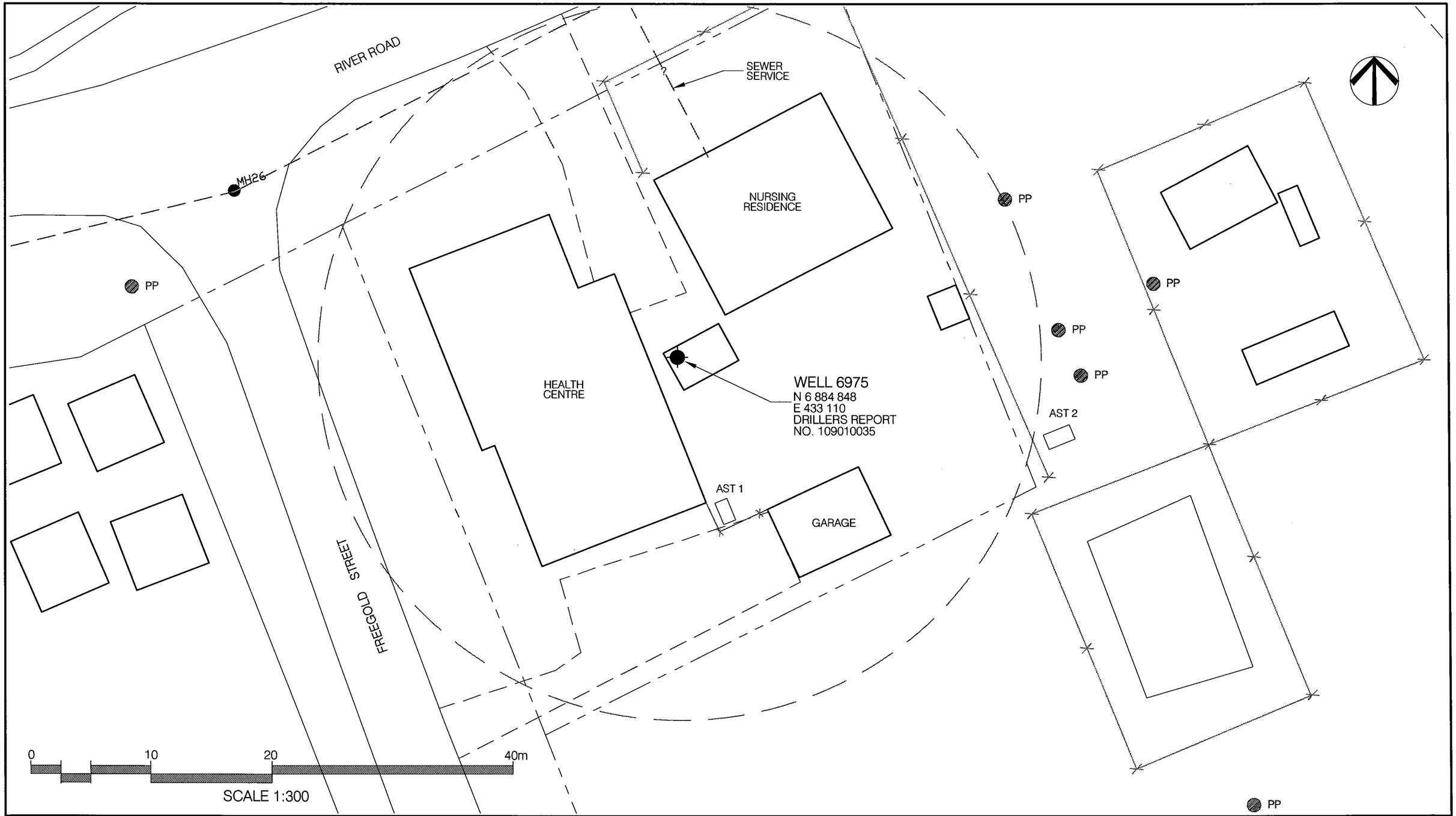


NOTES:

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:	JUNE 2005
SCALE:	AS SHOWN
PROJECT No.:	1260002.001
ACAD FILENAME:	001–WHITEHORSE REGION

