. RMM

FILE NO. 1260002

DRWG. LEGEND



SCHEMATIC PRODUCED BY BERT ALBISSER OF AQUA TECH SUPPLIES & SERVICES LTD.



**EBA Engineering Consultants Ltd.**

PROJECT

SMALL PUBLIC WATER SYSTEMS ASSESSMENT  
EASTERN REGION

CLIENT



TITLE

WATER SYSTEM DISTRIBUTION/TREATMENT  
SCHEMATIC SYSTEM ID.: 4951  
TESLIN HEALTH CENTRE

DATE JULY 2005

DWN. JSB

CHKD. RMM

FILE NO. 1260002.002

DWG.: FIGURE 4951-B

**Eastern Region – Health Centre  
Building # 4951**

**DISTRIBUTION & TREATMENT SYSTEM DATA**

Item	Description	Manufacturer	Model	Part No.	Serial No.	Size
1	PRESSURE TANK	CHALLENGER	PL211		21100997	225L
2	SUB. PUMP					4"
3	GREENSAND FILTER	HYDROTECH	AMG-1665		162353	1665
4	CHEM FEED PUMP	PULSATRON	LC038A	VTC1-XXX	000410462	
5	WATER SOFTENER	HYDROTECH	EIS 45-ME	7836-1	174642	10" x 54"
6						
7						
8						
9						
10						

**TABLE 4951- 1: SUMMARY OF BACTERIOLOGICAL RESULTS**

		Number of Sampling Events	Time Period over which Sampling was Done	Any Positive Total Coliform Results? (yes or no)	Fraction of Positive Total Coliform Results vs. Total Sampling Events	Any positive E.Coli results? (yes or no)	Most Recent Sampling Event Available for EBA Review	Is Most Recent Result Positive?
Building #	Building Name							
4951	Health Centre	7	Sept-05 to Mar-05	no	0/7	no	1-Mar-05	no



**Table 4951-2: Water Quality Results**

SOURCE: Building 4951 - Teslin Health Centre		GCDWQ Criteria			
Location/ Resident	Teslin				
Address					
Treatment	Iron Manganese Removal, Harness Removal, Filtration				
Disinfection	No				
Source of Water	On-Site Well				
Purpose of Sampling	Baseline				Additional Sampling
Sample Location		Washroom Tap			
Date Sampled	9-Sep-04	16-Jun-05	Lower	Upper Limit	
Physical Tests (ALS)			AO	MAC	AO
Colour (CU)	<5.0				15
Total Dissolved Solids	<b>865</b>				500
Hardness CaCO3	30.6		AO >200 = poor, > 500 unacceptable <sup>A</sup>		
pH	<b>8.51</b>		6.5		8.5
Turbidity (NTU)	0.3			1	5
UV Absorbance		0.023			
Dissolved Anions (ALS)					
Alkalinity-Total CaCO3	271				
Chloride Cl	2.6				250
Fluoride F	0.17			1.5	
Silicate SiO4		14.9			
Sulphate SO4	264				500
Nitrate Nitrogen N	<0.1			10	
Nitrite Nitrogen N	<0.05			1	
Total Phosphate PO4		0.0702			
Total Metals (ALS)					
Aluminum T-Al	<0.005			0.1	
Antimony T-Sb	<0.0002			0.006	
Arsenic T-As	<b>0.0083</b>	<b>0.0070</b>		0.025	
Barium T-Ba	0.002			1	
Boron T-B	0.032			5	
Cadmium T-Cd	0.00002			0.005	
Chromium T-Cr	0.0008			0.05	
Copper T-Cu	0.002			1	
Iron T-Fe	<0.01				0.3
Lead T-Pb	0.0001			0.01	
Manganese T-Mn	<0.005				0.05
Sodium T-Na	1.5				200
Uranium T-U	<0.0005			0.02	
Vanadium T-V		<0.030			
Zinc T-Zn	0.004				5
Dissolved Metals					
Arsenic D-As		<b>0.0073</b>		0.025	
Organic Parameters					
Tannin and Lignin		<0.50			
Total Organic Carbon C		1.57			
Field Chemistry (EBA)					
pH		<b>8.57</b>	6.5		8.5
TDS (ppm)		<b>650</b>			500
EC (uS/cm)		1300			

**Notes:**

A. Guidelines indicated for hardness are not CDWQG, rather they are general aesthetic guidelines - exceedences are indicated in yellow highlighting.

