

**ADDENDUM TO HYDROGEOLOGICAL STUDY  
PROPOSED BUMSTEAD AGGREGATE PIT  
INVENTORY OF PRIVATE WATER SUPPLY WELLS**

**WEST HALF OF LOT 27 CONCESSION 7  
FORMER TOWNSHIP OF HOLLAND  
TOWNSHIP OF CHATSWORTH**

**GAMSBY AND MANNEROW LIMITED  
CONSULTING PROFESSIONAL ENGINEERS  
GUELPH OWEN SOUND LISTOWEL KITCHENER EXETER**

June, 2014  
Our File: 210099



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Gamsby and Mannerow  
ENGINEERS



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**INVENTORY OF PRIVATE WATER SUPPLY WELLS  
PROPOSED BUMSTEAD AGGREGATE PIT  
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File No. 210099  
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## 1.0 INTRODUCTION

Gamsby and Mannerow Limited (G&M) was retained by Pearl and Brian Bumstead to complete an Inventory of the Private Water Supply Wells in the area surrounding the proposed Bumstead Pit in the Township of Chatsworth, Ontario. The survey was conducted to further support the Category 1 Class “A” aggregate license application for a 39.6 ha property at Veteran’s Road South and Sideroad 60, southwest of Berkeley. The proposed 18.9 ha aggregate pit is located on the west half of Lot 27, Concession 7 in the former Township of Holland, where shown on Figure 1.

As part of the application process, a Level 1 Hydrogeological Study (dated September 2013) for the proposed aggregate extraction pit was provided to the MOE. MOE review comments pertaining to the hydrogeological report, dated February 3, 2014, provided in Appendix A, requested that *‘the consultant provide supporting evidence that shallow “unlicensed” domestic water supplies do not exist within the 500 meter radius surrounding the site.... Ministry staff is requesting this be further investigated through, as a minimum, a door to door survey to provide the assurance required. Should shallow domestic wells be found to exist, the requirement of the installation of additional shallow monitoring wells should be reassessed.’*

This letter report, which is intended to supplement the Hydrogeological Study, documents the completion of a door-to-door survey/inventory of water supply wells within a 500 m radius surrounding the Bumstead property. The purpose of the well survey is to identify private wells, namely shallow “unlicensed” wells (i.e. dug wells), in the vicinity of the proposed aggregate pit and if present, to assess the measures required to protect these water sources. It is important to note that the proposed pit operations will be conducted to the depth of the high water table, therefore no dewatering or water diversion will occur.

This addendum to the Hydrogeological Study presents: (i) an outline of the steps taken to complete the private supply well inventory; (ii) an updated summary of the data obtained from the Ministry of the Environment (MOE) Well Records and comparison to information obtained from the well survey; (iii) a discussion of the results of the survey and any additional level of risk for impacts; and (iv) an updated impact assessment and discussion of the measures required to protect the domestic wells surrounding the proposed pit. In addition, based on the time period since the original application and the relatively “wet” conditions in 2014, this report provides an update with respect to the water level monitoring on site. It is noted that the MOE Well Record

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review and discussion from the Hydrogeological Report is provided herein for context during the discussion of findings. However, the reader is referred to the original submission documents for details regarding the local geologic and hydrogeologic conditions.

## **2.0 DOOR TO DOOR SURVEY**

### **2.1 DEFINED SURVEY AREA**

To obtain an accurate assessment of the local private water supplies, a door-to-door survey was conducted to establish an inventory of the water supply wells surrounding the proposed pit in order to *further provide assurance of the protection of potential shallow domestic water wells should they exist either hydraulically lateral or downgradient of the property* (as per MOE Comments provided in Appendix A). The survey area incorporated all properties located within the 500 m radius surrounding Bumstead property, as outlined on Figure 2, herein referred to as the '*defined survey area*'.

### **2.2 SURVEY METHODOLOGY AND TRACKING**

On March 18, 2014 a package prepared by G&M was hand delivered, where possible,. Within the package was a letter informing the local residents of the proposed pit and the associated requirement to identify water supply wells in the area for the purpose of providing more certainty regarding the well types and locations. As it was recognized that some property owners were seasonal residents or did not live in the area, three packages were prepared separately and sent via Canada Post to Peter and Rose Chiefari, Ian and Lorysa Bond and John Quinn. The delivered package included the following:

1. A generic letter briefly describing the proposed aggregate pit location and explaining the well inventory program (copies of the letters delivered and sent are provided in Appendix B);
2. A 'Well Information Request Form' (provided in Appendix B); and
3. A postage paid return envelope so the Form could be easily returned to Gamsby and Mannerow.

During the delivery of the packages, a 'Letter Drop-Off Tracking Sheet' was completed. In total, 19 properties were recorded on the tracking sheet. Information recorded on the tracking sheet included the address, owner information on the mailbox (where present) and a brief description of the property. A copy of the completed tracking sheet is provided in Appendix C.

Due to the use of a PO Box System in the Community, a total of 14 letter packages were left with the homeowner (if present at home), placed in the mailboxes (where mailbox was present), or were delivered to available locations at the respective property (such as within doorways). Furthermore, a total of five packages were sent via Canada Post to ensure that all property owners surrounding the proposed pit received the survey. For five known vacant properties, packages were mailed out on March 18, 2014 or March 20, 2014.

### 2.3 SURVEY RESPONSE

As the time of this report (i.e., May 2014), a total of 12 responses were received (i.e. forms returned or contact made). Copies of the returned survey forms and letters are provided in Appendix D. Where possible, an attempt was made to correlate the well information provided within the completed forms with the MOE well records to determine or confirm the private well details for each subject property. Due to the limited information generally provided by the respondents in the returned *Well Information Request Forms*, the well records inferred to belong to each respondent's property are also provided in Appendix D.

### 3.0 FINDINGS

#### 3.1 UPDATED REVIEW OF MOE WELL RECORDS

##### Registered Wells within Defined Survey Area

A review of Ministry of the Environment (MOE) well records for the site and surrounding area was conducted as part of the Hydrogeological Study. A copy of the pertinent MOE well records were provided in the Hydrogeological Report and a summary of the well search results, correlated with the well survey data, is provided in Table 1.

Based on the UTM coordinates provided in the well records and comparison to the location of residential dwellings and other buildings, one well was identified on the subject property and eleven (11) wells, inferred to be associated with the surrounding residential homes and outbuildings, were identified within the defined survey area (Figure 2). The well records indicate that the wells are completed into the underlying bedrock to depths in the range of 29 to 108 m below ground surface (bgs).

Within the Hydrogeological Report, one additional well was inferred to exist based on the absence of an MOE plotted record and the known location of a residence serviced with a well. Based on the information provided by the homeowner as part of the survey, MOE Well No. 7048024 belongs to this residence located at 495492 Veterans Road South, as shown on Figure 2.

##### Bedrock Wells to the West of the Bumstead Property

Based on the MOE well records, a total of four residential wells were identified directly to the west within Lot 27 Concession 6, on the opposite side of Veteran's Road from the proposed pit location. Given the upgradient location of these wells relative to the proposed pit and the documented well depths of between 29 and 50 m for these proximal wells identified, it is unlikely that aggregate removal activities, above the water table, would affect the quantity or quality of groundwater at these bedrock well locations.

Given the UTM coordinates provided, one additional residential well was shown to exist to the northwest and within the defined survey area. However, based on the description of the well location provided by the property owner as being '*next to the house*', it is inferred that this drilled well (MOE Well No. 25-10723) is actually located outside of the 500 m survey radius. Based on the crossgradient location of this well, the documented depth of approximately 35 m and the separation distance of greater than 500 m, no impacts are anticipated at this location.

### **Bedrock Wells to the South of the Bumstead Property**

Three residential wells, and one well inferred to be associated with an existing airplane hanger, were identified directly to the south of the site. One additional well (i.e. MOE Well No. 25-01401) is plotted in the fields to the southeast, however is inferred to belong to the observed vacant buildings to the southeast, along the 500 m survey limit, where shown on Figure 2. It is noted that, of the six survey packages delivered within the defined survey area and to the south of Sideroad 60, only one response was provided.

Based on the inferred groundwater flow direction, these wells are generally located upgradient of the subject property. Of these wells identified, only one well will likely be within 500 m of the estimated pit location. This well, which is approximately 17 m deeper than the on-site well, is situated 150 m south of the on-site residential well and approximately 300 to 350 m upgradient of the proposed pit location, where impacts are not anticipated.

### **Bedrock Wells Downgradient of the Bumstead Property (i.e to the North and East)**

Based on the MOE well records, a drilled well does not exist on the property to the north of the site within Lot 26, Concession 7. However, three bedrock wells were identified downgradient to the east of the proposed pit, with only one well inferred to exist within the defined survey area. While the closest supply well plotted in this direction is approximately 300 m from the property boundary (based on the UTM coordinates provided), it appears that one additional bedrock well exists within the 500 m radius, as shown on Figure 2. Based on the information provided by the homeowner in the *Well Information Request Form* completed, MOE Well No. 25-04723 is likely associated with the residence located at 584161 Sideroad 60. This residence is separated from the Bumstead property by a distance of greater than 400 m as well as a surface water feature (i.e. pond/marsh). Based on the separation distances, the geology, and the occurrence of an intermediary surface water feature, impacts to off-site bedrock wells downgradient of the subject property are not anticipated.

## **3.2 SUMMARY OF WELL INVENTORY RESULTS – SHALLOW WELLS**

The main purpose of the well inventory was to identify whether any shallow ‘unlicensed’ domestic water supplies exist within the 500 m radius surrounding the Bumstead property. Based on the findings of the survey, two shallow dug wells do exist within the defined survey area. The approximate locations of these reported dug wells, based on the descriptions provided, are shown on Figure 2.

### **495546 Veterans Road South – Conc. 6, Lot 26 - Crocker**

One dug well, associated with the Crocker property, is located to the northwest of the proposed pit in a field/wooded area. In a letter provided by the respondent (Appendix D), it is indicated that the dug well is located by the fence between the first two fields (to the south) - in the first field amongst the saplings and has not been used for 50 years. Based on this description it is estimated that this shallow well is situated crossgradient to and within 200 m of the Bumstead property. Therefore, it is not likely that this shallow well would be impacted by operations in the proposed pit.

Based on the survey information and MOE well records, the property also has a drilled well in the vicinity of the house that is used for domestic purposes.

Additional information regarding the Crocker property provided by the Bumsteads suggests that a residential home was situated close to this dug well until 1957, at which time the residence burned down. This information also suggests that this well has not likely been used for greater than 50 years.

The Crocker property is also noted to have a small Lake/pond, known as Walker Lake. The Lake is approximately 500 m from the northwesterly corner of the licensed area. Based on information provided, the Lake provides domestic water to the residence. Based on the groundwater flow direction, surface water flow directions, and topography, Walker Lake is considered to be upgradient of the subject property. Further, based on the separation distance of approximately 500 m combined with the site-specific scenario where no water taking or diversion is proposed, the potential for impacts to the water quality or quantity associated with Walker Lake is considered to be low.

#### **584022 Sideroad 60 – Conc. 7, Lot 28 - Kurita**

One shallow well was identified on the Kurita property located to the south of the proposed pit. This property is reported to be serviced with a drilled well that is the source of domestic water. The shallow/dug well is described by the respondent as being an “*architecturally archaic*” well located in a pond. Reportedly this well is submerged under water until the late summer-early fall, when pond levels become low enough to access the well. Additional information provided by the Bumsteads, as provided by the previous property owner, indicates that this dug well was a spring that was unearthed while having the pond dug circa 1962. Since that time a stone casement was put up around the spring when water levels were low enough to permit doing so. According to the Kuritas, this dug well is ‘*still sound and of good use when needed*’.

Based on the topographic contours and the reported location of the dug well in a pond, the source of water for the well is inferred to be at an elevation of between 410 and 415 masl. In particular, the Kurita property is located atop the drumlin feature, above the lower-lying outwash “valley” area, where the pit is proposed. Comparatively, the water levels within the estimated pit boundaries, located greater than an estimated 400 m downgradient of the ponds, are in the range of 398 to 400 masl. Based on the upgradient location of this dug well to the proposed pit, the separation distance of an estimated 400 m and the higher elevation associated with the groundwater source for the spring/dug well, groundwater quantity and quality impacts from the proposed pit operations are not anticipated.

### **3.3 GROUNDWATER USE**

MOE well records indicate that there are several bedrock wells in the area that are used as domestic water supplies. Based on the response from the well surveys, at least eight of the wells within the defined survey area are domestic bedrock wells and majority of them use the well water for drinking. Based on the limited information provided in the surveys returned pertaining to the existing water quantity and quality and whether a treatment system is present, it appears

that the majority of the respondents have not experienced any problems, to date, and treatment systems are not typically utilized.

Based on the well survey responses obtained, two shallow dug wells exist with the defined survey area, however, it is noted that drilled wells also associated with the subject properties provide the domestic water source. Of the shallow dug wells, the Crocker well has not been used for a period of greater than 50 years and the Kurita well is associated with a groundwater discharge area within a pond. Both of these shallow wells are inferred to be upgradient of the proposed Aggregate Pit and a relatively large separation distances. Most notably, the shallow dug well associated with the Kurita property is located at an elevation of approximately 10 to 15 m above the proposed pit boundary.

#### 4.0 UPDATED IMPACT ASSESSMENT AND MITIGATION MEASURES

The well inventory and assessment program carried out for Pearl and Brian Bumstead involved the review of the MOE well records in the vicinity of the proposed pit and hand delivery of information packages and a well survey within the defined study area. Of the 19 packages delivered, there were 12 respondents.

The main purpose of the well survey was to identify whether any shallow 'unlicensed' domestic water supplies exist within the 500 m radius surrounding the Bumstead property. The survey identified two shallow dug wells, including the Crocker and Kurita wells. As per the MOE Comments '*Should shallow domestic wells be found to exist, the requirement of the installation of additional shallow monitoring wells should be reassessed*'. Given the upgradient to crossgradient location of these shallow wells, the distance of greater than an estimated 200 meters from the property boundary, and in consideration of the limited use, if any, impacts to these shallow dug wells are not anticipated and the installation of additional shallow monitoring wells is not deemed warranted at this time.

Based on the results of the door to door survey and the assessment of the shallow wells in the area surrounding the proposed pit, the general conclusions of stated in the Hydrogeological Study remain the same. That is '*based on the proposed maximum extraction of aggregate to the water table (i.e., not within saturated soils) with no proposed dewatering or water diversion, the reported occurrence of the hardpan overlying the bedrock, and in consideration of the setback distances, it is reasonable to expect that the proposed aggregate extraction will not impact the water supply wells or surface water features in the area.*'

Additionally, the list of standard mitigative measures provided to be protective of the shallow water table aquifer provided in the Hydrogeological Study continues to be considered sufficient with one addition that provides additionally certainty regarding the elevation of the "high" water table:

- *Yearly water level monitoring shall be conducted in the spring by a qualified professional. Water levels will be compared to the proposed bottom contours, which will be adjusted to the maximum expected water table, as necessary.*

## 5.0 UPDATED HIGH GROUNDWATER ELEVATION

On May 16, 2011 three monitoring wells were installed to depths ranging between 5.5 and 10.64 mbgs to monitor water levels at the site (i.e., MW-1, MW-2, and MW-3). These monitoring wells are used to measure the groundwater elevations and determine the “high” water levels associated with the property. As part of the Hydrogeological Study, the water level in each of the monitoring wells was measured by G&M personnel on May 16, 2011 (following the well installation activities), May 24, 2011, October 25, 2011, March 12, 2012, and May 23, 2013.

Based on the time period since the ARA application submission and the relatively “wet” conditions observed in 2014, additional water level measurements were collected on May 20, 2014. The 2014 spring conditions are anecdotally considered to be one of the wettest in the last 10 to 15 years. Several areas, have been documented to have had flood conditions, with high groundwater and surface water observed at several locations throughout Grey and Bruce Counties.

Based on the groundwater conditions, timing of the freshet, and precipitation events, the spring water level measurements collected in 2014 is considered to be representative of the “high” water level measurements under wet conditions. The 2014 water levels are summarized on Table 2, enclosed with this report. The 2014 water levels are approximately 0.2 to 0.6 m above those from 2013. It is recommended that the operational plans be updated to account for the 2014 “high” groundwater conditions.

In the portion of the site where extraction is proposed (i.e. the northern area), the watertable is considered to decline from 400.5 masl in the west to 398.2 masl in the east, as shown on the updated Figure 4. Based on extraction to the watertable, these elevations represent the proposed maximum depth of the bottom contours of the pit. It is noted that the groundwater elevations may vary, such that the excavation depths may be limited to shallower depths where groundwater is encountered, as per the established mitigative measures.

All of which is respectfully submitted.