CLIENT: Yukon
Highways and Public Works
Property Management Branch

SMALL PUBLIC WATER SYSTEMS ASSESSMENT
WHITEHORSE REGION

GOVERNMENT OF YUKON
HIGHWAYS & PUBLIC WORKS

CARMACKS HEALTH CENTRE
BUILDING 6975
SITE LOCATION DIAGRAM
WELL ID: 6975

REVISION ISSUE: 0

DRAWING No.: FIGURE 6975A

Z:\0201Drawings\1260002 Water Assessment YTG\001 - Whitehorse Region\carmacks\1260002 Carmacks Overall Plan.dwg, 6/13/2005 9:29:50 AM, \\whi-eb-dc001\WHI201COMMON

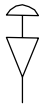
LEGEND


PUMP

PRESSURE GAUGE


GATE VALVE


CHECK VALVE

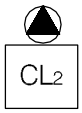

SOLENOID

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

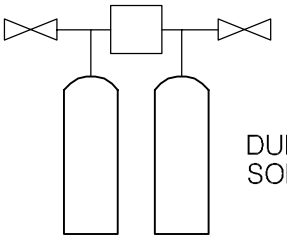
FLOW METER

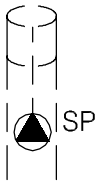
WATER FILTER
(CARTRIDGE TYPE)

PRESSURE TANK

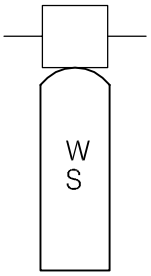


CHLORINE RESERVOIR AND
INJECTION PUMP


DUPLEX WATER
SOFTENER

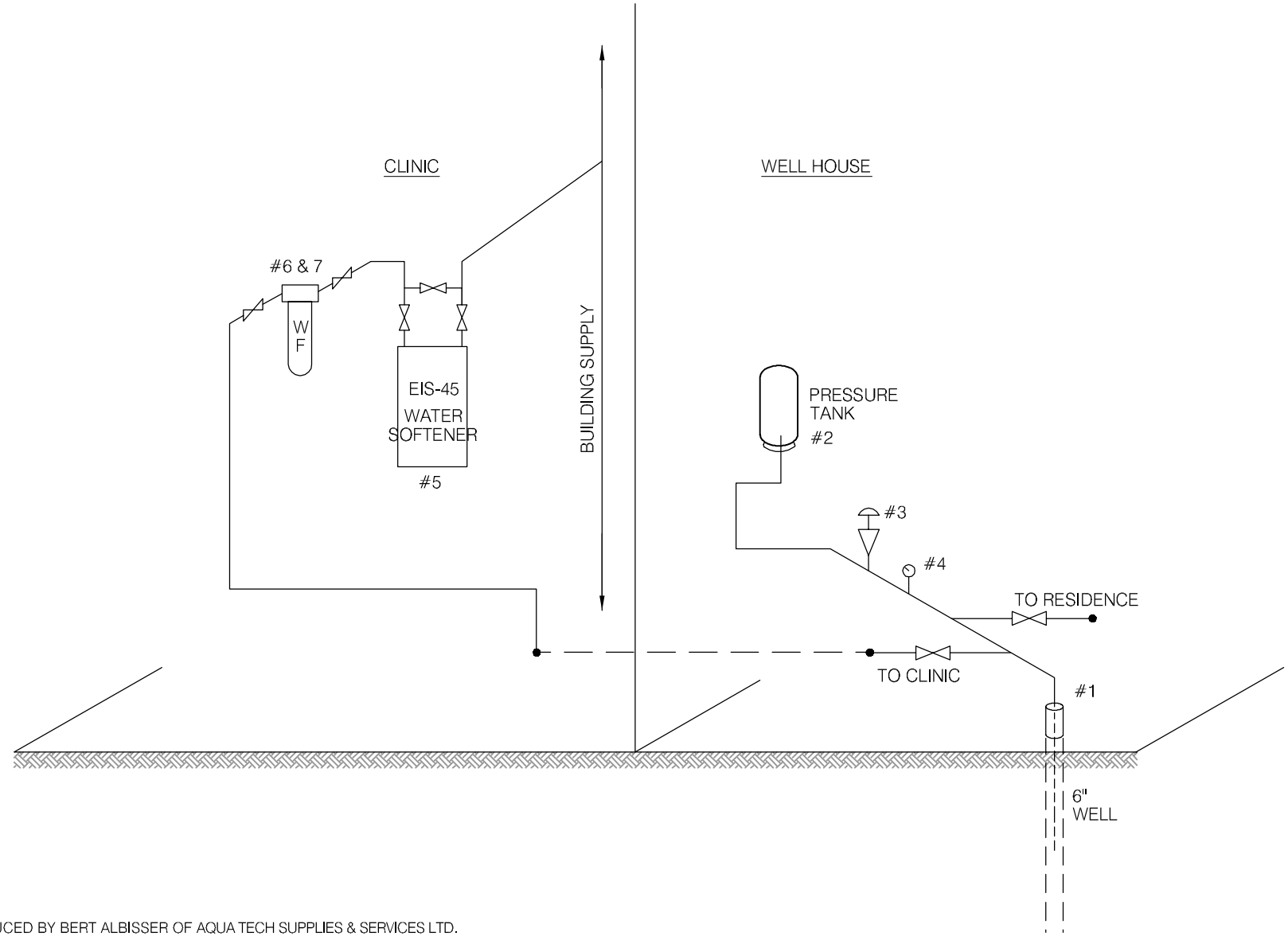


WELL WITH
SUBMERSIBLE PUMP



ACTIVATED
CARBON

EBA Engineering Consultants Ltd.			PROJECT	SMALL PUBLIC WATER SYSTEMS ASSESSMENT WHITEHORSE REGION	
CLIENT Yukon Highways and Public Works Property Management Branch			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 WHITEHORSE REGION	
CLIENT Yukon Highways and Public Works Property Management Branch			TITLE	WATER SYSTEM DISTRIBUTION/TREATMENT SCHEMATIC SYSTEM ID.: 6975 CARMACKS HEALTH CENTRE	
DATE APRIL 2006	DWN. JSB	CHKD. RMM	FILE NO. 1260002.001		DWG.: FIGURE 6975B

Z:\0201Drawings\1260002 Water Assessment YTG\001 - Whitehorse Region\carmacks\Schematics\1260002 Health Centre 6975 Schematic.dwg, 4/6/2006 10:31:21 AM, Adobe PDF, jbuyck

Whitehorse Region – Health Centre
Building # ~~6875~~ 6975

DISTRIBUTION & TREATMENT SYSTEM DATA

Item	Description	Manufacturer	Model	Part No.	Serial No.	Size
1	SUB. PUMP	MONARCH	16C1SEX		828	4" - 1½ HP.
2	PRESSURE TANK	CHALLENGER	PC 244			307 l
3	PRESSURE SWITCH	SQ. D	FSG-2			¼ FIPT x 2 HP
4	PRESSURE GAUGE	MARSH	0-100			¼" FIPT.
5	WATER SOFTENER	WATERTECH	E1S45 MI			45000 GRAIN
6	PRE FILTER	AMETEK.	1" BIG BLUE			4"x10"
7	FILTER CART	PLYMOUTH	51-BB			20 MICRON
8						
9						
10						

TABLE 6975 - 1: SUMMARY OF BACTERIOLOGICAL RESULTS

Building #	Building Name	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?
6975	Health Centre	2	Apr-05 to May-05	no	0/2	no	May 05	no

Table 6975-2: Water Quality Results

SOURCE:	Building 6975 A - Carmacks Health Centre		Building 6975 B - Carmacks Nursing Residence		GCDWQ Criteria		
Location/ Resident	Carmacks		Carmacks				
Address	Lot 123		Lot 123				
Treatment	Filter and Softener		UV System				
Source of Water	On-Site Well (shares with 6975 B)		On-Site Well (shares with 6975 A)				
Purpose of Sampling	Baseline	Additional Sampling	Baseline	Additional Sampling			
Sample Location		Kitchen Tap		Laundry Sink Tap			
Date Sampled	5-Oct-04	12-May-05		12-May-05	**Lower Limit**	**Upper Limit**	
Physical Tests *(ALS)*					**AO**	**MAC**	**AO**
Colour (CU)	<3						15
Conductivity (uS/cm)	612						
Total Dissolved Solids	365						500
Hardness CaCO3	<1				AO >200 = poor, > 500 unacceptable [A]		
pH	8.1				6.5		8.5
Turbidity (NTU)	0.15					1	5
UV Absorbance		<0.0010		<0.0010			
Dissolved Anions *(ALS)*							
Alkalinity-Total CaCO3	231						
Chloride Cl	5						250
Fluoride F	0.2					1.5	
Sulphate SO4	24.8						500
Nitrate Nitrogen N	<0.1					10	
Nitrite Nitrogen N	<0.05					1	
Ammonia Nitrogen N							
Total Metals *(ALS)*							
Aluminum T-Al	<0.02					0.1	
Antimony T-Sb	0.0007					0.006	
Arsenic T-As	0.0031					0.025	
Barium T-Ba	0.0002					1	
Boron T-B	<0.02					5	
Cadmium T-Cd	<0.0002					0.005	
Calcium T-Ca	<0.5						
Chromium T-Cr	0.001					0.05	
Copper T-Cu	<0.001					1	
Iron T-Fe	0.009						0.3
Lead T-Pb	0.0002					0.01	
Magnesium T-Mg	<0.1						
Manganese T-Mn	0.001						0.05
Mercury T-Hg	<0.0002					0.001	
Potassium T-K	212						
Selenium T-Se	<0.0004					0.01	
Sodium T-Na	<1						200
Uranium T-U	0.001					0.02	
Zinc T-Zn	<0.004						5
Polycyclic Aromatic Hydrocarbons							
Acenaphthene		<0.000050					
Acenaphthylene		<0.000050					
Acridine		<0.000050					
Anthracene		<0.000050					
Benz(a)anthracene		<0.000050					
Benzo(a)pyrene		<0.000010					
Benzo(b)fluoranthene		<0.000050					
Benzo(g,h,i)perylene		<0.000050					
Benzo(k)fluoranthene		<0.000050					
Chrysene		<0.000050					
Dibenz(a,h)anthracene		<0.000050					
Fluoranthene		<0.000050					
Fluorene		<0.000050					
Indeno(1,2,3-c,d)pyrene		<0.000050					
Naphthalene		<0.000050					
Phenanthrene		<0.000050					
Pyrene		<0.000050					
Quinoline		<0.000050					
Extractable Hydrocarbons							
EPH10-19		<0.30					
EPH19-32		<1.0					
LEPH		<0.30					
HEPH		<1.0					
Field Chemistry (EBA)							
pH		8.05		7.90	6.5		8.5
TDS		291		225			500
EC (uS/cm)		571		444			
Temperature		15.0		8.5			
Free Available Chlorine							250

Notes:

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

Shading indicates exceedence of Proposed MAC guideline (arsenic).

Bold Underline with Yellow shading 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)

Table 6975-3: Summary of Well Assessment Results
SMALL PUBLIC DRINKING WATER SYSTEMS

Well Identification and Location					
Building #	**Building Name**	**Location**	**Northing (+/- 10 m)**	**Easting (+/- 10 m)**	**Grade Elevation (+/- 10 m)**
6975	**Health Centre**	**Carmacks**	6884848	433110	528

Well Details							
Well Casing Diameter (mm)	**Year Well Installed**	**Well Log?**	**Well Depth (m bg)**	**Reported Low Permeabilty Protective Layer?**	**Pump Setting (m bg)**	**Well Capacity - Tested, or Reported by User**	**Static Water Level Below Ground (m-btwc)**
150	?	Incomplete	17.68	No, shallow well	?	1 1/2hp submersible pump Size of pump meets needs	?

Well Construction Details				
Wellhead Above ground (m)	**Well Cap**	**Well Screen**	**Surface Seal**	**Apron Grading**
0.06 above grade	Split Cap Gasket	?	Unlikely	Inside building

Table 6975-4: Potential Contaminant Sources
Building 6975 – Carmacks Health Centre

Potential Contaminant Source	Potential Contaminants	Distance from Water Source	Northing	Easting
Dump or Landfill	***Organic*** and inorganic chemicals.	1500 m		
Cemetery	***Biological***[1]***,*** inorganic[2] and organic parameters.	600 m up-gradient		
Sewage lagoon	***Biological,*** inorganic and organic parameters.	>300 m		
Sewage lines, tanks and lift stations	***Biological,*** inorganic and organic parameters.	Unknown		
Septic fields	***Biological and Inorganic*** parameters.	>150 m		
Gas stations	***Organic and Inorganic*** parameters.	50 m		
Undergrounds Fuel Storage Tanks (USTs)	***Organic*** parameters.	>30 m		
Above ground storage tanks (ASTs)	***Organic*** *parameters.*	**11 m and 50 m**	6884883	433115
Naturally occurring sources of contamination	***Radionuclides, Bacteria and Viruses from surfacewater sources.***	50 m		

Notes: ***Bold highlighting of distances indicates non-compliance with proposed guidelines***

1- Biological parameters include: bacteria, viruses, protozoa (parasitic organisms), helminthes (intestinal worms), and bio aerosols (inhalable moulds and fungi).

2 – Inorganic contaminants could include arsenic in embalming chemicals (prior to early 1900's), and heavy metals in caskets.