*Italics* and underline indicates exceedence of proposed MAC (ie. arsenic)

**Bold with Yellow highlighting** indicates exceedence of CDWQG Aesthetic Objective (AO)

**Bold Underline with Yellow highlighting** indicates exceedence of CDWQG MAC

Results are expressed as milligrams per litre except for pH and Colour (CU)

Conductivity (umhos/cm), Temperature (°C) and Turbidity (NTU)

< = Less than the detection limit indicated.

AO = Aesthetic Objective

MAC = Maximum Acceptable Concentration (Health Based)



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## SMALL PUBLIC WATER SYSTEM ASSESSMENT

### PART A: EBA Site Inspection

Inspector: Ryan Martin  
Luke Lebel

Date June 16

WELL ID #	Owner	Location Description
4951	YTG	Teslin Health Centre

### 1. Well Location and Potential Contaminant Sources

a. General location of well: (Community, Subdivision, etc.)

Teslin

b. Specific location: (Road or street, Building number, name of owner and/, legal description,

Teslin Health Centre

c. GPS location: N 6671784 E 626304 ~~EA~~ elv. 697m ± 8m

d. Is there electric power?  Yes  No

e. Is there outside water access?  Yes  No

f. Does the well system have:

15 or more service connections to a piped distribution system? If so how many \_\_\_\_\_

Health Centre only

5 or more delivery sites on a trucked distribution system? If so how many \_\_\_\_\_

g. Nearest building, specify Teslin Health Centre Building

h. Distance from well to building 9m

i. If there is an effluent disposal field, is its location known?  Yes  No

j. Distance from well to nearest point of known field: \_\_\_\_\_

k. Well location relative to field:  upslope  downslope  lateral

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l. Is there any part of a sewage disposal system(s) or other potential sources of pollution that may pose a health and safety risk within 30 m?  Yes  No

Community sewage system

m. Is the well located within 300 m from a sewage lagoon or pit?  Yes  No

n. Is the well located within 120 m from a solid waste site or dump, cemetery?  Yes  No

o. Is the infrastructure protecting the wellhead, pumphouse, storage tank and/or water treatment plant designed and secured to prevent:

Unauthorized access by humans?  Yes  No

Enclosed in locked pit

Entrance by animals?  Yes  No

no evidence, but access is possible

p. Is well site subject to flooding?  Yes  No

q. Is the well site well drained?  Yes  No

r. Is there a buried fuel tank on the property?  Yes  No unlikely

If yes, is it  in use  abandoned

Is the location known?  Yes  No

Distance from the well to known buried tank \_\_\_\_\_

s. Are there any other known contaminant sources on the property?

Yes  No Describe \_\_\_\_\_

If yes, specify the source:  dump  sewage lagoon  cemetery  other

Potential Source 1: AST 1; Distance from well to Potential Source 1: 5m

Potential Source 2: AST 2; Distance from well to Potential Source 2: 9m

Potential Source 3: \_\_\_\_\_; Distance from well to Potential Source 3: \_\_\_\_\_

Potential Source 4: \_\_\_\_\_; Distance from well to Potential Source 4: \_\_\_\_\_

t. Are there other wells on this property?  Yes  No

How many? \_\_\_\_\_  in use  abandoned  require proper sealing

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## 2. Well and Wellhead information:

- \* a. When was well installed? Year \_\_\_\_\_ Month \_\_\_\_\_
- b. Type:  drilled  dug  sand point  other \_\_\_\_\_
- c. Is there a drillers log for the well:  Yes  No
- d. Is there a surface seal to 6 m  Yes  No  unknown  unlikely
- e. Surface casing:  Yes Diameter \_\_\_\_\_  No
- f. Well casing: Diameter 15cm Material:  steel  plastic  concrete
- g. Depth of well: \_\_\_\_\_  measured (if possible)  reported  from log
- h. Static water level below ground: \_\_\_\_\_  
 measured (if possible)  reported  from log  flowing
- i. (If granular) Is the well completed:  open end casing  with a well screen  
 with slotted pipe  unknown other \_\_\_\_\_
- j. (If bedrock) Does the well have a liner?  yes  No  steel  plastic
- k. If there is a well screen: length \_\_\_\_\_ slot size(s) \_\_\_\_\_  
Location of screen: from \_\_\_\_\_ to \_\_\_\_\_ from log reported
- l. Is there a sump below the screen?  Yes  No
- m. Is the well head:  in pumphouse  in pit  pitless adaptor  in a building  
PWF insulated pit  
 in a wooden enclosure other, describe \_\_\_\_\_
- n. If the well head is located in a wooden enclosure,