GAMSBY AND MANNEROW LIMITED

Per:



M. D. Nelson, M.Sc., P.Geo., P.Eng.



**TABLE 1  
SUMMARY OF WELL SURVEY INFORMATION PROVIDED WITH CORRELATION TO THE MOE WELL RECORDS**

WELL SURVEY RESULTS				MOE WATER WELL RECORDS												
FIRE NO.	CURRENT PROPERTY OWNER	TYPE OF WELL	WELL USAGE (As per survey)	CONC	LOT	WELL NO. (records)	EASTING	NORTHING	ELEVATION ft asl. (m asl)	DATE INSTALLED	CASING DIAMETER	STATIC WATER LEVEL ft (m)	WATER USE	OB or BDRK	DEPTH TO BEDROCK ft (m)	WELL DEPTH ft (m)
<b>Holland Township</b>																
495546	Doug Crocker	Drilled *Dug*	NA None	6	26	25-10723	518,205	4,910,268	1325 (404)	July 1990	6	---	DO	BDRK	75 (22.8)	116 (35.3)
495498	Stuart and Sharon Hyde	Drilled	DO	6	27	7035895	518,598	4,910,077	----	August 2006	6	32 (9.8)	DO	BDRK	24 (7.3)	97 (29.5)
495504	Richard and Joanne Bickley	Drilled	DO	6	27	25-11009	518,575	4,909,878	1310 (399)	August 1990	5	28 (8.5)	DO	BDRK	38 (11.6)	140 (42.6)
495464	Jean Buchanan	Drilled	DO	6	27	25-11117	518,652	4,909,571	1325 (404)	August 1990	5	36 (10.9)	DO	BDRK	29 (8.8)	155 (47.1)
495492	Don and Doris Sowerby	Drilled	DO	6	27	25-15271	517,271	4,909,181	----	Nov 2002	6	29 (8.8)	DO	BDRK	7 (2.1)	156 (47.4)
584015	Pearl and Brian Bumstead	Drilled	DO	6	27	7048024	518,598	4,909,749	----	June 2007	6	75 (22.9)	DO	BDRK	22 (6.7)	145 (44.2)
584161	H&W Macho	Drilled	DO	7	27	25-01400	518,900	4,909,400	1350 (411)	Jan 1951	6	47 (14.3)	DO	BDRK	57 (17.3)	98 (29.8)
				7	27	25-08084	519,700	4,909,500	1275 (389)	August 1983	5	48 (14.6)	DO	BDRK	75 (22.8)	355 (108)
				7	27	25-04723	520,125	4,909,533	1295 (395)	Jan 1974	5	42 (12.8)	DO	BDRK	57 (17.3)	97 (29.5)
				7	27	25-16235	519,901	4,909,610	----	July 2004	6	30 (9.1)	DO/ST	BDRK	48 (14.6)	102 (31.0)
584022	Naohiko and Anne Kurita	Drilled *Dug*	NA None	7	28	25-03209	518,950	4,909,250	1360 (415)	June 1970	6	50 (15.2)	DO	BDRK	57 (17.3)	155 (47.1)
				7	28	25-06838	518,950	4,908,950	1375 (419)	June 1979	5	80 (24.3)	DO	BDRK	85 (25.8)	185 (56.2)
				7	28	25-05833	518,930	4,909,040	1375 (419)	Oct 1976	5	71 (21.6)	DO	BDRK	71 (21.6)	285 (86.6)
				7	28	25-01401	519,599	4,909,300	1318 (402)	March 1951	6	25 (7.6)	DO	BDRK	65 (19.8)	97 (29.5)
				7	28	25-13495	519,457	4,909,088	----	April 1998	6	42 (12.8)	DO	BDRK	65 (19.8)	97 (29.5)
<b>SURVEY RETURNED - ALTHOUGH A PORTION OF THE PROPERTY FALLS WITHIN THE 500 meter LIMIT, WELL IS LIKELY OUTSIDE THE DEFINED SURVEY AREA</b>																
580025	Gregory Elchuk	Drilled	DO/Livestock	3 SR W	60	25-10065	519,885	4,910,551	1330 (405)	August 1, 1989	5	60 (18)	DO	BDRK	79 (24)	170 (52)
583697	Andrew and Patricia Caine	Drilled	DO	6	27											
No matching well record available																
<b>SURVEY RETURNED - NO WELL ON PROPERTY</b>																
Vacant lot	Julia Robinson	None	NA	6	27											
Vacant lot	Patti Buchanan	None	NA	6	27											

**Notes:**

- Information was obtained from the MOE Water Well Data System.
- = Information not available.
- OB = overburden well ; BDRK = bedrock well ; DO = Domestic ; ST = Livestock
- ft = feet; ft asl. = feet above sea level
- CONC = Concession; EL. = Elevation
- Well locations are presented on Figure 2.
- Northing and Eastings were provided by the MOE Water Well Data System are considered to be approximate. These are given in relation to the NAD 83 datum.

**ADDENDUM TO HYDROGEOLOGICAL STUDY  
PROPOSED BUMSTEAD AGGREGATE PIT  
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**WEST HALF OF LOT 27 CONCESSION 7  
FORMER TOWNSHIP OF HOLLAND  
TOWNSHIP OF CHATSWORTH**

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**FIGURES**

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**210099  
Aggregate Pit  
Hydrogeologic Study  
Township of Chatsworth**



**LEGEND**

- 495498 (HYDE) FIRE NUMBER (PRESENT OWNER)
- SITE BOUNDARY
- WELL LOCATION BASED ON M.O.E. WELL RECORD SEARCH WITH M.O.E. WELL NUMBER
- SPOT ELEVATION (FROM TOPOGRAPHIC MAP, masl)
- INFERRED WELL LOCATION BASED ON SITE RECONNAISSANCE
- INFERRED LOCATION OF SHALLOW 'DUG' WELL
- INFERRED GROUNDWATER FLOW DIRECTION

SCALE: 1:10,000  
APRIL 2014

**SITE SETTING**

**Part Lot 27, Conc. 7  
(Former Township of Holland)  
County of Grey**

**Figure No. 2**



AIRPHOTO FROM: GREY COUNTY GIS MAPPING



**210099  
Aggregate Investigation  
Hydrogeologic Study  
Township of Chatsworth**



**LEGEND**

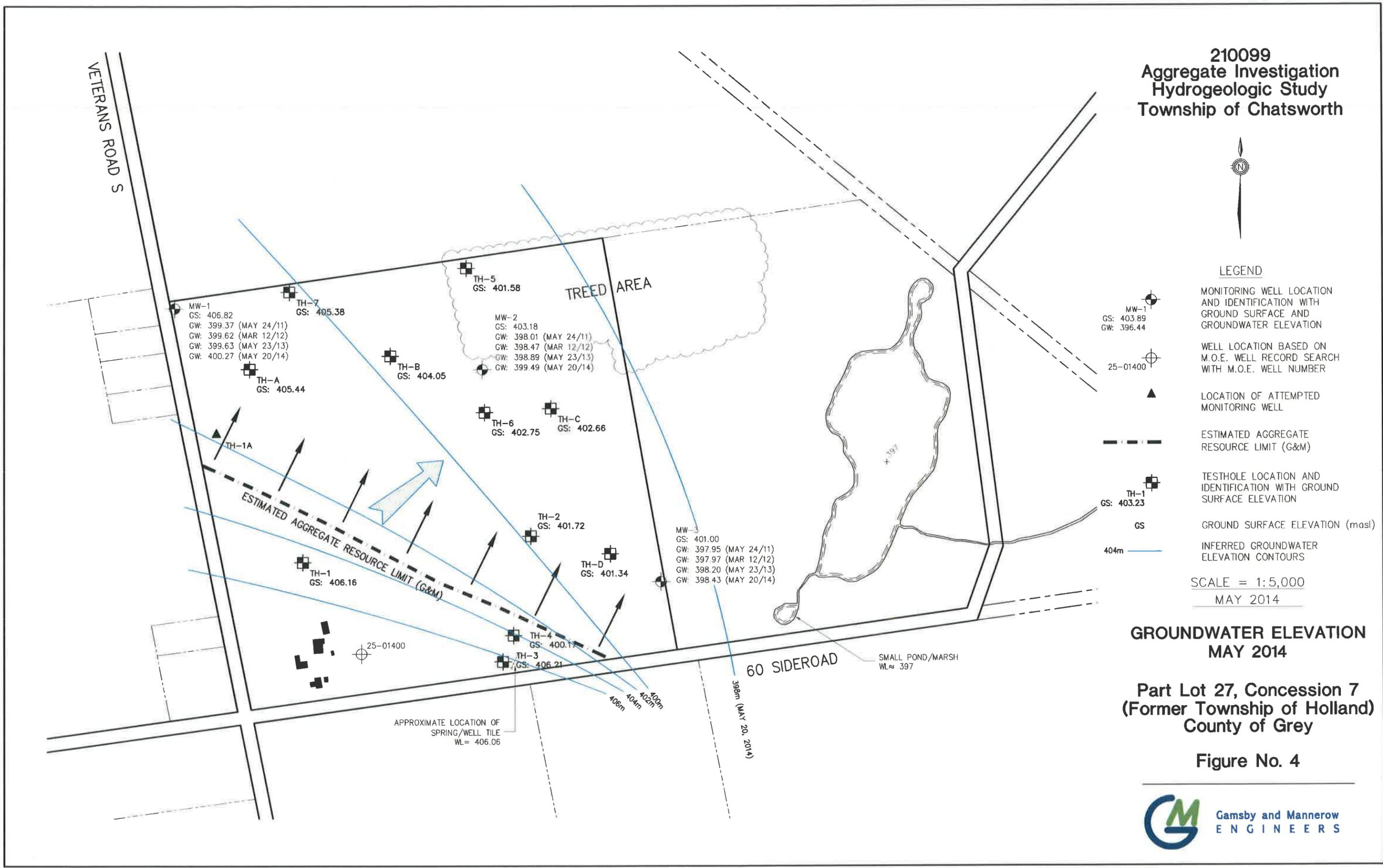
- MONITORING WELL LOCATION AND IDENTIFICATION WITH GROUND SURFACE AND GROUNDWATER ELEVATION
- WELL LOCATION BASED ON M.O.E. WELL RECORD SEARCH WITH M.O.E. WELL NUMBER
- LOCATION OF ATTEMPTED MONITORING WELL
- ESTIMATED AGGREGATE RESOURCE LIMIT (G&M)
- TESTHOLE LOCATION AND IDENTIFICATION WITH GROUND SURFACE ELEVATION
- GROUND SURFACE ELEVATION (masl)
- INFERRED GROUNDWATER ELEVATION CONTOURS

SCALE = 1:5,000  
MAY 2014

**GROUNDWATER ELEVATION  
MAY 2014**

**Part Lot 27, Concession 7  
(Former Township of Holland)  
County of Grey**

**Figure No. 4**



**ADDENDUM TO HYDROGEOLOGICAL STUDY  
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**APPENDIX A**

**MOE CORRESPONDENCE**

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Ministry of the Environment

733 Exeter Road  
London ON N6E 1L3  
Tel: 519 873-5000  
Fax: 519 873-5020

Ministère de l'Environnement

733, rue Exeter  
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Tél: 519 873-5000  
Télééc.: 519 873-5020



February 3, 2014

Genevieve Scott  
Cuesta Planning Consultants  
978 Frist Avenue West  
Owen Sound, Ontario  
N4K 4K5

Dear Ms Scott:

RE: Proposed Bumstead Pit, Part Lot 27 Concession 7, Township of Chatsworth (geog Holland)

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The above referenced proposal is to obtain an ARA Category 1 Class A aggregate license for a 39.6 hectare property at Veteran's Road South and Sideroad 60 southwest of Berkeley. The proposed extraction area is 18.9 hectares. It is proposed to extract 150,000 tonnes annually over an estimated 11 years.

The Ministry of the Environment has been requested to review the "Level 1 Hydrogeological Study" completed by Gamsby & Mannerow (Sept 2013) whose aim it is to characterize the geology, groundwater occurrence and water table elevations. It also has reported to have investigated the potential for adverse effects on the local groundwater resources. The investigative methodology included a review of background data and field investigations inclusive of test pitting, monitoring well installations and a site survey. The report indicates the geological data compiled to date has determined this location consists of prime aggregate material of coarse sand and gravel. The report also claims no dewatering or water diversion will occur as part of the operation.

The local water well records on file with the Ministry of the Environment Water Well Information System were reviewed and summarized by the consultant to assess both geology and hydrogeology. It is noted that all water well records on file with the Ministry for this immediate area indicate that all domestic water wells were completed in the underlying bedrock to depths of between 29 and 108 metres below ground surface. The bedrock aquifer has been reported as a confined to semi-confined aquifer. Ministry staff concur with this assessment, however, it is noted the report is silent on the potential existence of shallow domestic water wells, dug or otherwise, that are typically common to rural settings where shallow groundwater is available.

A shallow unconfined or water table aquifer has been documented to exist on site. This application proposes to forego the standard 1.5 metre buffer distance or setback above the water table in order to mine the local gravel to depths near or equal to the seasonal high water table elevation. As a result of this decision, the proposed operation has been formally registered as a "Class A below the water table operation" and will therefore be subject to all criteria and scrutiny that would normally be associated with a licensed operation where excavation into the

groundwater would occur.

The report clearly states that excavation will not proceed past the depth where water enters the excavation. Should water enter an excavation the standard operating procedure will be to document the water level elevation and stop adjacent excavations approximately 0.3 meters above the water table elevation as encountered.

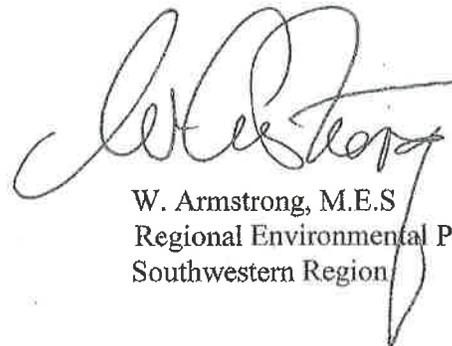
The flow direction of the shallow water table aquifer has been reported to be to the east and northeast. We concur with this assessment based on the information provided from 3 monitoring wells and note this flow direction appears to be away from local residences as they have been shown on the illustrations provided. Additional monitors would provide a higher level of confidence in the assessment of shallow groundwater flow direction and further provide assurance of the protection of potential shallow domestic water wells should they exist either hydraulically lateral or downgradient of the property. In this regard, and while not impossible, we find it unusual that shallow wells either for domestic, livestock or irrigation purposes, do not exist in such a granular environment where water is close to ground surface.

The report concludes that it is reasonable to expect the proposed aggregate operation will not impact local water supply wells. While it is staff's general opinion that the proposed operation will not impact domestic water supplies as presented in the report, we suggest the consultant be asked to provide supporting evidence that shallow "unlicensed" domestic water supplies do not exist within the 500 meter radius surrounding the site. As mentioned, shallow dug wells are not uncommon in such rural environments and as such the Ministry staff is requesting this be further investigated through, as a minimum, a door to door survey to provide the assurance required. Should shallow domestic wells be found to exist, the requirement of the installation of additional shallow monitoring wells should be reassessed. If they are found to not exist, staff accept the conclusions of this report that impact on local water well supplies is not anticipated.

The report also provides a list of standard mitigative measures that are protective of the shallow water table aquifer. Ministry staff concur with the use of these measures as they have been presented.

If questions arise or if clarification is needed please contact the undersigned at (519) 873-5013 or via email at [bill.armstrong@ontario.ca](mailto:bill.armstrong@ontario.ca).

Yours truly,

A handwritten signature in black ink, appearing to read 'W. Armstrong', is written over a printed name and title.

W. Armstrong, M.E.S  
Regional Environmental Planner  
Southwestern Region

cc. B. Harman  
J. McLay

**ADDENDUM TO HYDROGEOLOGICAL STUDY  
PROPOSED BUMSTEAD AGGREGATE PIT  
INVENTORY OF PRIVATE WATER SUPPLY WELLS**

**WEST HALF OF LOT 27 CONCESSION 7  
FORMER TOWNSHIP OF HOLLAND  
TOWNSHIP OF CHATSWORTH**

---

**APPENDIX B**

**DELIVERED PACKAGE:  
GENERIC AND ADDRESSED LETTERS AND  
WELL INFORMATION REQUEST FORM**

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**WELL INFORMATION REQUEST FORM  
PROPOSED BUMSTEAD PIT  
PART LOT 27 CONCESSION 7, TOWNSHIP OF CHATSWORTH**

**STEP 1 – GENERAL INFORMATION**

Name of Owner: \_\_\_\_\_  
Name of Occupant: \_\_\_\_\_  
Phone Number of Owner: \_\_\_\_\_  
Lot/Concession: \_\_\_\_\_  
Fire Number (if applicable): \_\_\_\_\_

MAILING ADDRESS: \_\_\_\_\_ PROPERTY ADDRESS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

E-mail address: \_\_\_\_\_

**STEP 2 – WELL CONSTRUCTION DETAILS**

Please provide as much of the following information as possible regarding the well(s) on your property. If you have more than one well, please indicate information as pertains to each well:

Date Constructed: \_\_\_\_\_  
Contractor: \_\_\_\_\_  
Type of Well (please check): Drilled  Dug   
Original Well Depth: \_\_\_\_\_  
Well Diameter: \_\_\_\_\_  
Type of well/source of water (please check): Bedrock  Overburden   
Name of past property owner(s): \_\_\_\_\_  
Well usage: Domestic  Irrigation  Livestock  Other: \_\_\_\_\_  
MOE Well Number: \_\_\_\_\_

1. Have you ever had any water supply *quantity* or water *quality* issues in the past? If so please describe: (frequency, duration, appearance, odour, taste, etc.)  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. Do you have a copy of the well record provided by the drilling contractor: YES  NO   
(if possible, please provide a copy of the well record)

3. Do you have a water treatment system? If so, please describe:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**STEP 3 –**

Please provide the name and signature of the person who completed this form below:

\_\_\_\_\_  
(Name – Please print)

\_\_\_\_\_  
(Signature)

--It will be assumed that a form not returned is an indication of not being interested--

PLEASE RETURN THE FORM TO GAMSBY AND MANNEROW IN THE ENCLOSED  
SELF-ADDRESSED POSTAGE-PAID ENVELOPE, FAX TO 519-376-8977 OR VIA EMAIL  
TO [mnelson@gamsby.com](mailto:mnelson@gamsby.com)



Gamsby and Mannerow  
ENGINEERS



March 20, 2014  
Our File: 210099

Ian & Lorysa Bond  
31 Gardiner Road  
Toronto, ON M5P 3B6

Re: Proposed Bumstead Pit  
Part of Lot 27 Concession 7  
Township of Chatsworth

Dear Ian and Lorysa Bond:

As part of the application for an Aggregate Resources Act (ARA) Category I Class A aggregate license, Pearl and Brian Bumstead are requesting your cooperation in mapping the locations of the private water supply wells in the area surrounding the proposed Bumstead Pit in the Township of Chatsworth, Ontario. The proposed aggregate pit is located at 584015 Sideroad 60 and is situated northeast of the intersection of Sideroad 60 and Veterans Road South. Gamsby and Mannerow Limited (G&M), consulting professional engineers, has been retained to assist with this project.

This local survey is being conducted to provide more certainty regarding the location of private water supply wells in the area in order to ensure protection of the local water resources. On behalf of the Bumsteads, we request that you please complete the enclosed form requesting information about the water supply well(s) on your property (i.e. Part of Lot 26 Concession 7 in the Township of Chatsworth), to the best of your ability, and return it to Gamsby and Mannerow in the enclosed, self-addressed and postage paid envelope by April 11, 2014. If you have any questions regarding the water supply well inventory please contact Matthew Nelson at Gamsby and Mannerow, (519)376-1805. Following a review of the existing water supply wells in the area, you may be contacted should additional information be needed.

Personal information collected will be used by the Bumsteads, Cuesta Planning Consultants, Gamsby and Mannerow Limited, the Ministry of Natural Resources, the Ministry of the Environment, the Township of Chatsworth and the County of Grey to support the planning and ARA applications. By providing us with your personal information for the purposes listed above, you consent to our collection, use and disclosure of the information for those purposes. We will not collect, use or disclose your personal information for other purposes without your consent. You may refuse or withdraw your consent at any time by contacting the undersigned.

Your cooperation and time are greatly appreciated.

Matthew Nelson, P.Eng, P.Geo.

people engineering environments

Gamsby and Mannerow Limited • Guelph, Owen Sound, Listowel, Kitchener, Exeter

1260 - 2nd Avenue E. Unit 1, Owen Sound, ON N4K 3J3 519-376-1805 fax 519-376-8977 www.gamsby.ca



Gamsby and Mannerow  
ENGINEERS



March 20, 2014  
Our File: 210099

Mr. Peter & Rosa Chiefari  
17476 Centreville Creek Road  
Caledon, ON L7K 2L5

Re: Proposed Bumstead Pit  
Part of Lot 27 Concession 7  
Township of Chatsworth

Dear Peter and Rosa Chiefari:

As part of the application for an Aggregate Resources Act (ARA) Category I Class A aggregate license, Pearl and Brian Bumstead are requesting your cooperation in mapping the locations of the private water supply wells in the area surrounding the proposed Bumstead Pit in the Township of Chatsworth, Ontario. The proposed aggregate pit is located at 584015 Sideroad 60 and is situated northeast of the intersection of Sideroad 60 and Veterans Road South. Gamsby and Mannerow Limited (G&M), consulting professional engineers, has been retained to assist with this project.

This local survey is being conducted to provide more certainty regarding the location of private water supply wells in the area in order to ensure protection of the local water resources. On behalf of the Bumsteads, we request that you please complete the enclosed form requesting information about the water supply well(s) on your property at 584140 Sideroad 60 in the Township of Chatsworth, to the best of your ability, and return it to Gamsby and Mannerow in the enclosed, self-addressed and postage paid envelope by April 11, 2014. If you have any questions regarding the water supply well inventory please contact Matthew Nelson at Gamsby and Mannerow, (519)376-1805. Following a review of the existing water supply wells in the area, you may be contacted should additional information be needed.

Personal information collected will be used by the Bumsteads, Cuesta Planning Consultants, Gamsby and Mannerow Limited, the Ministry of Natural Resources, the Ministry of the Environment, the Township of Chatsworth and the County of Grey to support the planning and ARA applications. By providing us with your personal information for the purposes listed above, you consent to our collection, use and disclosure of the information for those purposes. We will not collect, use or disclose your personal information for other purposes without your consent. You may refuse or withdraw your consent at any time by contacting the undersigned.

Your cooperation and time are greatly appreciated.

Matthew Nelson, P.Eng, P.Geo.

people engineering environments

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1200 2nd Avenue E, Unit 1, Owen Sound, ON N4K 2J3 • 519-376-1805 • fax 519-376-8977 • www.gamsby.com



Gamsby and Mannerow  
ENGINEERS



March 20, 2014  
Our File: 210099

Mr. John Quinn  
Box 543  
207 3<sup>rd</sup> Avenue South West  
Chesley, ON N0G 1L0

Re: Proposed Bumstead Pit  
Part of Lot 27 Concession 7  
Township of Chatsworth

Dear John Quinn:

As part of the application for an Aggregate Resources Act (ARA) Category I Class A aggregate license, Pearl and Brian Bumstead are requesting your cooperation in mapping the locations of the private water supply wells in the area surrounding the proposed Bumstead Pit in the Township of Chatsworth, Ontario. The proposed aggregate pit is located at 584015 Sideroad 60 and is situated northeast of the intersection of Sideroad 60 and Veterans Road South. Gamsby and Mannerow Limited (G&M), consulting professional engineers, has been retained to assist with this project.

This local survey is being conducted to provide more certainty regarding the location of private water supply wells in the area in order to ensure protection of the local water resources. On behalf of the Bumsteads, we request that you please complete the enclosed form requesting information about the water supply well(s) on your property at 583710 Sideroad 60 in the Township of Chatsworth, to the best of your ability, and return it to Gamsby and Mannerow in the enclosed, self-addressed and postage paid envelope by April 11, 2014. If you have any questions regarding the water supply well inventory please contact Matthew Nelson at Gamsby and Mannerow, (519)376-1805. Following a review of the existing water supply wells in the area, you may be contacted should additional information be needed.

Personal information collected will be used by the Bumsteads, Cuesta Planning Consultants, Gamsby and Mannerow Limited, the Ministry of Natural Resources, the Ministry of the Environment, the Township of Chatsworth and the County of Grey to support the planning and ARA applications. By providing us with your personal information for the purposes listed above, you consent to our collection, use and disclosure of the information for those purposes. We will not collect, use or disclose your personal information for other purposes without your consent. You may refuse or withdraw your consent at any time by contacting the undersigned.

Your cooperation and time are greatly appreciated.

Matthew Nelson, P.Eng, P.Geo.

people engineering environments

Gamsby and Mannerow Limited • Guelph, Owen Sound, Listowel, Kitchener, Exeter

11250 - 2nd Avenue E. Unit 1, Owen Sound, ON N4K 2J3 Tel: 519-376-1805 Fax: 519-376-8977 www.gamsby.com



Gamsby and Mannerow  
ENGINEERS



March 14, 2014  
Our File: 210099

Re: Proposed Bumstead Pit  
Part of Lot 27 Concession 7  
Township of Chatsworth

Owner/Occupant:

As part of the application for an Aggregate Resources Act (ARA) Category I Class A aggregate license, Pearl and Brian Bumstead are requesting your cooperation in mapping the locations of the private water supply wells in the area surrounding the proposed Bumstead Pit in the Township of Chatsworth, Ontario. The proposed aggregate pit is located at 584015 Sideroad 60 and is situated northeast of the intersection of Sideroad 60 and Veterans Road South. Gamsby and Mannerow Limited (G&M), consulting professional engineers, has been retained to assist with this project.

This local survey is being conducted to provide more certainty regarding the location of private water supply wells in the area in order to ensure protection of the local water resources. On behalf of the Bumsteads, we request that you please complete the enclosed form requesting information about the water supply well(s) on your property, to the best of your ability, and return it to Gamsby and Mannerow in the enclosed, self-addressed and postage paid envelope by April 4, 2014. If you have any questions regarding the water supply well inventory please contact Matthew Nelson at Gamsby and Mannerow, (519)376-1805. Following a review of the existing water supply wells in the area, you may be contacted should additional information be needed.

Personal information collected will be used by the Bumsteads, Cuesta Planning Consultants, Gamsby and Mannerow Limited, the Ministry of Natural Resources, the Ministry of the Environment, the Township of Chatsworth and the County of Grey to support the planning and ARA applications. By providing us with your personal information for the purposes listed above, you consent to our collection, use and disclosure of the information for those purposes. We will not collect, use or disclose your personal information for other purposes without your consent. You may refuse or withdraw your consent at any time by contacting the undersigned.

Your cooperation and time are greatly appreciated.

Matthew Nelson, P.Eng, P.Geo.

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**ADDENDUM TO HYDROGEOLOGICAL STUDY  
PROPOSED BUMSTEAD AGGREGATE PIT  
INVENTORY OF PRIVATE WATER SUPPLY WELLS**

**WEST HALF OF LOT 27 CONCESSION 7  
FORMER TOWNSHIP OF HOLLAND  
TOWNSHIP OF CHATSWORTH**

---

**APPENDIX C**

**LETTER DROP-OFF TRACKING SHEET**

---

Fire Number	Road	Conc	Pt. Lot 5	Name and/or address on Mailbox	Description (if >1, indicate #)						Additional Comments
					House	Barn	Farm	Livestock	Crops	Ind/Com	
✓ ① 584015	Sd. Rd. 60 Emailed reply mvd. 17/14	7	27	Brian & Pearl Burnstead	✓	2	✓		✓		Additional Outbuilding Drive Shed, woodshed Detached Garage
✓ ② 584022	Sd. Rd. 60	7	28	Naomi & Anne Kuwita	✓	✓					3 - Detached out buildings
③ 584140	Sd. Rd. 60	7	28	Peter & Rosa Chietari	✓	✓	✓		✓		land is rented out - All buildings in ill repair not inhabitable
✓ ④ 584161	Sd. Rd. 60	7	27	Willie & Helen Machio	✓						One detached garage/shed.
✓ ⑤ 580035	Sd. Rd. 60	3 SW 88	60	Greg & Darlene Elekuk	✓		✓		✓		Small out building.
⑥ 495546	Veterans Rd. S.	7	26	Fan Bond Korysa Bond							All buildings in ill repair - not livable
✓ ⑦ 495546	Veterans Rd. S.	6	26	Doug Crocker *	✓						Two detached garage & Shop.
✓ ⑧ 495504	Veterans Rd. S.	6	27	Richard & Deanne Bickley	✓						
✓ ⑨ 495498	Veterans Rd. S.	6	27	Stuart & Sharon Hyde	✓						Detached Garage
⑩ 495504	Veterans Rd. S.	6	27	Clinton Smith Michelle Leering Smith							1-2 R.V., Trailers.

Notes:

\* Doug Crocker lives @  
563475 Evely Holland  
Townline, RR #2  
Holland Centre, ON N4H 1R0.

Fire Number	Road	Conc	Pt. L. Lot S	Name and/or address on Mailbox	Description (if > 1, indicate #)						Additional Comments
					House	Barn	Farm	Livestock	Crops	Ind/Com	
11	Veterans Rd. S.	6	27	Don Sauerby	<input checked="" type="checkbox"/>						Detached garage - work shop
12	Veterans Rd. S.	6	27	Sean Buchanan	<input checked="" type="checkbox"/>						Small Shed
13	Veterans Rd. S.	6	27	Ruth Buchanan							vacant lot.
14	Veterans Rd. S.	6	27	Julia Robinson							vacant lot.
Pearl 15	583724 Sd Rd. 600	6	28	Stephen Martin							Two R.V. Trailers.
G4M 16	583710 Sd. Rd. 60	6	28	John Quinn	<input checked="" type="checkbox"/>						Two detached Storage - Shed - Garage
17	495413 Veterans Rd. S.	7	28	Donald St Gloria Coffey	<input checked="" type="checkbox"/>						Numerous out buildings lg. Air Plane Hanger
18	495405 Veterans Rd. S.	7	28	Robert Westing Richard Devine	<input checked="" type="checkbox"/>						3-4 Small out buildings.
19	583697 Sd. Rd. 60	7	27	Andrew St Rattie Cairne	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					Detached Garage - Shop - BUSINESS media/water systems

Notes: Pt. L. = Part lot

SWTSR = South West Toronto Spoken Rd.

G4M = Gamsby & Mannerow mailing road survey cover letter.

Pearl M = Pearl B. mailed out March 18, 2014

V = Pearl delivered either to person, mail box or left in door.

0 Delivered # 13 & # 14 to Sean Buchanan.

**ADDENDUM TO HYDROGEOLOGICAL STUDY  
PROPOSED BUMSTEAD AGGREGATE PIT  
INVENTORY OF PRIVATE WATER SUPPLY WELLS**

**WEST HALF OF LOT 27 CONCESSION 7  
FORMER TOWNSHIP OF HOLLAND  
TOWNSHIP OF CHATSWORTH**

---

**APPENDIX D**

**RETURNED SURVEY FORMS AND CORRESPONDING  
MOE WELL RECORDS (INFERRED)**

---

march 17, 2014

up-dated Edited - Copy -

WELL INFORMATION REQUEST FORM  
PROPOSED BUMSTEAD PIT  
PART LOT 27 CONCESSION 7, TOWNSHIP OF CHATSWORTH

STEP 1 - GENERAL INFORMATION

Name of Owner: BRIAN + PEARL BUMSTEAD  
Name of Occupant: \_\_\_\_\_  
Phone Number of Owner: 519-986-2467  
Lot/Concession: LOT 27 CON. 7  
Fire Number (if applicable): 584015

MAILING ADDRESS: 584015 GOSBOLD  
RR # 2 HOLLAND CENTRE  
NOHIRC ONT  
PROPERTY ADDRESS: \_\_\_\_\_

E-mail address: bbumsteade@erols.ca

STEP 2 - WELL CONSTRUCTION DETAILS

Please provide as much of the following information as possible regarding the well(s) on your property. If you have more than one well, please indicate information as pertains to each well:

Date Constructed: JANUARY 1951  
Contractor: 1317  
Type of Well (please check): Drilled  Dug   
Original Well Depth: 1350 rsl  
Well Diameter: 6"  
Type of well/source of water (please check): Bedrock  Overburden   
Name of past property owner(s): J. WHITNEY  
Well usage: Domestic  Irrigation  Livestock  Other: Groundwater Spring for  
MOE Well Number: 25-01400 DUG outlined on Pt. 1 of map  
Sept 2013 Hydrogeological Study

1. Have you ever had any water supply quantity or water quality issues in the past? If so please describe: (frequency, duration, appearance, odour, taste, etc.)  
NO

2. Do you have a copy of the well record provided by the drilling contractor: YES  NO   
(if possible, please provide a copy of the well record) we do have a copy of the well record - copy

3. Do you have a water treatment system? If so, please describe:  
YES - Sediment filter & water softener

**STEP 3 –**

Please provide the name and signature of the person who completed this form below:

Brian Bumstead  
(Name – Please print)

  
(Signature)

--It will be assumed that a form not returned is an indication of not being interested--

PLEASE RETURN THE FORM TO GAMSBY AND MANNEROW IN THE ENCLOSED  
SELF-ADDRESSED POSTAGE-PAID ENVELOPE, FAX TO 519-376-8977 OR VIA EMAIL  
TO [mnelson@gamsby.com](mailto:mnelson@gamsby.com)

Berkeley Jan 25<sup>th</sup> 1951  
Mr. J. Whitney Sr  
To Mrs. Betty.

encl.  
Well Information  
Request Form  
March 17, 2014  
Brian A Pearl  
Burnstead

51 ft. drilling @ 4.00	204.00
44 " casing @ 2.25	99.00
22 " 1 1/2 in pipe thread.	13.20
Time on pump.	4.00
	<hr/>
	320.20
By Cash.	100.00
	<hr/>
	220.20



**WELL INFORMATION REQUEST FORM  
PROPOSED BUMSTEAD PIT  
PART LOT 27 CONCESSION 7, TOWNSHIP OF CHATSWORTH**

**STEP 1 – GENERAL INFORMATION**

Name of Owner: H. W. MACHO  
Name of Occupant: \_\_\_\_\_  
Phone Number of Owner: 519-370-8471  
Lot/Concession: 222 ft. EAST HALF C.7  
Fire Number (if applicable): 584161

MAILING ADDRESS: 584161 SR.60  
HOLLAND CTR. DR  
MOH 1R0  
PROPERTY ADDRESS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