Required Setback Distances Draft Guidelines for Part III – Small Public Drinking Water Systems:

300 m (1,000 ft) from a sewage lagoon or pit and manure heaps
120 m (400 ft) from a solid waste dump or a cemetery
30 m (100 ft) from any other potential source of contamination

EBA Engineering Consultants Ltd.

Creating and Delivering Better Solutions

*Incomplete Log

SMALL PUBLIC WATER SYSTEM ASSESSMENT

PART A: EBA Site Inspection

Inspector: Ryan Martin. Luke Lebel Date May 12, 2005

WELL ID #	Owner	Location Description
6975 (possibly 6977)	YTG	Carmacks Health Center -

1. Well Location and Potential Contaminant Sources

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

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

c. GPS location: 0423110 Easting 6884848 Northing 528m elevation ±3m

d Is there electric power? ☒ Yes ☐ No

e. Does the well system have:

☐ 15 or more service connections to a piped distribution system ? If so how many_____
Health Center and nearby residence

☐ 5 or more delivery sites on a trucked distribution system? If so how many_____

f. Nearest building, specify Health Center

g. Distance from well to building ~4m

h. If there is an effluent disposal field, is its location known? ☐ Yes ☒ No no evidence of any septic field within local area. → piped sewer system w/ lines <30m

i. Distance from well to nearest point of known field:

j. Well location relative to field: ☐ upslope ☐ downslope ☐ lateral

k. 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

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

m. Is the well located within 120 m from a solid waste site or dump, cemetery? ☐ Yes ☒ No
solid waste dump ~ 1km away

n. 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 locked door; inside building

Entrance by animals? ☒ Yes ☐ No no apparent evidence of any animals

o. Is well site subject to flooding? ☐ Yes ☒ No

p. Is the well site well drained? ☒ Yes ☐ No

q. Is there a buried fuel tank on the property? ☐ Yes ☒ No unlikely
There is, however, a buried fuel line that has leaked hydrocarbons and contaminated the soil ~6m from the well * See report - contaminated soil was relocated
If yes, is it ☐ in use ☐ abandoned

Is the location known? ☐ Yes ☐ No

Distance from the well to known buried tank _____

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

☒ Yes ☐ No Describe _____

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

4331156886483 ±9m 535m

Potential Source 1: AST 1 ; Distance from well to Potential Source 1: ~11m

Potential Source 2: AST 2 (large diesel fuel tank) ; Distance from well to Potential Source 2: ~50m

Potential Source 3: River ; Distance from well to Potential Source 3: ~50m

Potential Source 4: hydrocarbon spill. Electric generator ~2m within same building ; Distance from well to Potential Source 4: ~6m

s. Are there other wells on this property? ☐ Yes ☒ No unlikely

How many? _____ ☐ in use ☐ abandoned ☐ require proper sealing

There was a leak from the AST in the line running to the station some soil contamination

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 5m x 2.5m ☐ No
The well is located within a utility building

f. Well casing: Diameter 15 cm Material: ☒ steel ☐ plastic ☐ concrete
and rope(?). Split casing. There is an open hole for heat trace

g. Depth of well: 17.68m ☐ 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 unlikely

m. Is the well head: ☒ in pumphouse ☐ in pit ☐ pitless adaptor ☒ in a building
shares with pressure tank and back up electric generator. Utility building is heated and insulated

☐ in a wooden enclosure other, describe _____

n. If the well head is located in a wooden enclosure,

i. Is the well head below grade? describe in detail no, it is 6cm above grade

ii. Are there signs of ponding on the enclosure(e.g. water stains, etc.)? ☐ Yes ☒ No
well area seems very clean

iii. Is the wellhead enclosed by fiberglass insulations? ☐ Yes ☐ No
The wellhead is within a heated, insulated building

iv. Any evidence of rodents? Specify no evidence of rodents

v. Does the well casing have a proper seal cap? ☒ Yes ☐ No

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.
There was a hydrocarbon spill ~6m away - has been remediate d

If yes is there treatment ☒ Yes ☐ No

Explain (filtration, disinfection etc...) water softener

---

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

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 _____

d. Date installed: _____ By: _____

e. For submersible pump, depth of setting below surface _____

f. Drop pipe for submersible pump: ☒ steel ☐ plastic

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
Tap in building, on line to pressure tank

j. Is there a water meter on the system? ☐ Yes ☒ No

k. Is the pump and piping protected from freezing? ☒ Yes ☐ No
The well is located within a heated, insulated building. There is heat trace on all piping and down to pump
If yes, describe: _____

l. Comments on pump installation: _____

_____

6. Conclusions

a. Comments on overall installation:

_____

_____

_____

_____

_____

_____

_____

b.Recommendations: _____

_____

_____

_____

_____

_____

_____

_____

PART B: EBA Site Inspection

Inspector: _____ Date _____

WELL ID #	Owner	Location Description
6975	YTG	CALMACKS HEALTH CENTRE RESIDENCE

6. Water Treatment

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

☐ chlorination ☐ iron and or manganese removal ☑ other UV

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_2S ☐ Other _____

d. Is there an unpleasant taste? ☑ Yes ☐ No ☐ brackish ☐ Other _____

e. Is there a history of bad bacterial analyses? ☐ Yes ☐ No UNKNOWN

f. Is there a chemical analysis? ☐ Yes ☐ No ☐ adequate ☐ incomplete UNKNOW

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: _____

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: _____

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

8. Conclusions

a. Comments on overall installation:

UV SYSTEM INSTALLATION REQUIRES ATTENTION. THE TWO UV REACTORS DO NOT HAVE FLOW RESTRICTORS INSTALLED TO ASSURE FULL UV EXPOSURE, NO UV MONITOR IS PRESENT TO MEASURE UV STRENGHT. THE PIPING FEEDING THE REACTORS PROMOTES UNEVEN FLOW DISTRIBUTION AGGRAVATING THE ABOVE PROBLEM.

b. Recommendations:

RENEW THE PIPING SYSTEM. INSTALL ONE FILTER SYSTEM TO HANDLE THE FULL FLOW. INSTALL UV MONITORS ON BOTH REACTORS ALONG WITH THE APPROPRIATE FLOW RESTRICTORS.
INSTALL PRETREATMENT IF REQUIRED
THIS SYSTEM IS AN ACCIDENT WAITING TO HAPPEN.

Carmacks Health Centre

Driller's Report 109010035

Location: Nursing Station Well Lot 124 CRMK

NAD 83 **Zone** 8 **Easting** 433111.13 **Northing** 6884897.0 **Elevation ASL** 1 m.

Location Accuracy: **Horizontal** 30-100 (topo) **Vertical** unknown or unreliable

Purpose of well: Commercial - not fabrication or manufacturing

Permafrost encountered? No

LOG OF OVERBURDEN AND BEDROCK MATERIALS

Layer	From	To		General Colour	Most Common Material	Secondary Material	General Description
1	0	1.22	m.		SAND and gravel		
2	1.22	2.13	m.		fine SAND		
3	2.13	17.68	m.		TILL		

WELL CONSTRUCTION

Well No. 1090100351 **Completion date** **Drilling method** **Well type**

Casing: **OS Diameter** mm. **Material** **Wall thickness** mm. **Depth to** m.

Comments

Surface/Env'l seal: **Material** **Diameter** mm. **Depth from** **to** m. **Volume** cu. m.

Gravel Pack ? ☐ **Material** **Diameter** mm. **Depth from** **to**

Well Screen Information

OS Diameter	Material	Screen Type	Comments

Screen Sections

Section	From	to	Slot size/ perforation diameter
1			

WELL DEVELOPMENT AND STATUS

Well ID	Developed by	Wellhead completion	Adapter depth	Static water level	Yield Estimate	Estimate method
1090100351			m.	m.	Lps	

Final Status New, in use for intended purpose

No

GROUNDWATER QUALITY

Well No. 1090100351 **Field Measurement Date** 10-Dec-02

Electrical Conductivity 605 µS

pH 7.58

Temperature 6.45 °C

Groundwater Type

Turbidity/sand content

Well disinfection

Was the well disinfected on completion of pump installation? ☐

Bacterial testing done? ☐ **Lab** **Date**

Chemical testing done? ☐ **Lab** **Date**

Photo 0137: 6975 Health Center (right), Wellhouse (center) and Nursing Residence (left)

Photo 0002: 6975 Wellhead

Photo 0138: 6975 Above Ground Fuel Storage Tank and Hydrocarbon Spill Site

Photo 0139: Substation and Above Ground Fuel Storage Tank (back)

Photo 0142: 6975 Health Center Water Treatment System

Photo 0143: 6975 Nursing Residence Water Treatment System

Photo 0141: 6975 Pressure Tank (right) and Backup Electrical Generator

Photo 0001: 6975 Pump Control Box