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- i. Is the well head below grade? describe in detail 0.75 m below grade
- ii. Are there signs of ponding on the enclosure(e.g. water stains, etc.)?  Yes  No
- iii. Is the wellhead enclosed by fiberglass insulations?  Yes  No
- iv. Any evidence of rodents? Specify No evidence, access possible
- v. Does the well casing have a proper seal cap?  Yes  No  
split seal gasket  
If no, describe condition \_\_\_\_\_

### 3. Water Supplying This Well:

- a. By definition is the water from a surface water source or under the direct influence of surface water?  
 Yes  No  farther investigation required.

If yes is there treatment  Yes  No

Explain (filtration, disinfection etc...) Mn screen sand filtration and water softening

### 4. Aquifer Supplying This Well:

- a. The aquifer is:  bedrock  granular sediment  unknown
- b. Does water level and/or well capacity show seasonal fluctuation?  Yes  No unlikely

### 5. Pump Installation:

- a. Is the well equipped with a pump?  yes  No
- b. Type of pump:  hand  electric submersible  jet  
 shallow well centrifugal  other, \_\_\_\_\_
- c. Description: Manufacturer \_\_\_\_\_ Model \_\_\_\_\_  
horsepower \_\_\_\_\_ capacity \_\_\_\_\_ voltage \_\_\_\_\_

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d. Date installed: \_\_\_\_\_ By: \_\_\_\_\_

e. For submersible pump, depth of setting below surface \_\_\_\_\_

f. Drop pipe for submersible pump:  steel  plastic *likely*

g. Pump delivers water to:  pressure tank  elevated tank  other

h. Are there automatic pump controls:  Yes  No

i. Is there provision for taking water samples before water reaches storage?  Yes  No  
*But located up against floor*

j. Is there a water meter on the system?  Yes  No *unknown*

k. Is the pump and piping protected from freezing?  Yes  No

If yes, describe: Heat trace and insulation

l. Comments on pump installation: \_\_\_\_\_  
\_\_\_\_\_

## **6. Conclusions**

a. Comments on overall installation:

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b. Recommendations: \_\_\_\_\_

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## PART B: EBA Site Inspection

Inspector: BERN ALBISSER

Date JUNE 16/05

WELL ID #	Owner	Location Description
<u>4951</u>	<u>YTG</u>	<u>TESLIN HEALTH CENTER</u>

### 6. Water Treatment

a. Is well water treated?  Yes  No; Type of treatment:

chlorination  iron and or manganese removal  other HARDNESS REMOVAL

b. Is water entering plumbing or piped distribution system treated with chlorine or another treatment that is as effective as chlorine used to achieve disinfection throughout the system?

Yes  No If so how \_\_\_\_\_

c. If treated with chlorine, is the free residual chlorine concentration less than 0.2 mg/L

Yes  No \_\_\_\_\_ reading.

Tested at \_\_\_\_\_ (location)

d. Is testing for chlorine residual concentration done at the tap (eg. Kitchen faucet) or from representative points in a piped distribution system, including a point from tap at the end line

Yes  No If yes how often? \_\_\_\_\_

e. If the drinking water is being transported by water delivery truck does it have a minimum chlorine free residual of 0.4 mg/L at the time of fill.  Yes  No

### 7. Water Quality (observations):

a. Does the water stain plumbing?  yes  No  slight  severe

Type of stain:  brown  red  black

b. Does the water contain sediment?  Yes  No  occasional  constant

c. Is there an unpleasant odour?  Yes  No  H<sub>2</sub>S  Other \_\_\_\_\_

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- d. Is there an unpleasant taste?  Yes  No  brackish  Other \_\_\_\_\_
- e. Is there a history of bad bacterial analyses?  Yes  No
- f. Is there a chemical analysis?  Yes  No  adequate  incomplete
- g. Is there analysis of trihalomethanes (THMs) where the water source is a surface water supply or a well under the direct influence of surface water?  Yes  No
- h. Is the drinking water tested daily with an accurate reading chlorine test kit capable of reading in the range 0 to 3.5 mg/L of free chlorine residual in increments of 0.1mg/L?  Yes  No  unknown
- i. If yes is the test performed in accordance with manufactures directions?  Yes  No  unknown
- j. Is a record of the date, time, name of person performing the test and results of the drinking water sample kept?  Yes  No

## **TANK AND PIPING DETAILS**

### ***Tank Room***

Is there a water tank?  Yes  No Details: \_\_\_\_\_

Where is it located? \_\_\_\_\_

Comments: PRESSURE TANK.

Is the room in which the water tank is located heated to maintain an optimum temperature of 4°C for stored water?

YES  NO

Comments: \_\_\_\_\_

Are there windows in the add-on that may allow direct sunlight onto the water holding tank? YES

NO

Comments: \_\_\_\_\_

Are there other heat sources near the tank? YES NO

Comments: \_\_\_\_\_

Is there waterproof flooring with a sealed base to contain spills? YES NO

Comments: \_\_\_\_\_

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## ***Overall Tank***

What are the tank size and dimensions?

\_\_\_\_\_

What material is the tank constructed of? \_\_\_\_\_

Is tank and associated piping constructed of safe materials (i.e. CSA approved and material that does not affect the taste of the water)? YES NO

Comments: \_\_\_\_\_

## ***Tank Inlet, Outlet and Lid***

Is there adequate access on the tank for cleaning (i.e. min 15" access lid)? YES NO

Does the lid have a tight seal and is it watertight when closed? YES NO

Does the tank have an overflow or high level whistle? YES NO

Is the water tank drain accessible? YES NO

## **WATER TANK AND WATER QUALITY CONDITION**

Are there signs of staining or biofouling? YES NO

Comments: \_\_\_\_\_

Is there any sediment or scum in bottom of tank? YES NO

Comments: \_\_\_\_\_

Is there any odour associated with the water or tank? YES NO

Have there been any bacteriological analyses conducted previously? YES NO

Does the tank appear that it has been cleaned recently? YES NO

Are the tanks easily assessed for the purpose of cleaning and disinfection? YES NO

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## 8. Conclusions

a. Comments on overall installation:

THIS IS A GOOD QUALITY INSTALLATION  
IN EQUIPMENT AND WORKMANSHIP

b. Recommendations:

AS THE WEW HAS NO SURFACE SWAL  
THE COMPLETE SYSTEM SHOULD BE  
SHOCK CHLORINATED AND AN APPROPRIATE  
UV SYSTEM SHOULD BE INSTALLED.



## Spill Report Information

<b>Spill #</b>	0104
<b>Jurisdiction</b>	Yukon
<b>Community</b>	Teslin
<b>Address</b>	Jackson Ave
<b>Highway</b>	
<b>Milepost</b>	
<b>Feature</b>	Teslin
<b>Location and Cause</b>	Teslin septic tank - mechanical failure of auto dialer alarm - sewage spill
<b>Latitude</b>	60.16491
<b>Longitude</b>	-132.72162
<b>Incident Date</b>	1/7/2001
<b>Lead Agency</b>	Department of Indian Affairs and Northern Development
<b>Other Agency</b>	
<b>Company(s)</b>	Village of Teslin
<b>Amount</b>	800
<b>Units</b>	Litres
<b>Quantity</b>	Estimate
<b>Release Description</b>	Spilled
<b>Additional Quantitit</b>	
<b>Concentration</b>	
<b>Concentration Unit</b>	
<b>Phase</b>	Liquid
<b>Major Contaminant</b>	Raw Sewage
<b>2nd Contaminant</b>	
<b>3rd Contaminant</b>	
<b>4th Contaminant</b>	
<b>Outcome</b>	spill migrated to shoreline of Teslin Lake but was contained in snow and ice - contaminated snow removed and bleach used as disinfectant - clean-up was completed



