

March 18, 2019

**St Marys Cement
Bonis Quarry Project Licence Application
Voluntary Water Well Survey**

Dear Resident:

On behalf of St Marys Cement, environmental consultant Golder Associates Ltd. (Golder) is planning to conduct a voluntary survey of water wells located within one kilometre of the proposed Thomas St. Quarry Extension Project (see attached figure). The Thomas St. Quarry Extension Project is a westward expansion of the adjacent Thomas St. Quarry. The water well survey is being conducted in preparation for a future St Marys Cement application for a Category 2, Class A Quarry Below Water licence under the Aggregate Resources Act (ARA).

With this letter, St Marys Cement is requesting your agreement to participate in the water well survey, which would include asking you a number of short questions about your water well. As part of the survey, and subject to your consent, a technician from Golder would also like to briefly view the external condition of your well and GPS its location.

We anticipate conducting the water well survey on April 2, 2019, and April 9, 2019, between the hours of 9:00 am and 6:00 pm. If you have a preferred time for this visit on either of those days, or any questions or concerns regarding the well survey please contact Golder Geoscientist Alexandra Smofsky at 905-567-4444 ext. 1298.

This package also includes a consent form and a questionnaire that will comprise the survey Golder would be essentially going over with you face to face. Should you not be home during the survey times provided, we kindly request that you complete the questionnaire to the best of your knowledge and mail it back to us with the post-paid envelope enclosed.

St Marys Cement would like to thank you for your time and your consideration of participation in this water well survey. If you have any questions related to St Marys Cement proposed future application, please do not hesitate to reach out to the undersigned.

Yours truly,

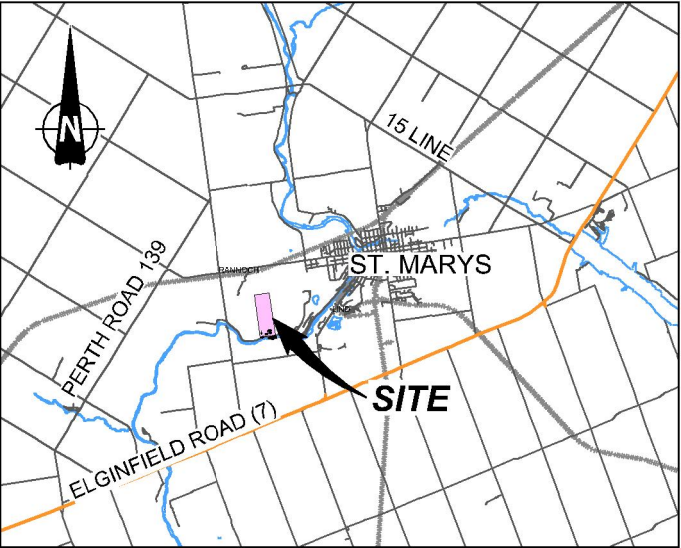


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Client: Vorontim Cimentos
Drawing file: 1781508-8000-L01001.dwg
Mar 19, 2019 - 3:31pm
25mm
Original Format is Tabloid 279mm x 432mm



KEY PLAN

LEGEND

- APPROXIMATE SITE BOUNDARY
- 1km BUFFER FROM SITE BOUNDARY

REFERENCE

DRAWING BASED ON BING IMAGERY AS OF JULY 5, 2017 (IMAGE DATE UNKNOWN);
ARCH 2010 SURVEY OF THOMAS ST. QUARRY BY AGM, FILE NAME SM0906T1C3D.DWG, DATED MARCH 2010.
BASE MAP FROM ST. MARYS CEMENT INC.; AND

NOTES

THIS DRAWING IS SCHEMATIC ONLY AND IS TO BE READ IN CONJUNCTION WITH ACCOMPANYING TEXT.
BING IMAGERY USED FOR ILLUSTRATION PURPOSES ONLY AND NOT TO BE USED FOR MEASUREMENTS.
ALL LOCATIONS ARE APPROXIMATE.



PROJECT		THOMAS STREET QUARRY EXTENSION	
TITLE		SITE PLAN	
	PROJECT No.	1781508	FILE No. 1781508-8000-L01001
	CADD	DCH/ZJB	Mar 19/19
	CHECK		
		SCALE	AS SHOWN
		REV.	
FIGURE 1			

**St. Marys Cement
Bonis Quarry Project Licence Application
Voluntary Water Well Survey**

CONSENT TO PARTICIPATE IN WATER WELL SURVEY

I, _____, at
(Name of Resident – Please Print)

(Address)

(Contact Details)

Agree to:

- | | | | |
|----|--|---------------------|----|
| 1) | Participate in the water well survey and answer
a number of questions regarding my well | Yes | No |
| | | (please circle one) | |

(Signature of Resident)

(Date)

Water Well Reconnaissance Survey

Owner of Well:

Name: _____ Telephone (Bus.): _____

Address: _____ Telephone (Home): _____

Person Interviewed: _____ Date: _____

Interviewed By: _____ Time: _____

Occupant of House Served by Well: (if other than owner)

Name: _____ Telephone (Bus.): _____

Address: _____ Telephone (Home): _____

Well Construction Details:

Date Constructed: _____ Use: _____

Contractor: _____ Type (drilled or dug): _____

Diameter: _____ Well Depth: _____

Is well accessible for direct sampling? Or buried? _____

Screen: Yes / No If yes, length: _____m Depth of top of screen: _____m

Well Water Levels: (indicate whether measured from ground level or from top of casing)