E-mail address: \_\_\_\_\_

**STEP 2 – WELL CONSTRUCTION DETAILS**

Please provide as much of the following information as possible regarding the well(s) on your property. If you have more than one well, please indicate information as pertains to each well:

Date Constructed: 1974  
Contractor: WRIGHT WELL DRILL  
Type of Well (please check): Drilled  Dug  KEP WORTH  
Original Well Depth: 90' 5"  
Well Diameter: \_\_\_\_\_  
Type of well/source of water (please check): Bedrock  Overburden  CHECK W/W RIGHT  
Name of past property owner(s): N/A  
Well usage: Domestic  Irrigation  Livestock  Other: \_\_\_\_\_  
MOE Well Number: \_\_\_\_\_

1. Have you ever had any water supply *quantity* or water *quality* issues in the past? If so please describe: (frequency, duration, appearance, odour, taste, etc.)  
NEVER

2. Do you have a copy of the well record provided by the drilling contractor: YES  NO   
(if possible, please provide a copy of the well record)

3. Do you have a water treatment system? If so, please describe:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**STEP 3 –**

Please provide the name and signature of the person who completed this form below:

H. H. MACHO

(Name – Please print)

H. H. Macho

(Signature)

--It will be assumed that a form not returned is an indication of not being interested--

PLEASE RETURN THE FORM TO GAMSBY AND MANNEROW IN THE ENCLOSED  
SELF-ADDRESSED POSTAGE-PAID ENVELOPE, FAX TO 519-376-8977 OR VIA EMAIL  
TO [mnelson@gamsby.com](mailto:mnelson@gamsby.com)



**WELL INFORMATION REQUEST FORM  
PROPOSED BUMSTEAD PIT  
PART LOT 27 CONCESSION 7, TOWNSHIP OF CHATSWORTH**

**STEP 1 - GENERAL INFORMATION**

Name of Owner: Gregory Elchuk  
Name of Occupant: Gregory Elchuk  
Phone Number of Owner: 519-986-4946  
Lot/Concession: \_\_\_\_\_  
Fire Number (if applicable): 580025 Sideroad 60

MAILING ADDRESS:  
580025 Sideroad 60  
RR#17 Markdale, ONT  
NOC 240

PROPERTY ADDRESS:  
Same as Mailing

E-mail address: CrazyScarecrow@hotmail.com

**STEP 2 - WELL CONSTRUCTION DETAILS** *(only lived here 1 year and we do not have any documents)*

Please provide as much of the following information as possible regarding the well(s) on your property. If you have more than one well, please indicate information as pertains to each well:

Date Constructed: unknown  
Contractor: unknown  
Type of Well (please check): Drilled  Dug  Unknown  
Original Well Depth: unknown  
Well Diameter: unknown  
Type of well/source of water (please check): Bedrock  Overburden  unknown  
Name of past property owner(s): Barry & Vivien Tolton  
Well usage: Domestic  Irrigation  Livestock  Other: \_\_\_\_\_  
MOE Well Number: unknown

1. Have you ever had any water supply *quantity* or water *quality* issues in the past? If so please describe: (frequency, duration, appearance, odour, taste, etc.)  
None known only lived here 1 year.

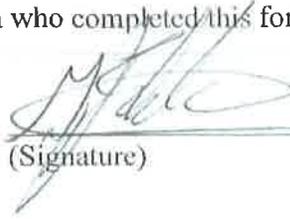
2. Do you have a copy of the well record provided by the drilling contractor: YES  NO   
(if possible, please provide a copy of the well record)

3. Do you have a water treatment system? If so, please describe:  
No, only have water softener installed by previous owner but is bypassed at present

**STEP 3 -**

Please provide the name and signature of the person who completed this form below:

Gregory Elchuk  
(Name - Please print)

  
(Signature)

--It will be assumed that a form not returned is an indication of not being interested--

PLEASE RETURN THE FORM TO GAMSBY AND MANNEROW IN THE ENCLOSED  
SELF-ADDRESSED POSTAGE-PAID ENVELOPE, FAX TO 519-376-8977 OR VIA EMAIL  
TO [mnelson@gamsby.com](mailto:mnelson@gamsby.com)

My signature on this form does not  
indicate that I am in support of  
this application or the proposed  
Bumstead Gravel Pit because I do  
not support it.

Please verify receipt and review  
via my e-mail.

Thank you



1 PRINT ONLY IN SPACES PROVIDED  
2 CHECK  CORRECT BOX WHERE APPLICABLE

2510065

250.00 SAW 193

COUNTY OR DISTRICT: **BRF** TOWNSHIP: **HOLLAND** CON. BLOCK (TRACT SURVEY ETC): **3** LOT: **60**  
 DATE COMPLETED: DAY **3** MO **8** YR **89**  
 ELEVATION: **10328** AC **1330** BASIN CODE: **10328**

**LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)**

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
	TOPSOIL			0	2
	BROWN HARD PAN			2	79
	BROWN LIMESTONE ROCK			79	170

31 \_\_\_\_\_  
32 \_\_\_\_\_

**41 WATER RECORD**

WATER FOUND AT - FEET	KIND OF WATER
14.5	<input checked="" type="checkbox"/> FRESH <input type="checkbox"/> SALTY <input type="checkbox"/> SULPHUR <input type="checkbox"/> MINERALS <input type="checkbox"/> GAS
70	<input type="checkbox"/> FRESH <input type="checkbox"/> SALTY <input type="checkbox"/> SULPHUR <input type="checkbox"/> MINERALS <input type="checkbox"/> GAS
170	<input checked="" type="checkbox"/> FRESH <input type="checkbox"/> SALTY <input type="checkbox"/> SULPHUR <input type="checkbox"/> MINERALS <input type="checkbox"/> GAS
	<input type="checkbox"/> FRESH <input type="checkbox"/> SALTY <input type="checkbox"/> SULPHUR <input type="checkbox"/> MINERALS <input type="checkbox"/> GAS
	<input type="checkbox"/> FRESH <input type="checkbox"/> SALTY <input type="checkbox"/> SULPHUR <input type="checkbox"/> MINERALS <input type="checkbox"/> GAS

**51 CASING & OPEN HOLE RECORD**

DEPTH - FEET	MATERIAL	WELL TYPE	DEPTH - FEET
0	1 <input checked="" type="checkbox"/> STEEL	188	0 84
84	2 <input type="checkbox"/> GALVANIZED		84 170
170	3 <input type="checkbox"/> CONCRETE		
	4 <input type="checkbox"/> OPEN HOLE		
	5 <input type="checkbox"/> PLASTIC		

**SCREEN**

DEPTH SET AT - FEET	MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN - FEET

**61 PLUGGING & SEALING RECORD**

DEPTH SET AT - FEET	MATERIAL AND TYPE	SEMENT GRADE / LEAD-PACKER ETC.

**71 PUMPING TEST**

PUMPING TEST METHOD:  PUMP  AIR

WATER LEVELS DURING PUMPING:

STATIC LEVEL	WATER LEVELS END OF PUMPING	WATER LEVELS DURING PUMPING	WATER AT END OF TEST
60	130	80	62
		60	60

RECOMMENDED PUMP TYPE:  SHALLOW  DEEP

RECOMMENDED PUMP SETTING: 160 FEET

RECOMMENDED PUMP RATE: 4

**LOCATION OF WELL**

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE - INDICATE NORTH BY ARROW

# 10 HWY

BERKEEY

62730

**FINAL STATUS OF WELL**

WATER SUPPLY  OBSERVATION WELL  TEST HOLE  RECHARGE WELL  ABANDONED INSUFFICIENT SUPPLY  ABANDONED POOR QUALITY  UNFINISHED  DEWATERING

**WATER USE**

DOMESTIC  STOCK  IRRIGATION  INDUSTRIAL  OTHER

COMMERCIAL  MUNICIPAL  PUBLIC SUPPLY  COOLING OR AIR CONDITIONING  NOT USED

**METHOD OF CONSTRUCTION**

CABLE TOOL  ROTARY (CONVENTIONAL)  ROTARY (REVERSE)  ROTARY (AIR)  AIR PERCUSSION  BORING  DIAMOND  JETTING  DRIVING  DIGGING  OTHER

**CONTRACTOR**

NAME OF WELL CONTRACTOR: **DURHAM DRILLING ENT NO 1804**

WELL CONTRACTOR'S LICENCE NUMBER: **1804**

NAME OF WELL TECHNICIAN: **JACKSON MAHER**

WELL TECHNICIAN'S LICENCE NUMBER: **1804**

SIGNATURE OF TECHNICIAN/CONTRACTOR: *[Signature]*

DATE: **8** MO **8** YR **89**

**OFFICE USE ONLY**

DATE RECEIVED: **1804 AUG 14 1989**

DATE OF INSPECTION: \_\_\_\_\_

INSPECTOR: \_\_\_\_\_

REMARKS: \_\_\_\_\_

SS SA

**WELL INFORMATION REQUEST FORM  
PROPOSED BUMSTEAD PIT  
PART LOT 27 CONCESSION 7, TOWNSHIP OF CHATSWORTH**

**STEP 1 – GENERAL INFORMATION**

Name of Owner: Naohiko Kurita and Anne-Marie Kurita  
Name of Occupant: "  
Phone Number of Owner: 519-986-1357  
Lot/Concession: \_\_\_\_\_  
Fire Number (if applicable): \_\_\_\_\_

**MAILING ADDRESS:**

584022 SDRD. 60  
G.D. Berkeley  
ON N0H 1C6

**PROPERTY ADDRESS:**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

E-mail address: \_\_\_\_\_

**STEP 2 – WELL CONSTRUCTION DETAILS**

Please provide as much of the following information as possible regarding the well(s) on your property. If you have more than one well, please indicate information as pertains to each well:

Date Constructed: \_\_\_\_\_  
Contractor: \_\_\_\_\_  
Type of Well (please check): Drilled  Dug   
Original Well Depth: \_\_\_\_\_  
Well Diameter: \_\_\_\_\_  
Type of well/source of water (please check): Bedrock  Overburden   
Name of past property owner(s): \_\_\_\_\_  
Well usage: Domestic  Irrigation  Livestock  Other: \_\_\_\_\_  
MOE Well Number: \_\_\_\_\_

1. Have you ever had any water supply *quantity* or water *quality* issues in the past? If so please describe: (frequency, duration, appearance, odour, taste, etc.)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. Do you have a copy of the well record provided by the drilling contractor: YES  NO   
(if possible, please provide a copy of the well record)

3. Do you have a water treatment system? If so, please describe:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**STEP 3 –**

Please provide the name and signature of the person who completed this form below:

\_\_\_\_\_  
(Name – Please print)

\_\_\_\_\_  
(Signature)

--It will be assumed that a form not returned is an indication of not being interested--

PLEASE RETURN THE FORM TO GAMSBY AND MANNEROW IN THE ENCLOSED  
SELF-ADDRESSED POSTAGE-PAID ENVELOPE, FAX TO 519-376-8977 OR VIA EMAIL  
TO [mnelson@gamsby.com](mailto:mnelson@gamsby.com)

Matthew Nelson, P.Eng. P. Geo  
Gamsby And Mannerow Limited  
Owen Sound, Ontario

March 25, 2014

Dear Mr. Nelson,

We have indicated on the attached survey that we have one drilled well and one dug well.

We have no documents which would answer the questions about the drilled well. Except the results of regular testing that show consistent absence of coliforms and E coli. Clean, fresh tasting water is delivered with consistent high levels without interruptions.

The dug well is under 3 feet of snow. In the summer, it is under 3 feet of water, located in a pond. The pond level drops in late August or early September, sufficient to examine it's features. It is within 500 metres of the licenced boundary of the proposed Bumstead Pit. It is architecturally archaic and most likely built during early settlement times. Still sound and of good use when needed.

In their comments to Cuesta, the Ministry of the Environment gives specific instructions that "shallow dug wells.....be further investigated through, as a minimum, a door to door survey to provide the assurance required. Should shallow wells be found to exist, the requirement of the installation of additional shallow monitoring wells should be reassessed. ...."

Please make arrangements to have a site examination of our dug well by your technical experts, employed by yourselves, Gamsby & Mannerow.

We expect to be notified and be present during any visit for that purpose. Until then, it is not appreciated that any person (s), the proponent or their consultants, make unauthorised entry to our property at any point for any purpose in the planning or supporting of the ARA application. As we do not have a road side mail box, all mail should be directed to us at our mailing address below, through the services of Canada Post.

This letter explicitly and most emphatically indicates our interest in all matters to do with the protection and preservation of the lands and waters of our home and all life which is sustained therein.

Yours truly,

Naohiko and Anne Kurita  
584022 Sideroad 60  
G.D. Berkeley  
ON N0H 1C0

cc. Jason McLay (MNR)  
Scott Taylor (Grey County)  
Township of Chatsworth  
Bill Armstrong M.E.S. (MOE)



Matthew Nelson, P.Eng. P. Geo  
Gamsby And Mannerow Limited  
Owen Sound, Ontario

March 25, 2014

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Yours truly,

  
Naohiko and Anne Kurita

584022 Sideroad 60  
G.D. Berkeley  
ON N0H 1C0



cc. Jason McLay (MNR)  
Scott Taylor (Grey County)  
Township of Chatsworth  
Bill Armstrong M.E.S. (MOE)



# The Ontario Water Resources Commission Act WATER WELL RECORD

41A70C

Water management in Ontario 1 PRINT ONLY IN SPACES PROVIDED  
2 CHECK  CORRECT BOX WHERE APPLICABLE

11 2563209

MUNICIPALITY 25008 WEST 1/2 Q 07

COUNTY OR DISTRICT Steele TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE Holland CON. BLOCK, TRACT, SURVEY, ETC. 7-E.G.R. LOT NO. 028

R. J. Holland Centre DATE COMPLETED June 70

ELEVATION 1360 BASIN CODE 23

## LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
<u>stones and soil</u>				0	57'
<u>white lime stone</u>				57'	130'
<u>blue lime stone</u>				130'	145'
<u>brown lime stone</u>				145'	155'

31 0057/1225 0130/115 0145/115 0155/115

32

<p>41 WATER RECORD</p> <p>WATER SHED NO. <u>0075</u></p> <p>KIND OF WATER</p> <p><input checked="" type="checkbox"/> FRESH <input type="checkbox"/> SALTY <input type="checkbox"/> SULPHUR <input type="checkbox"/> MINERAL</p> <p><input type="checkbox"/> FRESH <input type="checkbox"/> SALTY <input type="checkbox"/> SULPHUR <input type="checkbox"/> MINERAL</p> <p><input type="checkbox"/> FRESH <input type="checkbox"/> SALTY <input type="checkbox"/> SULPHUR <input type="checkbox"/> MINERAL</p> <p><input type="checkbox"/> FRESH <input type="checkbox"/> SALTY <input type="checkbox"/> SULPHUR <input type="checkbox"/> MINERAL</p>	<p>51 CASING &amp; OPEN HOLE RECORD</p> <p>WALL THICKNESS INCHES <u>188</u></p> <p>DEPTH - FEET</p> <p>FROM <u>0</u> TO <u>58'</u></p> <p>MATERIAL AND TYPE</p> <p><input checked="" type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE <input type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE</p>	<p>61 PLUGGING &amp; SEALING RECORD</p> <p>DEPTH SET AT - FEET</p> <p>FROM <u>10-11</u> TO <u>14-11</u></p> <p>MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)</p>
--	---	--

7 PUMPING TEST METHOD  PUMP  BAILER

PUMPING RATE 0025 GPM

DURATION OF PUMPING 01 HOURS 30 MINS

STATIC LEVEL 050 FEET

WATER LEVEL END OF PUMPING 090 FEET

WATER LEVELS DURING

15 MINUTES 26-28 FEET

30 MINUTES 27-31 FEET

45 MINUTES 12-34 FEET

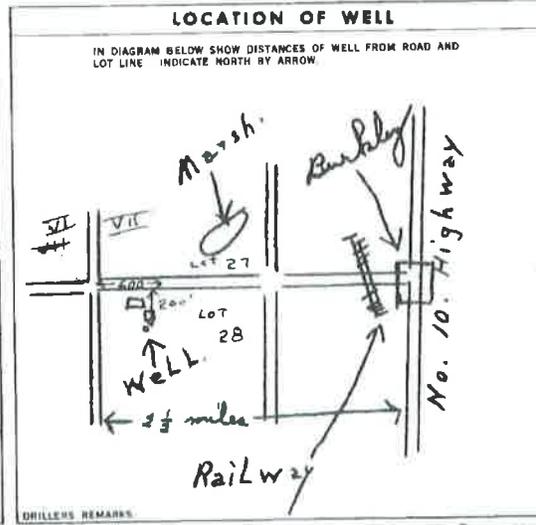
60 MINUTES 35-37 FEET

RECOMMENDED PUMP TYPE  SHALLOW  DEEP

RECOMMENDED PUMP SETTING 100 FEET

RECOMMENDED PUMPING RATE 0022 GPM

SPCC 0006 GPM/FT. SPECIFIC CAPACITY



FINAL STATUS OF WELL

WATER SUPPLY  OBSERVATION WELL  TEST HOLE  RECHARGE WELL

ABANDONED, INSUFFICIENT SUPPLY  ABANDONED, POOR QUALITY  UNFINISHED

WATER USE 01

DOMESTIC  STOCK  IRRIGATION  INDUSTRIAL  OTHER

COMMERCIAL  MUNICIPAL  PUBLIC SUPPLY  CODLING OR AIR CONDITIONING  NOT USED

METHOD OF DRILLING

CABLE TOOL  ROTARY (CONVENTIONAL)  ROTARY (REVERSE)  ROTARY (AIR)  AIR PERCUSSION

BORING  DIAMOND  JETTING  DRIVING

CONTRACTOR NAME OF WELL CONTRACTOR Orville Wright LICENSE NUMBER 5506

ADDRESS Stuarton

NAME OF DRILLER OR BORER Ron & Orville LICENSE NUMBER 5506

SIGNATURE OF CONTRACTOR Orville Wright SUBMISSION DATE DAY 2 MO June YR 70

OFFICE USE ONLY

DATA SOURCE 1 CONTRACTOR 5506 DATE 260670

DATE OF INSTALLATION 15/6/70 INSPECTOR P/E

REMARKS:

OWRC COPY

**WELL INFORMATION REQUEST FORM  
PROPOSED BUMSTEAD PIT  
PART LOT 27 CONCESSION 7, TOWNSHIP OF CHATSWORTH**

**STEP 1 – GENERAL INFORMATION**

Name of Owner: Richard + Joanne Bickley  
Name of Occupant: Richard + Joanne Bickley  
Phone Number of Owner: 519-986-4242  
Lot/Concession: Con 6 Part Lot 27  
Fire Number (if applicable): 495504

**MAILING ADDRESS:**

495504 Veterans Rd S  
RR 2 Holland Centre, ON  
N0H 1R0

**PROPERTY ADDRESS:**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

E-mail address: \_\_\_\_\_

**STEP 2 – WELL CONSTRUCTION DETAILS**

Please provide as much of the following information as possible regarding the well(s) on your property. If you have more than one well, please indicate information as pertains to each well:

Date Constructed: \_\_\_\_\_  
Contractor: \_\_\_\_\_  
Type of Well (please check): Drilled  Dug   
Original Well Depth: \_\_\_\_\_  
Well Diameter: \_\_\_\_\_  
Type of well/source of water (please check): Bedrock  Overburden   
Name of past property owner(s): Goodley  
Well usage: Domestic  Irrigation  Livestock  Other: \_\_\_\_\_  
MOE Well Number: \_\_\_\_\_

1. Have you ever had any water supply *quantity* or water *quality* issues in the past? If so please describe: (frequency, duration, appearance, odour, taste, etc.)  
Absolutely no problem with water supply quantity or water quality.

2. Do you have a copy of the well record provided by the drilling contractor: YES  NO   
(if possible, please provide a copy of the well record)

3. Do you have a water treatment system? If so, please describe:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**STEP 3 -**

Please provide the name and signature of the person who completed this form below:

\_\_\_\_\_  
(Name - Please print)

\_\_\_\_\_  
(Signature)

--It will be assumed that a form not returned is an indication of not being interested--

PLEASE RETURN THE FORM TO GAMSBY AND MANNEROW IN THE ENCLOSED  
SELF-ADDRESSED POSTAGE-PAID ENVELOPE, FAX TO 519-376-8977 OR VIA EMAIL  
TO [mnelson@gamsby.com](mailto:mnelson@gamsby.com)

I am definitely interested in our water/well situation as pertains to the Burnstead Pit application. I, in no way, support this application and cannot understand how your company can make assumptions and expect someone who objects to this pit to supply information to support the proponents plan. I am afraid that your company will have to do its job and find the missing information itself as I really don't know any more.

Joanne Bickley  
Joanne Bickley



Ministry of the Environment  
Ontario

The Ontario Water Resources Act

# WATER WELL RECORD

2511009 25008 COM 06

1 PRINT ONLY IN SPACES PROVIDED  
2 CHECK  CORRECT BOX WHERE APPLICABLE

COUNTY OR DISTRICT: *Grey* TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: *Holland* CON. BLOCK, TRACT, SURVEY, ETC.: *Con 6, Part 1 of* LOT: *27*  
ADDRESS: *Holland Centre* DATE COMPLETED: DAY *20* MO *09* YR *10*

*17 518575 4409878 1310*

## LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH FEET	
				FROM	TO
<i>Yellow</i>	<i>Gravel &amp; Sand</i>			<i>0</i>	<i>38</i>
<i>Grey</i>	<i>Limestone</i>			<i>38</i>	<i>140</i>

31  
32

**41 WATER RECORD**

WATER FOUND AT - FEET	KIND OF WATER
<i>60-80</i> <i>140</i>	<input checked="" type="checkbox"/> FRESH <input type="checkbox"/> SULPHUR <input type="checkbox"/> SALTY <input type="checkbox"/> MINERAL
	<input type="checkbox"/> FRESH <input type="checkbox"/> SULPHUR <input type="checkbox"/> SALTY <input type="checkbox"/> MINERAL
	<input type="checkbox"/> FRESH <input type="checkbox"/> SULPHUR <input type="checkbox"/> SALTY <input type="checkbox"/> MINERAL
	<input type="checkbox"/> FRESH <input type="checkbox"/> SULPHUR <input type="checkbox"/> SALTY <input type="checkbox"/> MINERAL
	<input type="checkbox"/> FRESH <input type="checkbox"/> SULPHUR <input type="checkbox"/> SALTY <input type="checkbox"/> MINERAL

**51 CASING & OPEN HOLE RECORD**

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH FEET	
			FROM	TO
<i>5 7/8</i> <i>16</i>	<input checked="" type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE	<i>188</i>	<i>0</i>	<i>4 1/2</i>
	<input type="checkbox"/> STEEL <input type="checkbox"/> GALVANIZED <input type="checkbox"/> CONCRETE <input type="checkbox"/> OPEN HOLE		<i>44</i>	<i>140</i>

**SCREEN**

SIEVE NO.	DIAMETER INCHES	LENGTH FEET

**61 PLUGGING & SEALING RECORD**

DEPTH SET AT FEET	MATERIAL AND TYPE	AGENCY GROUP LEAD PACKER, ETC.

**71 PUMPING TEST**

PUMPING TEST METHOD:  PUMP  BAILER

PUMPING RATE: *10* GPM

STATIC LEVEL: *28* FEET

WATER LEVELS DURING PUMPING:

15 MINUTES: <i>28</i> FEET	30 MINUTES: <i>28</i> FEET	45 MINUTES: <i>28</i> FEET	60 MINUTES: <i>28</i> FEET
----------------------------	----------------------------	----------------------------	----------------------------

PUMP INTAKE SET AT: *Feet 140*

RECOMMENDED PUMP TYPE:  SHALLOW  DEEP

RECOMMENDED PUMP SETTING: *110* FEET

**LOCATION OF WELL**

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.

DRILLER'S REMARKS:

**FINAL STATUS OF WELL**

WATER SUPPLY  ABANDONED, INSUFFICIENT SUPPLY  
 OBSERVATION WELL  ABANDONED POOR QUALITY  
 TEST HOLE  UNFINISHED  
 RECHARGE WELL

**WATER USE**

DOMESTIC  COMMERCIAL  
 STOCK  MUNICIPAL  
 IRRIGATION  PUBLIC SUPPLY  
 INDUSTRIAL  COOLING OR AIR CONDITIONING  
 OTHER  NOT USED

**METHOD OF DRILLING**

CABLE TOOL  BORING  
 ROTARY (CONVENTIONAL)  DIAMOND  
 ROTARY (REVERSE)  JETTING  
 ROTARY (AIR)  DRIVING  
 AIR PERCUSSION

**CONTRACTOR**

NAME OF WELL CONTRACTOR: *Wm Wright Well Drillers Ltd* LICENCE NUMBER: *5507*

ADDRESS: *204 167 1/2 Spadina Ave*

NAME OF DRILLER OR BORER: *Wm Wright* LICENCE NUMBER: *T-0221*

SIGNATURE OF CONTRACTOR: *William Wright* SUBMISSION DATE: \_\_\_\_\_

**OFFICE USE ONLY**

DATE RECEIVED: *NOV 22 1990*

CONTRACTOR: *5507*

DATE OF INSPECTION: \_\_\_\_\_

INSPECTION: \_\_\_\_\_

REMARKS: *Submersible Pump Installed by Wm Wright a Well Drillers Ltd Spadina*

**WELL INFORMATION REQUEST FORM  
PROPOSED BUMSTEAD PIT  
PART LOT 27 CONCESSION 7, TOWNSHIP OF CHATSWORTH**

**STEP 1 – GENERAL INFORMATION**

Name of Owner: STUART & SARON HYDE  
Name of Occupant: "  
Phone Number of Owner: 519-986-2046  
Lot/Concession: CONG PLOT 27 RP 16 R 4356  
Fire Number (if applicable): 495498 VETERANS RD. S.

**MAILING ADDRESS:**

495498 VETERANS RD. S.  
R. 2  
HOLLAND CENTRE NORTH

**PROPERTY ADDRESS:**

CONCG PLOT 27 RP 16 R 4356  
PART 2  
REG  
~~REG~~

E-mail address: \_\_\_\_\_

**STEP 2 – WELL CONSTRUCTION DETAILS**

Please provide as much of the following information as possible regarding the well(s) on your property. If you have more than one well, please indicate information as pertains to each well:

Date Constructed: \_\_\_\_\_  
Contractor: \_\_\_\_\_  
Type of Well (please check): Drilled  Dug  *DRILLED WELL*  
Original Well Depth: \_\_\_\_\_  
Well Diameter: \_\_\_\_\_  
Type of well/source of water (please check): Bedrock  Overburden   
Name of past property owner(s): \_\_\_\_\_  
Well usage: Domestic  Irrigation  Livestock  Other: \_\_\_\_\_  
MOE Well Number: \_\_\_\_\_

1. Have you ever had any water supply *quantity* or water *quality* issues in the past? If so please describe: (frequency, duration, appearance, odour, taste, etc.)

NO PROBLEM.

2. Do you have a copy of the well record provided by the drilling contractor: YES  NO   
(if possible, please provide a copy of the well record)

3. Do you have a water treatment system? If so, please describe:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**STEP 3 -**

Please provide the name and signature of the person who completed this form below:

\_\_\_\_\_  
(Name - Please print)

\_\_\_\_\_  
(Signature)

--It will be assumed that a form not returned is an indication of not being interested--

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SELF-ADDRESSED POSTAGE-PAID ENVELOPE, FAX TO 519-376-8977 OR VIA EMAIL  
TO [mnelson@gamsby.com](mailto:mnelson@gamsby.com)

I DO NOT SUPPORT THIS APPLICATION

YOU NEED TO DO THIS JOB

I AM AGAINST THIS APPLICATION

*Sharon Hyde*

SHARON HYDE

I ALSO UNDERSTAND THIS WAS  
DELIVERED BY THE BUMSTEADS  
A NO NO.



Ministry of the Environment

Well Tag Number (Please check and print number below) A043701

Well No 7035895 Well Record Regulation 903 Ontario Water Resources Act

page \_\_\_ of \_\_\_

Instructions for Completing Form

- For use in the Province of Ontario only. This document is a permanent legal document. Please retain for future reference. All Sections must be completed in full to avoid delays in processing. Further instructions and explanations are available on the back of this form. Questions regarding completing this application can be directed to the Water Well Management Coordinator at 416-235-6203. All metre measurements shall be reported to 1/10th of a metre. Please print clearly in blue or black ink only.

Well Owner's Information and Location of Well Information



RR#/Street Number/Name, City/Town/Village, Site/Compartment/Block/Tract etc., GPS Reading, NAD, Zone, Easting, Northing, Unit Make/Model, Mode of Operation, Differentiated, Averaged

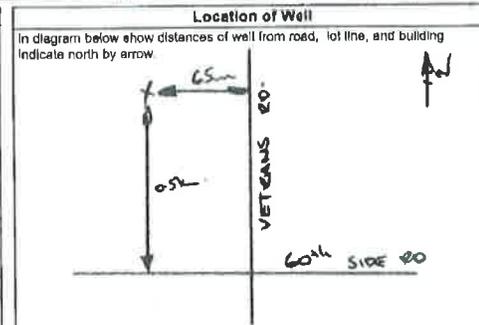
Log of Overburden and Bedrock Materials (see instructions). Table with columns: General Colour, Most common material, Other Materials, General Description, Depth From, Metres To. Includes entries for TOP SOIL, BROWN SAND, GRAY CLAY, Limestone, GRAVEL.

Hole Diameter, Water Record, Chlorinated. Includes fields for Depth, Metres, Diameter, Kind of Water, Fresh/Salty/Mineral, Sulfur, etc.

Construction Record. Table with columns: Inside diam, Material, Wall thickness, Depth, Metres. Includes sections for Casing and Screen.

Test of Well Yield. Table with columns: Pumping test method, Draw Down, Recovery. Includes fields for Pump intake, Pumping rate, Duration of pumping, Final water level, etc.

Plugging and Sealing Record, Method of Construction, Water Use, Final Status of Well. Includes fields for Depth set at, Material and type, Rotary (air), etc.



Well Contractor/Technician Information. Includes Name of Well Contractor (HIGHLAND WATER WELLS), Well Contractor's Licence No (2576), Name of Well Technician (POPPLETON, ANNE), etc.

Audit No (2 48858), Date Well Completed (2006), Was the well owner's information package delivered? (Yes/No)

Ministry Use Only. Includes Date Source (OCT 27 2006), Contractor (2576), Date of Inspection, Well Record Number.

**WELL INFORMATION REQUEST FORM  
PROPOSED BUMSTEAD PIT  
PART LOT 27 CONCESSION 7, TOWNSHIP OF CHATSWORTH**

**STEP 1 – GENERAL INFORMATION**

Name of Owner: Don & Doris Sowerby  
Name of Occupant: Don & Doris Sowerby  
Phone Number of Owner: 519-986-2558  
Lot/Concession: CON. 6 PT LOT 27 RP 16R 4356  
Fire Number (if applicable): 495492

MAILING ADDRESS:  
495492 Veterans Rd South  
Holland Centre, On  
N0H 1R0

PROPERTY ADDRESS:  
495492 Veterans Rd South  
Holland Centre, On  
N0H 1R0

E-mail address: dsowerby59@gmail.com

**STEP 2 – WELL CONSTRUCTION DETAILS**

Please provide as much of the following information as possible regarding the well(s) on your property. If you have more than one well, please indicate information as pertains to each well:

Date Constructed: June 26/2007  
Contractor: Durham Well Drilling  
Type of Well (please check): Drilled  Dug   
Original Well Depth: \_\_\_\_\_  
Well Diameter: 6"  
Type of well/source of water (please check): Bedrock  Overburden   
Name of past property owner(s): Newly Built Home  
Well usage: Domestic  Irrigation  Livestock  Other: \_\_\_\_\_  
MOE Well Number: \_\_\_\_\_

1. Have you ever had any water supply *quantity* or water *quality* issues in the past? If so please describe: (frequency, duration, appearance, odour, taste, etc.)

None - water is perfect

2. Do you have a copy of the well record provided by the drilling contractor: YES  NO   
(if possible, please provide a copy of the well record)

3. Do you have a water treatment system? If so, please describe:  
No

**STEP 3 –**

Please provide the name and signature of the person who completed this form below:

Dennie Keith Sowerby  
(Name – Please print)

Don Sowerby  
(Signature)

--It will be assumed that a form not returned is an indication of not being interested--

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SELF-ADDRESSED POSTAGE-PAID ENVELOPE, FAX TO 519-376-8977 OR VIA EMAIL  
TO [mnelson@gamsby.com](mailto:mnelson@gamsby.com)



Well Tag **A 057155** or below  
*A 057155*

Instructions for Completing Form

- For use in the **Province of Ontario** only. This document is a permanent **legal** document. Please retain for future reference.
- All Sections **must** be completed in full to avoid delays in processing. Further instructions and explanations are available on the back of this form.
- Questions regarding completing this application can be directed to the Water Well Help Desk (Toll Free) at 1-888-396-9355.
- **All metre measurements shall be reported to 1/10<sup>th</sup> of a metre.**
- Please print clearly in blue or black ink only.

<b>Well Owner's Information and Location of Well Information</b>				<b>Ministry Use Only</b>			
MUN		CON		LOT			
First Name	Last Name	Mailing Address (Street Number/Name, RR, Lot, Concession)					
County/District/Municipality		Township/City/Town/Village		Province	Postal Code	Telephone Number (include area code)	
Address of Well Location (County/District/Municipality)				Township	Lot	Concession	
RR#/Street Number/Name				City/Town/Village		Site/Compartment/Block/Tract etc	
GPS Reading	NAD	Zone	Easting	Northing	Unit Make/Model	Mode of Operation: <input type="checkbox"/> Undifferentiated <input checked="" type="checkbox"/> Averaged <input type="checkbox"/> Differentiated, specify	

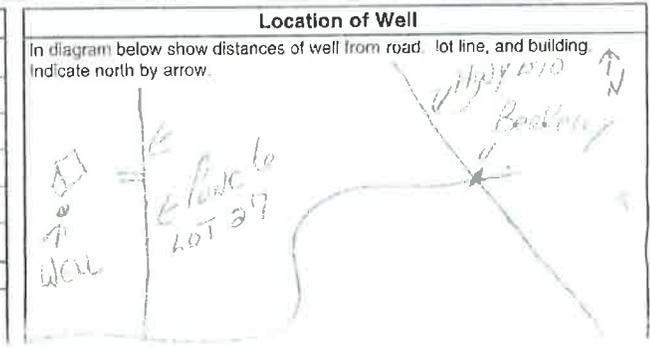
Log of Overburden and Bedrock Materials (see instructions)				Depth From	Metres To
General Colour	Most common material	Other Materials	General Description		
		STONES		0	2.5
		Thin stones		2	2.5
		bedrock		32	145

Hole Diameter		
Depth From	Metres To	Diameter Centimetres
0	2.0	100
2.0	2.4	100
2.4	145.1	100
Water Record		
Water found at	Kind of Water	
0 m	Fresh	Sulphur
Gas	Salty	Minerals
Other:		
0 m	Fresh	Sulphur
Gas	Salty	Minerals
Other:		
After test of well yield, water was		
Clear and sediment free		
Other, specify		
Chlorinated	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

Construction Record					
Inside diam centimetres	Material	Wall thickness centimetres	Depth From	Metres To	
Casing					
	<input checked="" type="checkbox"/> Steel <input type="checkbox"/> Fibreglass				
	<input type="checkbox"/> Plastic <input type="checkbox"/> Concrete				
	<input type="checkbox"/> Galvanized				
	<input checked="" type="checkbox"/> Steel <input type="checkbox"/> Fibreglass				
	<input type="checkbox"/> Plastic <input type="checkbox"/> Concrete				
	<input type="checkbox"/> Galvanized				
Screen					
Outside diam	<input type="checkbox"/> Steel <input type="checkbox"/> Fibreglass	Slot No			
	<input type="checkbox"/> Plastic <input type="checkbox"/> Concrete				
	<input type="checkbox"/> Galvanized				
No Casing or Screen					
	<input type="checkbox"/> Open hole				

Test of Well Yield					
Pumping test method	Draw Down		Recovery		
	Time min	Water Level Metres	Time min	Water Level Metres	
Pump intake set at (metres)	145				
Pumping rate (litres/min)	1	82	1	93	
Duration of pumping	2	89	2	86	
Final water level end of pumping (metres)	3	96	3	77	
Recommended pump type	4	100	4	75	
Recommended pump depth (metres)	5		5		
Recommended pump rate (litres/min)	10		10		
If flowing give rate (litres/min)	15		15		
	20		20		
	25		25		
If pumping discontinued, give reason.	30		30		
	40		40		
	50		50		
	60		60		

Plugging and Sealing Record				<input checked="" type="checkbox"/> Annular space <input type="checkbox"/> Abandonment
Depth set at - Metres From	To	Material and type (bentonite slurry, neat cement slurry) etc	Volume Placed (cubic metres)	
0	2.5	30% bentonite slurry		
		100% cement slurry		
Method of Construction				
<input type="checkbox"/> Cable Tool	<input type="checkbox"/> Rotary (air)	<input type="checkbox"/> Diamond	<input type="checkbox"/> Digging	
<input type="checkbox"/> Rotary (water/foam)	<input type="checkbox"/> Auger	<input type="checkbox"/> Lifting	<input type="checkbox"/> Other	



centimetres		centimetres	From	To		min	metres	min	metres
<b>Casing</b>						Pump intake set at (metres) <i>142</i>	Static Level <i>75 FT</i>		<i>100 FT</i>
<input checked="" type="checkbox"/> Steel <input type="checkbox"/> Fibreglass <input type="checkbox"/> Plastic <input type="checkbox"/> Concrete <input type="checkbox"/> Galvanized					<i>188</i>	<i>0</i>	<i>24 FT</i>		
<input type="checkbox"/> Steel <input type="checkbox"/> Fibreglass <input type="checkbox"/> Plastic <input type="checkbox"/> Concrete <input type="checkbox"/> Galvanized									
<input type="checkbox"/> Steel <input type="checkbox"/> Fibreglass <input type="checkbox"/> Plastic <input type="checkbox"/> Concrete <input type="checkbox"/> Galvanized									
<b>Screen</b>									
Outside diam					<input type="checkbox"/> Steel <input type="checkbox"/> Fibreglass	Slot No.			
					<input type="checkbox"/> Plastic <input type="checkbox"/> Concrete				
					<input type="checkbox"/> Galvanized				
<b>No Casing or Screen</b>									
<input type="checkbox"/> Open hole					<i>24</i>	<i>145 FT</i>			

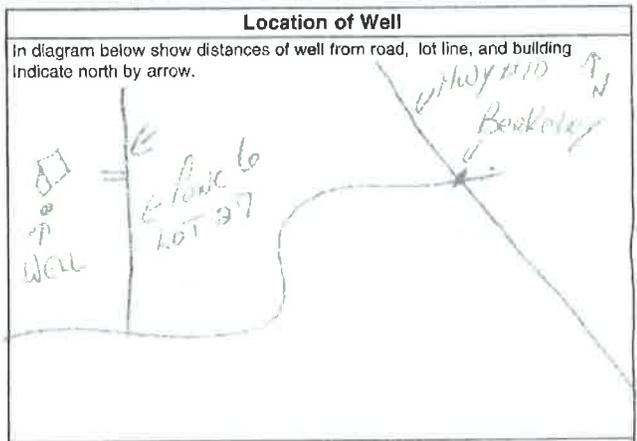
  

<b>Water Record</b>	
Water found at Metres	Kind of Water
<i>24</i>	Fresh Sulphur Salty Minerals
Gas Other	
<input type="checkbox"/> Fresh <input type="checkbox"/> Sulphur <input type="checkbox"/> Salty <input type="checkbox"/> Minerals	
Gas Other	
<input type="checkbox"/> Fresh <input type="checkbox"/> Sulphur <input type="checkbox"/> Salty <input type="checkbox"/> Minerals	
Gas Other	
After test of well yield, water was Clear and sediment free Other, specify <i>clear</i>	
Chlorinated <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

Pumping rate (litres/min)	1	<i>82</i>	1	<i>93</i>
Duration of pumping	2	<i>89</i>	2	<i>86</i>
Final water level end of pumping	3	<i>96</i>	3	<i>79</i>
Recommended pump type	4	<i>100 FT</i>	4	<i>75 FT</i>
Recommended pump depth	5		5	
Recommended pump rate (litres/min)	10		10	
If flowing give rate (litres/min)	15		15	
	20		20	
	25		25	
	30		30	
	40		40	
	50		50	
	60		60	

<b>Plugging and Sealing Record</b>			<input type="checkbox"/> Annular space	<input type="checkbox"/> Abandonment
Depth set at - Metres	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)		
From To				
<i>0</i>	<i>30m Bentonite Slurry</i>			
	<i>100 LBS 200 # cement</i>			
<b>Method of Construction</b>				
<input type="checkbox"/> Cable Tool	<input type="checkbox"/> Rotary (air)	<input type="checkbox"/> Diamond	<input type="checkbox"/> Digging	
<input checked="" type="checkbox"/> Rotary (conventional)	<input type="checkbox"/> Air percussion	<input type="checkbox"/> Jetting	<input type="checkbox"/> Other	
<input checked="" type="checkbox"/> Rotary (reverse)	<input type="checkbox"/> Boring	<input type="checkbox"/> Driving		
<b>Water Use</b>				
<input checked="" type="checkbox"/> Domestic	<input type="checkbox"/> Industrial	<input type="checkbox"/> Public Supply	<input type="checkbox"/> Other	
<input type="checkbox"/> Stock	<input type="checkbox"/> Commercial	<input type="checkbox"/> Not used		
<input type="checkbox"/> Irrigation	<input type="checkbox"/> Municipal	<input type="checkbox"/> Cooling & air conditioning		
<b>Final Status of Well</b>				
<input type="checkbox"/> Water Supply	<input type="checkbox"/> Recharge well	<input type="checkbox"/> Unfinished	<input type="checkbox"/> Abandoned, (Other)	
<input type="checkbox"/> Observation well	<input type="checkbox"/> Abandoned, insufficient supply	<input type="checkbox"/> Dewatering		
<input type="checkbox"/> Test Hole	<input type="checkbox"/> Abandoned, poor quality	<input type="checkbox"/> Replacement well		
<b>Well Contractor/Technician Information</b>				
Name of Well Contractor	Well Contractor's Licence No.			
<i>Continental Investments Ltd</i>	<i>66034</i>			
Business Address (street name, number, city etc)				
<i>1111 Duval Street, Toronto</i>				
Name of Well Technician (last name, first name)	Well Technician's Licence No.			
<i>Bob Fennell</i>	<i>7-1922</i>			
Signature of Technician/Contractor	Date Submitted	YYYY	MM	DD
<i>[Signature]</i>				



Audit No	<i>Z 74721</i>	Date Well Completed	YYYY	MM	DD
		<i>2007</i>	<i>12</i>	<i>26</i>	<i>26</i>
Was the well owner's information package delivered?	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date Delivered	YYYY	MM	DD

<b>Ministry Use Only</b>					
Data Source	Contractor				
Date Received	YYYY	MM	DD	Date of Inspection	YYYY MM DD
Remarks	Well Record Number				



Well Tag N **A 057155** (below)  
**A 057155**

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- Please print clearly in blue or black ink only.

Ministry Use Only



Address of Well Location (County/District/Municipality) **WATSWORTH** Township **HOLLAND** Lot **27** Concession **6**  
 RR#/Street Number/Name \_\_\_\_\_ City/Town/Village \_\_\_\_\_ Site/Compartment/Block/Tract etc \_\_\_\_\_  
 GPS Reading NAD **83** Zone **17N** Easting **518598** Northing **4908749** Unit Make/Model **MAGELLAN** Mode of Operation:  Undifferentiated  Averaged  
 Differentiated, specify \_\_\_\_\_

**Log of Overburden and Bedrock Materials (see Instructions)**

General Colour	Most common material	Other Materials	General Description	Depth From	Metres To
		<b>STONES</b>		<b>0</b>	<b>2 FT.</b>
		<b>MAY STONES</b>		<b>2</b>	<b>22 FT.</b>
		<b>LIMESTONE</b>	<b>HARD</b>	<b>22</b>	<b>145 FT.</b>

Hole Diameter			Construction Record				Test of Well Yield						
Depth From	Metres To	Diameter Centimetres	Inside diam centimetres	Material	Wall thickness centimetres	Depth From	Metres To	Pumping test method	Draw Down Time min	Water Level Metres	Recovery Time min	Water Level Metres	
<b>0</b>	<b>20 FT 10 INCH</b>							<b>AIR-PUMP.</b>					
<b>20</b>	<b>24 FT 9 INCH</b>		<b>Coating</b>						Pump intake set at (metres) <b>AIR 145'</b>	Static Level <b>75 FT</b>		100 FT	
<b>24</b>	<b>145 FT 6 INCH</b>		<b>Loamch</b>						Pumping rate (litres/min) <b>7 gal</b>	<b>1</b>	<b>82</b>	<b>1</b>	<b>93</b>
<b>Water Record</b>			<b>Screen</b>				<b>Duration of pumping</b>						
Water found at _____ Kind of Water _____			Outside diam _____ Slot No _____				<b>2</b> hrs + _____ min						
Fresh _____ Sulphur _____			<b>No Casing or Screen</b>				Final water level end of pumping <b>120' metres</b>						
Salty _____ Minerals _____			<input checked="" type="checkbox"/> Open hole				Recommended pump type <b>Shallow (2400)</b>						
Other: _____							Recommended pump depth <b>125 FT</b>						
After test of well yield, water was _____							Recommended pump rate <b>7 gal (litres/min)</b>						
<input type="checkbox"/> Clear and sediment free							If flowing give rate (litres/min) _____						
<input checked="" type="checkbox"/> Other, specify <b>Hard!</b>							If pumping discontinued, give reason _____						
Chlorinated <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No							80 <b>↓</b> 60 <b>↓</b>						

**Plugging and Sealing Record**  Annular space  Abandonment

Depth set of From \_\_\_\_\_ Metres To \_\_\_\_\_ Material and type (bentonite slurry, neat cement slurry) etc \_\_\_\_\_ Volume Placed (cubic metres) \_\_\_\_\_

**Method of Construction**

Cable Tool  Rotary (air)  Diamond  Digging

Rotary (conventional)  Air percussion  Jetting  Other

Rotary (reverse)  Boring  Driving

**Water Use**

Domestic  Industrial  Public Supply  Other

Stock  Commercial  Not used

Irrigation  Municipal  Cooling & air conditioning

**Final Status of Well**

Water Supply  Recharge well  Unfinished  Abandoned, (Other)

Observation well  Abandoned, insufficient supply  Dewatering

Test Hole  Abandoned, poor quality  Replacement well

**Well Contractor/Technician Information**

Name of Well Contractor **Kaufman Investments Ltd. 6634** Well Contractor's Licence No. \_\_\_\_\_  
 Business Address (street name, number, city etc.) **RR#1 WATSWORTH, ONTARIO**

Name of Well Technician (last name, first name) **Kaufman Paul** Well Technician's Licence No. **7-1922**

Signature of Technician/Contractor \_\_\_\_\_ Date Submitted **2007 07 31**

**Location of Well**

In diagram below show distances of well from road, lot line, and building. Indicate north by arrow.

Audit No. **2 74721** Date Well Completed **2007 06 19**

Was the well owner's information package delivered?  Yes  No **2007 07 31**

**Ministry Use Only**

Date Source \_\_\_\_\_ Contractor **6634**

Date Received **AUG 14 2007** Date of Inspection \_\_\_\_\_

Remarks \_\_\_\_\_ Well Record Number \_\_\_\_\_

**WELL INFORMATION REQUEST FORM  
PROPOSED BUMSTEAD PIT  
PART LOT 27 CONCESSION 7, TOWNSHIP OF CHATSWORTH**

**STEP 1 – GENERAL INFORMATION**

Name of Owner: JEAN BUCHANAN  
Name of Occupant: SAME  
Phone Number of Owner: 519-986-2895  
Lot/Concession: Pt. Lot 27 / 6  
Fire Number (if applicable): 495+64

**MAILING ADDRESS:**

R.R. # 2, HOLLAND CENTRE, ONT  
NO. 1 RD  
VETERAN'S RD S

**PROPERTY ADDRESS:**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

E-mail address: \_\_\_\_\_

**STEP 2 – WELL CONSTRUCTION DETAILS**

Please provide as much of the following information as possible regarding the well(s) on your property. If you have more than one well, please indicate information as pertains to each well:

Date Constructed: 1990  
Contractor: STAN WAIGHT  
Type of Well (please check): Drilled  Dug   
Original Well Depth: ABOUT 150'  
Well Diameter: "  
Type of well/source of water (please check): Bedrock  Overburden   
Name of past property owner(s): \_\_\_\_\_  
Well usage: Domestic  Irrigation  Livestock  Other: \_\_\_\_\_  
MOE Well Number: \_\_\_\_\_

1. Have you ever had any water supply *quantity* or water *quality* issues in the past? If so please describe: (frequency, duration, appearance, odour, taste, etc.)

No  
\_\_\_\_\_  
\_\_\_\_\_

2. Do you have a copy of the well record provided by the drilling contractor: YES  NO   
(if possible, please provide a copy of the well record)

3. Do you have a water treatment system? If so, please describe:

No  
\_\_\_\_\_  
\_\_\_\_\_

**STEP 3 –**

Please provide the name and signature of the person who completed this form below:

JEAN BUCHANAN  
(Name – Please print)

Jean Buchanan  
(Signature)

--It will be assumed that a form not returned is an indication of not being interested--

PLEASE RETURN THE FORM TO GAMSBY AND MANNEROW IN THE ENCLOSED  
SELF-ADDRESSED POSTAGE-PAID ENVELOPE, FAX TO 519-376-8977 OR VIA EMAIL  
TO [mnelson@gamsby.com](mailto:mnelson@gamsby.com)



Ministry  
of the  
Environment  
Ontario

The Ontario Water Resources Act

# WATER WELL RECORD

2511117

25008 CON

06

1. PRINT ONLY IN SPACES PROVIDED  
2. CHECK  CORRECT BOX WHERE APPLICABLE

COUNTY OR DISTRICT <i>Grey</i>	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE <i>Hollandburg</i>	CON. BLOCK, TRACT, SURVEY, ETC. <i>Con. VI Part of</i>	LOT <i>27</i>
OWNER (SURVEY FIRST) <i>[Redacted]</i>	ADDRESS <i>Hollandburg Centre</i>	DATE COMPLETED DAY <i>20</i> MO <i>09</i> YR <i>10</i>	

17 518652 4909571 1325

## LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET	
				FROM	TO
	<i>Hardpan &amp; Stones</i>			0	29
	<i>Limestone</i>			29	155

**41 WATER RECORD**

WATER FOUND AT - FEET <i>80-20</i> <i>155</i>	KIND OF WATER
	1 <input checked="" type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL
	1 <input type="checkbox"/> FRESH 3 <input type="checkbox"/> SULPHUR 2 <input type="checkbox"/> SALTY 4 <input type="checkbox"/> MINERAL

**51 CASING & OPEN HOLE RECORD**

INSIDE DIAM INCHES <i>5 7/8</i>	MATERIAL	WALL THICKNESS INCHES <i>188</i>	DEPTH - FEET FROM <i>0</i> TO <i>34</i>
	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input checked="" type="checkbox"/> OPEN HOLE		
	1 <input type="checkbox"/> STEEL 2 <input type="checkbox"/> GALVANIZED 3 <input type="checkbox"/> CONCRETE 4 <input type="checkbox"/> OPEN HOLE		

**SCREEN**

AREA OF OPENING SUIT NO. 1	DIAMETER INCHES	LENGTH FEET
MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN FEET	

**61 PLUGGING & SEALING RECORD**

DEPTH SET AT - FEET	MATERIAL AND TYPE	CEMENT GROUT LEAD PACER ETC.
FROM <i>10-11</i>	TO <i>14-17</i>	
FROM <i>18-21</i>	TO <i>24-25</i>	
FROM <i>28-29</i>	TO <i>30-31</i>	

**71 PUMPING TEST**

PUMPING TEST METHOD 1 <input checked="" type="checkbox"/> PUMP 2 <input type="checkbox"/> BAILER	PUMPING RATE <i>10</i> GPM	DURATION OF PUMPING 24 HR MIN
STATIC LEVEL 26-27 <i>36</i> FEET	WATER LEVEL END OF PUMPING 17-24 <i>155</i> FEET	WATER LEVELS DURING 15 MINUTE <i>36</i> FEET 30 MINUTE <i>36</i> FEET 45 MINUTE <i>36</i> FEET 60 MINUTE <i>36</i> FEET
IF FLOWING DISEASE	PUMP INTAKE SET AT <i>Road 155</i> FEET	WATER AT END OF TEST 1 <input type="checkbox"/> CLEAR 2 <input checked="" type="checkbox"/> CLOUDY
RECOMMENDED PUMP TYPE <input type="checkbox"/> SHALLOW <input checked="" type="checkbox"/> DEEP	RECOMMENDED PUMP SETTING <i>125</i> FEET	RECOMMENDED PUMPING RATE <i>5+</i> GPM



**FINAL STATUS OF WELL**

1  WATER SUPPLY 3  ABANDONED - INSUFFICIENT SUPPLY  
2  OBSERVATION WELL 4  ABANDONED - POOR QUALITY  
3  TEST HOLE 5  UNFINISHED  
4  RECHARGE WELL

**WATER USE**

1  DOMESTIC 3  COMMERCIAL  
2  STOCK 4  MUNICIPAL  
3  IRRIGATION 5  PUBLIC SUPPLY  
4  INDUSTRIAL 6  COOLING OR AIR CONDITIONING  
5  OTHER 7  NOT USED

**METHOD OF DRILLING**

1  CABLE TOOL 4  BORING  
2  ROTARY (CONVENTIONAL) 5  DIAMOND  
3  ROTARY (REVERSE) 6  JETTING  
4  ROTARY (AIR) 7  DRIVING  
5  AIR PERCUSSION

**CONTRACTOR**

NAME OF WELL CONTRACTOR  
*White Wright Well Drillers Ltd* AGENCY NUMBER *5507* || ADDRESS *Box 167 Appanatch Ont* | LICENSE NUMBER |
| NAME OF DRILLER OR OPERATOR *White Wright* | SUBMISSION DATE |
| SIGNATURE OF CONTRACTOR *William Wright* | DAY \_\_\_\_\_ MO \_\_\_\_\_ YR \_\_\_\_\_ |

**OFFICE USE ONLY**

DATA SOURCE  
*5507* DATE OF INSPECTION *JAN 10 1991* || INSPECTOR |  |
| REMARKS *Submersible Pump installed by White Wright Well Drillers Ltd Appanatch* | |

March 19, 2014  
Mr. Matthew Nelson,  
Gamsby and Mannerow



Re: Proposed Bumstead Pit  
Part of Lot 27 Concession 7  
Township of Chatsworth  
File: 210099

Dear Mr. Nelson,

I received your request dated March 14, 2014 asking for assistance with mapping the locations of private water supply wells in the area surrounding the proposed pit.

My reply is to simply state that to the best of my knowledge, the drilled well next to the house is healthy and has never had water supply quantity or quality issues. When I purchased the property, my lawyer received three Bacteriological Analyses of Drinking Water from our drilled well, dated July 26/13, October 23/13 and November 7/13, and all three tests confirmed that there was no significant evidence of bacterial contamination. The well has only been used for domestic purposes and has a very adequate flow rate.

We have a dug well on the property and the previous owner said "The dug well was in the first field, you will find a cement frame by the fence between the first two fields (to the south). It is in amongst the saplings. The well has not been used for 50 years." I believe it is within 500m of the proposed pit.

In addition, I would like to add that Walker Lake, a 23 acre shallow lake which is approximately 680m from the edge of the proposed pit, has had consistent water levels that have not fallen below one foot in any given year. This information was provided by the previous owner who has 70 years of family history on the lake. It is a healthy habitat for both midland painted turtles and snapping turtles and the lake is their over-wintering area. The previous owner would count between 10 to 12 turtles on any given paddle around the lake. In addition, the house on east side of the lake draws its water directly from Walker Lake.

Please note that my not completing the detailed survey *does not in any way indicate a disinterest on my part* as stated in your letter. Quite the opposite in fact.

Sincerely,

Doug Crocker, Owner  
495546 Veterans Road South  
RR 2, Holland Centre, ON  
N0H 1R0

cc Jason McLay (MNR)  
cc County of Grey  
cc Township of Chatsworth  
cc Ministry of the Environment



# The Ontario Water Resources Act WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED  
2. CHECK  CORRECT BOX WHERE APPLICABLE

11 2510723 MUNICIPAL DISTRICT 25008 CON COM 1990

COUNTY OR DISTRICT: [REDACTED] TOWNSHIP: Holland CON: 6 LOT: 26  
 LOCATION: 5600th Square Pickering DATE COMPLETED: 40 11  
 DAY: 3 MO: 7 YR: 90  
 LOCATION: 10268 LOCATION: 1828

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH FEET	
				FROM	TO
Brown	gravel	clay		0	22
Gray	clay	gravel		22	31
Brown	gravel		(Water)	31	36
Brown	Sand			36	68
Brown	clay			68	73
	gravel			73	75
White	Limestone			75	109
Brown	Limestone		Hard	109	116

31 [ ] 32 [ ]

<b>41 WATER RECORD</b> WATER FOUND AT FEET: <u>80</u> 19-18: <input checked="" type="checkbox"/> FRESH <input type="checkbox"/> SALTY 112: <input checked="" type="checkbox"/> FRESH <input type="checkbox"/> SALTY 20-18: <input type="checkbox"/> FRESH <input type="checkbox"/> SALTY 21-28: <input type="checkbox"/> FRESH <input type="checkbox"/> SALTY 30-23: <input type="checkbox"/> FRESH <input type="checkbox"/> SALTY	<b>51 CASING &amp; OPEN HOLE RECORD</b> INSIDE DIAM (INCHES): <u>6</u> MATERIALS: <input checked="" type="checkbox"/> CLAY, <input type="checkbox"/> GALVANIZED, <input type="checkbox"/> CONCRETE, <input type="checkbox"/> OPEN HOLE, <input type="checkbox"/> PLASTIC DEPTH FEET: <u>79</u> 17-18: <input type="checkbox"/> STEEL, <input type="checkbox"/> GALVANIZED, <input type="checkbox"/> CONCRETE, <input type="checkbox"/> OPEN HOLE, <input type="checkbox"/> PLASTIC 26-25: <input type="checkbox"/> STEEL, <input type="checkbox"/> GALVANIZED, <input type="checkbox"/> CONCRETE, <input type="checkbox"/> OPEN HOLE, <input type="checkbox"/> PLASTIC DEPTH FEET: <u>79</u> , <u>116</u>	<b>61 PLUGGING &amp; SEALING RECORD</b> DEPTH SET AT FEET: <u>0</u> MATERIAL AND TYPE: <u>15 Benzal</u> 10-12: <u>15</u> 18-21: <u>15</u> 20-22: <u>15</u>
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<b>71 PUMPING TEST</b> PUMPING TEST METHOD: <input checked="" type="checkbox"/> ATR, <input type="checkbox"/> BAILER PUMPING RATE: <u>6-7</u> GPM WATER LEVELS DURING PUMPING: 16 MINUTES: <u>57</u> FEET 30 MINUTES: <u>55</u> FEET 45 MINUTES: <u>53</u> FEET 60 MINUTES: <u>53</u> FEET 75 MINUTES: <u>53</u> FEET 90 MINUTES: <u>53</u> FEET 105 MINUTES: <u>53</u> FEET 120 MINUTES: <u>53</u> FEET 135 MINUTES: <u>53</u> FEET 150 MINUTES: <u>53</u> FEET 165 MINUTES: <u>53</u> FEET 180 MINUTES: <u>53</u> FEET 195 MINUTES: <u>53</u> FEET 210 MINUTES: <u>53</u> FEET 225 MINUTES: <u>53</u> FEET 240 MINUTES: <u>53</u> FEET 255 MINUTES: <u>53</u> FEET 270 MINUTES: <u>53</u> FEET 285 MINUTES: <u>53</u> FEET 300 MINUTES: <u>53</u> FEET 315 MINUTES: <u>53</u> FEET 330 MINUTES: <u>53</u> FEET 345 MINUTES: <u>53</u> FEET 360 MINUTES: <u>53</u> FEET 375 MINUTES: <u>53</u> FEET 390 MINUTES: <u>53</u> FEET 405 MINUTES: <u>53</u> FEET 420 MINUTES: <u>53</u> FEET 435 MINUTES: <u>53</u> FEET 450 MINUTES: <u>53</u> FEET 465 MINUTES: <u>53</u> FEET 480 MINUTES: <u>53</u> FEET 495 MINUTES: <u>53</u> FEET 510 MINUTES: <u>53</u> FEET 525 MINUTES: <u>53</u> FEET 540 MINUTES: <u>53</u> FEET 555 MINUTES: <u>53</u> FEET 570 MINUTES: <u>53</u> FEET 585 MINUTES: <u>53</u> FEET 600 MINUTES: <u>53</u> FEET 615 MINUTES: <u>53</u> FEET 630 MINUTES: <u>53</u> FEET 645 MINUTES: <u>53</u> FEET 660 MINUTES: <u>53</u> FEET 675 MINUTES: <u>53</u> FEET 690 MINUTES: <u>53</u> FEET 705 MINUTES: <u>53</u> FEET 720 MINUTES: <u>53</u> FEET 735 MINUTES: <u>53</u> FEET 750 MINUTES: <u>53</u> FEET 765 MINUTES: <u>53</u> FEET 780 MINUTES: <u>53</u> FEET 795 MINUTES: <u>53</u> FEET 810 MINUTES: <u>53</u> FEET 825 MINUTES: <u>53</u> FEET 840 MINUTES: <u>53</u> FEET 855 MINUTES: <u>53</u> FEET 870 MINUTES: <u>53</u> FEET 885 MINUTES: <u>53</u> FEET 900 MINUTES: <u>53</u> FEET 915 MINUTES: <u>53</u> FEET 930 MINUTES: <u>53</u> FEET 945 MINUTES: <u>53</u> FEET 960 MINUTES: <u>53</u> FEET 975 MINUTES: <u>53</u> FEET 990 MINUTES: <u>53</u> FEET 1005 MINUTES: <u>53</u> FEET 1020 MINUTES: <u>53</u> FEET 1035 MINUTES: <u>53</u> FEET 1050 MINUTES: <u>53</u> FEET 1065 MINUTES: <u>53</u> FEET 1080 MINUTES: <u>53</u> FEET 1095 MINUTES: <u>53</u> FEET 1110 MINUTES: <u>53</u> FEET 1125 MINUTES: <u>53</u> FEET 1140 MINUTES: <u>53</u> FEET 1155 MINUTES: <u>53</u> FEET 1170 MINUTES: <u>53</u> FEET 1185 MINUTES: <u>53</u> FEET 1200 MINUTES: <u>53</u> FEET 1215 MINUTES: <u>53</u> FEET 1230 MINUTES: <u>53</u> FEET 1245 MINUTES: <u>53</u> FEET 1260 MINUTES: <u>53</u> FEET 1275 MINUTES: <u>53</u> FEET 1290 MINUTES: <u>53</u> FEET 1305 MINUTES: <u>53</u> FEET 1320 MINUTES: <u>53</u> FEET 1335 MINUTES: <u>53</u> FEET 1350 MINUTES: <u>53</u> FEET 1365 MINUTES: <u>53</u> FEET 1380 MINUTES: <u>53</u> FEET 1395 MINUTES: <u>53</u> FEET 1410 MINUTES: <u>53</u> FEET 1425 MINUTES: <u>53</u> FEET 1440 MINUTES: <u>53</u> FEET 1455 MINUTES: <u>53</u> FEET 1470 MINUTES: <u>53</u> FEET 1485 MINUTES: <u>53</u> FEET 1500 MINUTES: <u>53</u> FEET 1515 MINUTES: <u>53</u> FEET 1530 MINUTES: <u>53</u> FEET 1545 MINUTES: <u>53</u> FEET 1560 MINUTES: <u>53</u> FEET 1575 MINUTES: <u>53</u> FEET 1590 MINUTES: <u>53</u> FEET 1605 MINUTES: <u>53</u> FEET 1620 MINUTES: <u>53</u> FEET 1635 MINUTES: <u>53</u> FEET 1650 MINUTES: <u>53</u> FEET 1665 MINUTES: <u>53</u> FEET 1680 MINUTES: <u>53</u> FEET 1695 MINUTES: <u>53</u> FEET 1710 MINUTES: <u>53</u> FEET 1725 MINUTES: <u>53</u> FEET 1740 MINUTES: <u>53</u> FEET 1755 MINUTES: <u>53</u> FEET 1770 MINUTES: <u>53</u> FEET 1785 MINUTES: <u>53</u> FEET 1800 MINUTES: <u>53</u> FEET 1815 MINUTES: <u>53</u> FEET 1830 MINUTES: <u>53</u> FEET 1845 MINUTES: <u>53</u> FEET 1860 MINUTES: <u>53</u> FEET 1875 MINUTES: <u>53</u> FEET 1890 MINUTES: <u>53</u> FEET 1905 MINUTES: <u>53</u> FEET 1920 MINUTES: <u>53</u> FEET 1935 MINUTES: <u>53</u> FEET 1950 MINUTES: <u>53</u> FEET 1965 MINUTES: <u>53</u> FEET 1980 MINUTES: <u>53</u> FEET 1995 MINUTES: <u>53</u> FEET 2010 MINUTES: <u>53</u> FEET 2025 MINUTES: <u>53</u> FEET 2040 MINUTES: <u>53</u> FEET 2055 MINUTES: <u>53</u> FEET 2070 MINUTES: <u>53</u> FEET 2085 MINUTES: <u>53</u> FEET 2100 MINUTES: <u>53</u> FEET 2115 MINUTES: <u>53</u> FEET 2130 MINUTES: <u>53</u> FEET 2145 MINUTES: <u>53</u> FEET 2160 MINUTES: <u>53</u> FEET 2175 MINUTES: <u>53</u> FEET 2190 MINUTES: <u>53</u> FEET 2205 MINUTES: <u>53</u> FEET 2220 MINUTES: <u>53</u> FEET 2235 MINUTES: <u>53</u> FEET 2250 MINUTES: <u>53</u> FEET 2265 MINUTES: <u>53</u> FEET 2280 MINUTES: <u>53</u> FEET 2295 MINUTES: <u>53</u> FEET 2310 MINUTES: <u>53</u> FEET 2325 MINUTES: <u>53</u> FEET 2340 MINUTES: <u>53</u> FEET 2355 MINUTES: <u>53</u> FEET 2370 MINUTES: <u>53</u> FEET 2385 MINUTES: <u>53</u> FEET 2400 MINUTES: <u>53</u> FEET 2415 MINUTES: <u>53</u> FEET 2430 MINUTES: <u>53</u> FEET 2445 MINUTES: <u>53</u> FEET 2460 MINUTES: <u>53</u> FEET 2475 MINUTES: <u>53</u> FEET 2490 MINUTES: <u>53</u> FEET 2505 MINUTES: <u>53</u> FEET 2520 MINUTES: <u>53</u> FEET 2535 MINUTES: 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3060 MINUTES: <u>53</u> FEET 3075 MINUTES: <u>53</u> FEET 3090 MINUTES: <u>53</u> FEET 3105 MINUTES: <u>53</u> FEET 3120 MINUTES: <u>53</u> FEET 3135 MINUTES: <u>53</u> FEET 3150 MINUTES: <u>53</u> FEET 3165 MINUTES: <u>53</u> FEET 3180 MINUTES: <u>53</u> FEET 3195 MINUTES: <u>53</u> FEET 3210 MINUTES: <u>53</u> FEET 3225 MINUTES: <u>53</u> FEET 3240 MINUTES: <u>53</u> FEET 3255 MINUTES: <u>53</u> FEET 3270 MINUTES: <u>53</u> FEET 3285 MINUTES: <u>53</u> FEET 3300 MINUTES: <u>53</u> FEET 3315 MINUTES: <u>53</u> FEET 3330 MINUTES: <u>53</u> FEET 3345 MINUTES: <u>53</u> FEET 3360 MINUTES: <u>53</u> FEET 3375 MINUTES: <u>53</u> FEET 3390 MINUTES: <u>53</u> FEET 3405 MINUTES: <u>53</u> FEET 3420 MINUTES: <u>53</u> FEET 3435 MINUTES: <u>53</u> FEET 3450 MINUTES: <u>53</u> FEET 3465 MINUTES: <u>53</u> FEET 3480 MINUTES: <u>53</u> FEET 3495 MINUTES: <u>53</u> FEET 3510 MINUTES: <u>53</u> FEET 3525 MINUTES: <u>53</u> FEET 3540 MINUTES: <u>53</u> FEET 3555 MINUTES: <u>53</u> FEET 3570 MINUTES: <u>53</u> FEET 3585 MINUTES: <u>53</u> FEET 3600 MINUTES: <u>53</u> FEET 3615 MINUTES: <u>53</u> FEET 3630 MINUTES: <u>53</u> FEET 3645 MINUTES: <u>53</u> FEET 3660 MINUTES: <u>53</u> FEET 3675 MINUTES: <u>53</u> FEET 3690 MINUTES: <u>53</u> FEET 3705 MINUTES: <u>53</u> FEET 3720 MINUTES: <u>53</u> FEET 3735 MINUTES: <u>53</u> FEET 3750 MINUTES: <u>53</u> FEET 3765 MINUTES: <u>53</u> FEET 3780 MINUTES: <u>53</u> FEET 3795 MINUTES: <u>53</u> FEET 3810 MINUTES: <u>53</u> FEET 3825 MINUTES: <u>53</u> FEET 3840 MINUTES: <u>53</u> FEET 3855 MINUTES: <u>53</u> FEET 3870 MINUTES: <u>53</u> FEET 3885 MINUTES: <u>53</u> FEET 3900 MINUTES: <u>53</u> FEET 3915 MINUTES: <u>53</u> FEET 3930 MINUTES: <u>53</u> FEET 3945 MINUTES: <u>53</u> FEET 3960 MINUTES: <u>53</u> FEET 3975 MINUTES: <u>53</u> FEET 3990 MINUTES: <u>53</u> FEET 4005 MINUTES: <u>53</u> FEET 4020 MINUTES: <u>53</u> FEET 4035 MINUTES: <u>53</u> FEET 4050 MINUTES: <u>53</u> FEET 4065 MINUTES: <u>53</u> FEET 4080 MINUTES: <u>53</u> FEET 4095 MINUTES: <u>53</u> FEET 4110 MINUTES: <u>53</u> FEET 4125 MINUTES: <u>53</u> FEET 4140 MINUTES: <u>53</u> FEET 4155 MINUTES: <u>53</u> FEET 4170 MINUTES: <u>53</u> FEET 4185 MINUTES: <u>53</u> FEET 4200 MINUTES: <u>53</u> FEET 4215 MINUTES: <u>53</u> FEET 4230 MINUTES: <u>53</u> FEET 4245 MINUTES: <u>53</u> FEET 4260 MINUTES: <u>53</u> FEET 4275 MINUTES: <u>53</u> FEET 4290 MINUTES: <u>53</u> FEET 4305 MINUTES: <u>53</u> FEET 4320 MINUTES: <u>53</u> FEET 4335 MINUTES: <u>53</u> FEET 4350 MINUTES: <u>53</u> FEET 4365 MINUTES: <u>53</u> FEET 4380 MINUTES: <u>53</u> FEET 4395 MINUTES: <u>53</u> FEET 4410 MINUTES: <u>53</u> FEET 4425 MINUTES: <u>53</u> FEET 4440 MINUTES: <u>53</u> FEET 4455 MINUTES: <u>53</u> FEET 4470 MINUTES: <u>53</u> FEET 4485 MINUTES: <u>53</u> FEET 4500 MINUTES: <u>53</u> FEET 4515 MINUTES: <u>53</u> FEET 4530 MINUTES: <u>53</u> FEET 4545 MINUTES: <u>53</u> FEET 4560 MINUTES: <u>53</u> FEET 4575 MINUTES: <u>53</u> FEET 4590 MINUTES: <u>53</u> FEET 4605 MINUTES: <u>53</u> FEET 4620 MINUTES: <u>53</u> FEET 4635 MINUTES: <u>53</u> FEET 4650 MINUTES: <u>53</u> FEET 4665 MINUTES: <u>53</u> FEET 4680 MINUTES: <u>53</u> FEET 4695 MINUTES: <u>53</u> FEET 4710 MINUTES: <u>53</u> FEET 4725 MINUTES: <u>53</u> FEET 4740 MINUTES: <u>53</u> FEET 4755 MINUTES: <u>53</u> FEET 4770 MINUTES: <u>53</u> FEET 4785 MINUTES: <u>53</u> FEET 4800 MINUTES: <u>53</u> FEET 4815 MINUTES: <u>53</u> FEET 4830 MINUTES: <u>53</u> FEET 4845 MINUTES: <u>53</u> FEET 4860 MINUTES: <u>53</u> FEET 4875 MINUTES: <u>53</u> FEET 4890 MINUTES: <u>53</u> FEET 4905 MINUTES: <u>53</u> FEET 4920 MINUTES: <u>53</u> FEET 4935 MINUTES: <u>53</u> FEET 4950 MINUTES: <u>53</u> FEET 4965 MINUTES: <u>53</u> FEET 4980 MINUTES: <u>53</u> FEET 4995 MINUTES: <u>53</u> FEET 5010 MINUTES: <u>53</u> FEET 5025 MINUTES: <u>53</u> FEET 5040 MINUTES: <u>53</u> FEET 5055 MINUTES: <u>53</u> FEET 5070 MINUTES: <u>53</u> FEET 5085 MINUTES: <u>53</u> FEET 5100 MINUTES: <u>53</u> FEET 5115 MINUTES: <u>53</u> FEET 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<u>53</u> FEET 5655 MINUTES: <u>53</u> FEET 5670 MINUTES: <u>53</u> FEET 5685 MINUTES: <u>53</u> FEET 5700 MINUTES: <u>53</u> FEET 5715 MINUTES: <u>53</u> FEET 5730 MINUTES: <u>53</u> FEET 5745 MINUTES: <u>53</u> FEET 5760 MINUTES: <u>53</u> FEET 5775 MINUTES: <u>53</u> FEET 5790 MINUTES: <u>53</u> FEET 5805 MINUTES: <u>53</u> FEET 5820 MINUTES: <u>53</u> FEET 5835 MINUTES: <u>53</u> FEET 5850 MINUTES: <u>53</u> FEET 5865 MINUTES: <u>53</u> FEET 5880 MINUTES: <u>53</u> FEET 5895 MINUTES: <u>53</u> FEET 5910 MINUTES: <u>53</u> FEET 5925 MINUTES: <u>53</u> FEET 5940 MINUTES: <u>53</u> FEET 5955 MINUTES: <u>53</u> FEET 5970 MINUTES: <u>53</u> FEET 5985 MINUTES: <u>53</u> FEET 6000 MINUTES: <u>53</u> FEET 6015 MINUTES: <u>53</u> FEET 6030 MINUTES: <u>53</u> FEET 6045 MINUTES: <u>53</u> FEET 6060 MINUTES: <u>53</u> FEET 6075 MINUTES: <u>53</u> FEET 6090 MINUTES: <u>53</u> FEET 6105 MINUTES: <u>53</u> FEET 6120 MINUTES: <u>53</u> FEET 6135 MINUTES: <u>53</u> FEET 6150 MINUTES: <u>53</u> FEET 6165 MINUTES: <u>53</u> FEET 6180 MINUTES: <u>53</u> FEET 6195 MINUTES: <u>53</u> FEET 6210 MINUTES: <u>53</u> FEET 6225 MINUTES: <u>53</u> FEET 6240 MINUTES: <u>53</u> FEET 6255 MINUTES: <u>53</u> FEET 6270 MINUTES: <u>53</u> FEET 6285 MINUTES: <u>53</u> FEET 6300 MINUTES: <u>53</u> FEET 6315 MINUTES: <u>53</u> FEET 6330 MINUTES: <u>53</u> FEET 6345 MINUTES: <u>53</u> FEET 6360 MINUTES: <u>53</u> FEET 6375 MINUTES: <u>53</u> FEET 6390 MINUTES: <u>53</u> FEET 6405 MINUTES: <u>53</u> FEET 6420 MINUTES: <u>53</u> FEET 6435 MINUTES: <u>53</u> FEET 6450 MINUTES: <u>53</u> FEET 6465 MINUTES: <u>53</u> FEET 6480 MINUTES: <u>53</u> FEET 6495 MINUTES: <u>53</u> FEET 6510 MINUTES: <u>53</u> FEET 6525 MINUTES: <u>53</u> FEET 6540 MINUTES: <u>53</u> FEET 6555 MINUTES: <u>53</u> FEET 6570 MINUTES: <u>53</u> FEET 6585 MINUTES: <u>53</u> FEET 6600 MINUTES: <u>53</u> FEET 6615 MINUTES: <u>53</u> FEET 6630 MINUTES: <u>53</u> FEET 6645 MINUTES: <u>53</u> FEET 6660 MINUTES: <u>53</u> FEET 6675 MINUTES: <u>53</u> FEET 6690 MINUTES: <u>53</u> FEET 6705 MINUTES: <u>53</u> FEET 6720 MINUTES: <u>53</u> FEET 6735 MINUTES: <u>53</u> FEET 6750 MINUTES: <u>53</u> FEET 6765 MINUTES: <u>53</u> FEET 6780 MINUTES: <u>53</u> FEET 6795 MINUTES: <u>53</u> FEET 6810 MINUTES: <u>53</u> FEET 6825 MINUTES: <u>53</u> FEET 6840 MINUTES: <u>53</u> FEET 6855 MINUTES: <u>53</u> FEET 6870 MINUTES: <u>53</u> FEET 6885 MINUTES: <u>53</u> FEET 6900 MINUTES: <u>53</u> FEET 6915 MINUTES: <u>53</u> FEET 6930 MINUTES: <u>53</u> FEET 6945 MINUTES: <u>53</u> FEET 6960 MINUTES: <u>53</u> FEET 6975 MINUTES: <u>53</u> FEET 6990 MINUTES: <u>53</u> FEET 7005 MINUTES: <u>53</u> FEET 7020 MINUTES: <u>53</u> FEET 7035 MINUTES: <u>53</u> FEET 7050 MINUTES: <u>53</u> FEET 7065 MINUTES: <u>53</u> FEET 7080 MINUTES: <u>53</u> FEET 7095 MINUTES: <u>53</u> FEET 7110 MINUTES: <u>53</u> FEET 7125 MINUTES: <u>53</u> FEET 7140 MINUTES: <u>53</u> FEET 7155 MINUTES: <u>53</u> FEET 7170 MINUTES: <u>53</u> FEET 7185 MINUTES: <u>53</u> FEET 7200 MINUTES: <u>53</u> FEET 7215 MINUTES: <u>53</u> FEET 7230 MINUTES: <u>53</u> FEET 7245 MINUTES: <u>53</u> FEET 7260 MINUTES: <u>53</u> FEET 7275 MINUTES: <u>53</u> FEET 7290 MINUTES: <u>53</u> FEET 7305 MINUTES: <u>53</u> FEET 7320 MINUTES: <u>53</u> FEET 7335 MINUTES: <u>53</u> FEET 735
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**WELL INFORMATION REQUEST FORM  
PROPOSED BUMSTEAD PIT  
PART LOT 27 CONCESSION 7, TOWNSHIP OF CHATSWORTH**

**STEP 1 – GENERAL INFORMATION**

Name of Owner: ANDREW + PATRICIA CAINE  
Name of Occupant: same ↑  
Phone Number of Owner: 519 986 4743  
Lot/Concession: \_\_\_\_\_  
Fire Number (if applicable): 583697

MAILING ADDRESS: 583697 Sd Rd 60 PROPERTY ADDRESS: ← same  
RR#2  
HOLLAND CENTRE ON MOHRO

E-mail address: andrew@mcconn water systems.ca

**STEP 2 – WELL CONSTRUCTION DETAILS**

Please provide as much of the following information as possible regarding the well(s) on your property. If you have more than one well, please indicate information as pertains to each well:

Date Constructed: \_\_\_\_\_  
Contractor: \_\_\_\_\_  
Type of Well (please check): Drilled  Dug   
Original Well Depth: \_\_\_\_\_  
Well Diameter: 5"  
Type of well/source of water (please check): Bedrock  Overburden   
Name of past property owner(s): \_\_\_\_\_  
Well usage: Domestic  Irrigation  Livestock  Other: \_\_\_\_\_  
MOE Well Number: \_\_\_\_\_

1. Have you ever had any water supply *quantity* or water *quality* issues in the past? If so please describe: (frequency, duration, appearance, odour, taste, etc.)

NO

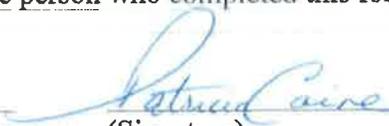
2. Do you have a copy of the well record provided by the drilling contractor: YES  NO   
(if possible, please provide a copy of the well record)

3. Do you have a water treatment system? If so, please describe:  
WATER SOFTENER

**STEP 3 –**

Please provide the name and signature of the person who completed this form below:

PATRICIA CAINE  
(Name – Please print)

  
(Signature)

--It will be assumed that a form not returned is an indication of not being interested--

PLEASE RETURN THE FORM TO GAMSBY AND MANNEROW IN THE ENCLOSED  
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**WELL INFORMATION REQUEST FORM  
PROPOSED BUMSTEAD PIT  
PART LOT 27 CONCESSION 7, TOWNSHIP OF CHATSWORTH**

**STEP 1 – GENERAL INFORMATION**

Name of Owner: PATTI BUCHANAN

Name of Occupant: NEW RESIDENT

Phone Number of Owner: \_\_\_\_\_

Lot/Concession: \_\_\_\_\_

Fire Number (if applicable): \_\_\_\_\_

MAILING ADDRESS: \_\_\_\_\_

PROPERTY ADDRESS: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

E-mail address: \_\_\_\_\_

**STEP 2 – WELL CONSTRUCTION DETAILS**

Please provide as much of the following information as possible regarding the well(s) on your property. If you have more than one well, please indicate information as pertains to each well:

Date Constructed: There is no well on the property.

Contractor: \_\_\_\_\_

Type of Well (please check): Drilled  Dug

Original Well Depth: \_\_\_\_\_

Well Diameter: \_\_\_\_\_

Type of well/source of water (please check): Bedrock  Overburden

Name of past property owner(s): \_\_\_\_\_

Well usage: Domestic  Irrigation  Livestock  Other: \_\_\_\_\_

MOE Well Number: \_\_\_\_\_

1. Have you ever had any water supply *quantity* or water *quality* issues in the past? If so please describe: (frequency, duration, appearance, odour, taste, etc.)

\_\_\_\_\_

\_\_\_\_\_

2. Do you have a copy of the well record provided by the drilling contractor: YES  NO   
(if possible, please provide a copy of the well record)

3. Do you have a water treatment system? If so, please describe:

\_\_\_\_\_

\_\_\_\_\_

**STEP 3 –**

Please provide the name and signature of the person who completed this form below:

JEAN BOCHANAN  
(Name – Please print)

  
(Signature)

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**WELL INFORMATION REQUEST FORM  
PROPOSED BUMSTEAD PIT  
PART LOT 27 CONCESSION 7, TOWNSHIP OF CHATSWORTH**

**STEP 1 – GENERAL INFORMATION**

Name of Owner: JULIA ROBINSON

Name of Occupant: NEW RESIDENT

Phone Number of Owner: \_\_\_\_\_

Lot/Concession: \_\_\_\_\_

Fire Number (if applicable): \_\_\_\_\_

MAILING ADDRESS:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

PROPERTY ADDRESS:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

E-mail address: \_\_\_\_\_

**STEP 2 – WELL CONSTRUCTION DETAILS**

Please provide as much of the following information as possible regarding the well(s) on your property. If you have more than one well, please indicate information as pertains to each well:

Date Constructed: There is no well on property

Contractor: \_\_\_\_\_

Type of Well (please check): Drilled  Dug

Original Well Depth: \_\_\_\_\_

Well Diameter: \_\_\_\_\_

Type of well/source of water (please check): Bedrock  Overburden

Name of past property owner(s): \_\_\_\_\_

Well usage: Domestic  Irrigation  Livestock  Other: \_\_\_\_\_

MOE Well Number: \_\_\_\_\_

1. Have you ever had any water supply *quantity* or water *quality* issues in the past? If so please describe: (frequency, duration, appearance, odour, taste, etc.)  
\_\_\_\_\_  
\_\_\_\_\_

2. Do you have a copy of the well record provided by the drilling contractor: YES  NO   
(if possible, please provide a copy of the well record)

3. Do you have a water treatment system? If so, please describe:  
\_\_\_\_\_  
\_\_\_\_\_

**STEP 3 –**

Please provide the name and signature of the person who completed this form below:

JEAN BUCHANAN  
(Name – Please print)

  
(Signature)

--It will be assumed that a form not returned is an indication of not being interested--

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