## Spill Report Information

<b>Spill #</b>	0333
<b>Jurisdiction</b>	Yukon
<b>Community</b>	Teslin
<b>Address</b>	Jackson Ave
<b>Highway</b>	
<b>Milepost</b>	
<b>Feature</b>	Teslin
<b>Location and Cause</b>	spill at Lift Station #2 - due possibly to faulty truck guage - cause to be determined
<b>Latitude</b>	60.16491
<b>Longitude</b>	-132.72162
<b>Incident Date</b>	9/23/2003 11:00:00 AM
<b>Lead Agency</b>	
<b>Other Agency</b>	
<b>Company(s)</b>	Village of Teslin
<b>Amount</b>	100
<b>Units</b>	Litres
<b>Quantity</b>	Estimate
<b>Release Description</b>	Spilled
<b>Additional Quantitit</b>	
<b>Concentration</b>	
<b>Concentration Unit</b>	
<b>Phase</b>	Liquid
<b>Major Contaminant</b>	Raw Sewage
<b>2nd Contaminant</b>	
<b>3rd Contaminant</b>	
<b>4th Contaminant</b>	
<b>Outcome</b>	contaminated soil removed and replaced with clean crush - industrial bleach applied to contaminated area - lead agency to be determined - no further info on file



## Spill Report Information

<b>Spill #</b>	0340
<b>Jurisdiction</b>	Yukon
<b>Community</b>	Teslin
<b>Address</b>	Jackson Ave
<b>Highway</b>	
<b>Milepost</b>	
<b>Feature</b>	Teslin
<b>Location and Cause</b>	Lift Station #2 (Jackson Ave) - spill due to non-secured coupling device
<b>Latitude</b>	60.16491
<b>Longitude</b>	-132.72162
<b>Incident Date</b>	11/27/2003 2:30:00 PM
<b>Lead Agency</b>	Yukon Government - Water Inspections
<b>Other Agency</b>	
<b>Company(s)</b>	Village of Teslin
<b>Amount</b>	80
<b>Units</b>	Litres
<b>Quantity</b>	Estimate
<b>Release Description</b>	Spilled
<b>Additional Quantitit</b>	
<b>Concentration</b>	
<b>Concentration Unit</b>	
<b>Phase</b>	Liquid
<b>Major Contaminant</b>	Raw Sewage
<b>2nd Contaminant</b>	
<b>3rd Contaminant</b>	
<b>4th Contaminant</b>	
<b>Outcome</b>	driver of truck bleached area - contaminated area being cleaned up and material removed to landfill - copy of letter from Village of Teslin to YT Water Board on file



## Spill Report Information

<b>Spill #</b>	8706
<b>Jurisdiction</b>	Yukon
<b>Community</b>	Teslin
<b>Address</b>	Jackson Ave
<b>Highway</b>	
<b>Milepost</b>	
<b>Feature</b>	Teslin
<b>Location and Cause</b>	Jackson Ave pump station - truck overturned in avoiding oncoming traffic
<b>Latitude</b>	60.16491
<b>Longitude</b>	-132.72162
<b>Incident Date</b>	3/17/1987 2:10:00 PM
<b>Lead Agency</b>	Federal Government - other
<b>Other Agency</b>	Environment Canada - Environmental Protection Service
<b>Company(s)</b>	Walter Geddes
<b>Amount</b>	4500
<b>Units</b>	Litres
<b>Quantity</b>	Estimate
<b>Release Description</b>	Spilled
<b>Additional Quantitit</b>	
<b>Concentration</b>	
<b>Concentration Unit</b>	
<b>Phase</b>	Liquid
<b>Major Contaminant</b>	Raw Sewage
<b>2nd Contaminant</b>	
<b>3rd Contaminant</b>	
<b>4th Contaminant</b>	
<b>Outcome</b>	no specific environmental concerns - possiblity of contamination of 1 or 2 near-by water wells - contained in snow berm - removed to sewage lagoon



**Photo 0217:** 4951 Wellhead enclosure (front), doubled walled enviro tank above ground fuel storage tank (back left), existing above ground storage tank with secondary containment tub (back centre), and Teslin Health Centre (back right).



**Photo 0216:** 4951 Wellhead in pit



**Photo 0026:** 4951 Water softener (left), greensand filter (centre), and brine tank (right)



**Photo 0028:** 4951 Pressure tank