Original water level depth: _____m

Subsequent water level measurements (give depths in metres and dates): _____

Pumping Equipment:

Pump type: suction lift / positive submergence / other Age: _____

Depth of intake setting: _____m Pumping rate: _____ L/s

Storage tank type: _____ Capacity: _____

Do you have a: Chlorinator: Yes / No Water Softener: Yes / No Water Filter: Yes / No

Water Use: Domestic: Yes / No Number of people using water from well: _____

Pool: Yes / No Lawn watering: Yes / No

Other uses: _____

Private Waste and Water Disposal Type (septic, etc.): _____

Distance to well: _____ m Well is: uphill / downhill / same grade

Previous Problems:

How long have you owned, operated or lived on this property? _____

Have you ever experienced any previous problems with your well? _____

If so, when? _____

What was the cause of the previous problem? Drought: _____ Pump Failure: _____

Increased Usage: _____ Interference: _____ Contamination: _____

If problem was contamination, what water quality changes were apparent? (note any differences in taste, odour, colour or clarity) _____

What action was taken to overcome the problem? _____

What were the effects of this problem? _____

Did you ever have your well:	deepened	yes / no
	or cleaned	yes / no
	or a new well constructed	yes / no

If so, why? _____

Outline briefly any previous repairs or changes in pumping equipment and dates:

Water Sample:

Sample taken: yes / no

Sample Number: _____

Number of bottles: _____

Field Analysis: pH: _____

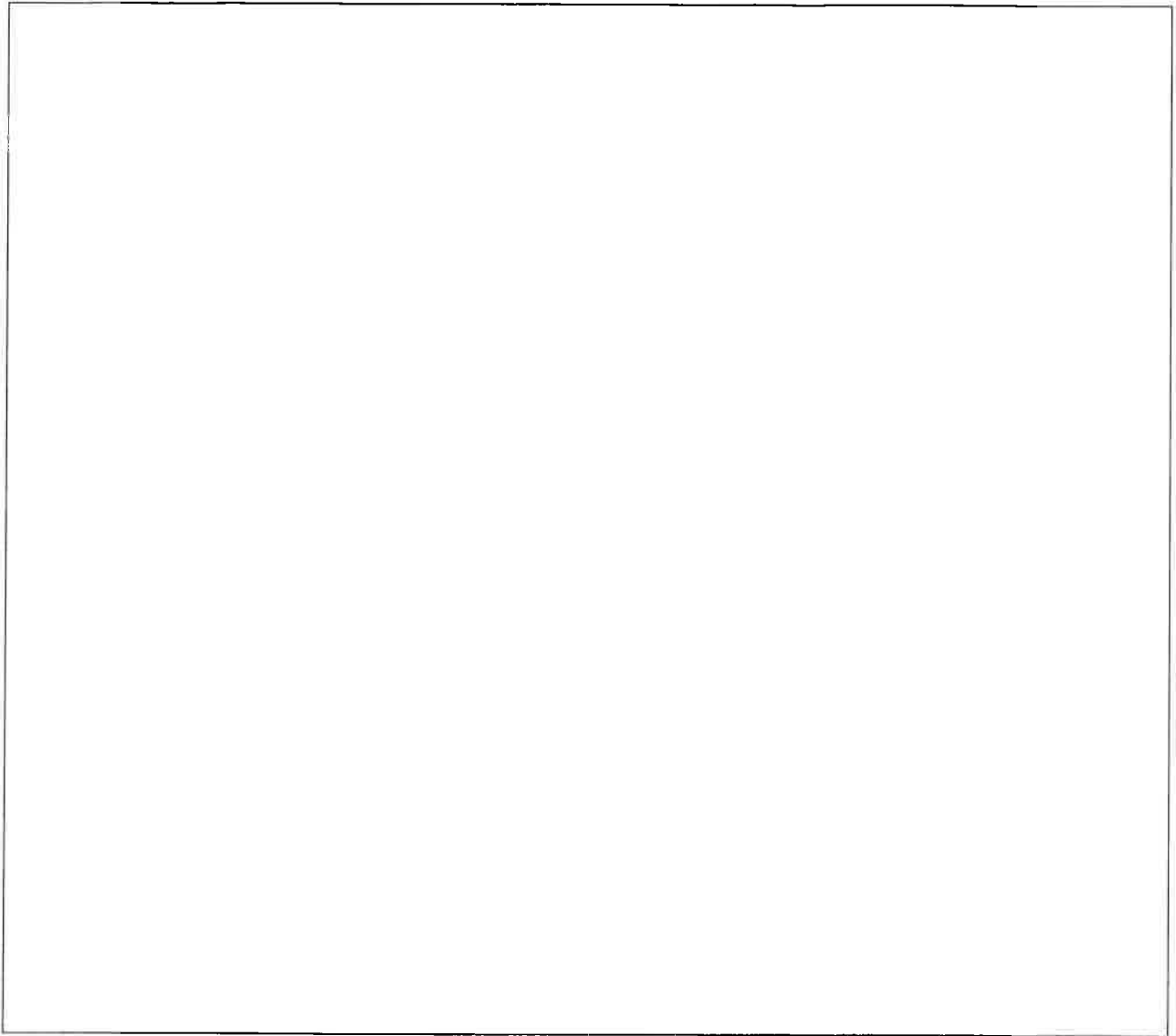
Temperature: _____

Conductivity: _____

Hardness: _____

Iron: _____

Location Sketch:



Notes:
