



BRUCE A. BROWN ASSOCIATES LIMITED

Consultants in the Environmental and Applied Earth Sciences

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Project 19*4558

August 27, 2020

Attn: Mr. Alvaro Di Blasio

1215846 Ontario Ltd.

C.O.B. as Di Blasio Homes

6620 Rothschild Trail

Mississauga, ON L5W 0A6

Email: alvaro@diblasiocorp.com

Dear Mr. Di Blasio,

Re: Site Decommissioning Requirements
6620 Rothschild Trail, City of Mississauga, ON

Introduction

Bruce A. Brown Associates Limited completed a Phase I Environmental Site Assessment update, dated August 6, 2020, for the property located at 6620 Rothschild Trail, City of Mississauga. The report identified several site features which require decommissioning or specific demolition requirements to prepare the lands for proposed redevelopment as a four-storey residential condominium on the Rothschild Trail cul-de-sac.

These requirements were prescribed in detail in the report and are reproduced in this free-standing document at the request of the Municipality.

The property was originally developed with a single residence which relied on a drilled well, a class 4 onsite private waste system, and using gas for comfort heating. The well was never sufficiently productive to serve residential needs. Therefore, a large tank was buried beside it to contain water imported by truck. At time of writing, the building remains a family residence with home occupation office, to which municipal water was provided during the servicing of the surrounding subdivision. The *circa* 1989 drilled well with riser in the front yard of the existing house is not found in the Ministry online database.

Well Decommissioning

When no longer needed, drilled wells are required to be decommissioned by a licensed well technician. The abandonment methodology is set out in O. Reg. 903/00, and includes disinfection, backfilling and sealing, removal of upper casing and filing a well record with the Ministry of the Environment, Conservation and Parks. The owner is required to retain the well record. This effort should be completed together with or prior to general demolition of the residence, so that the well is not damaged or lost prior to decommissioning.

Tank Decommissioning

There are no regulatory requirements for the removal of an underground tank used only for storage of potable water. The tank can be excavated with a suitably sized backhoe and may be demolished, recycled for materials recovery or preserved and re-used for water storage without limitation. The resulting excavation shall be backfilled with engineered fill material responsive to compactive effort to achieve at least 95% of Standard Proctor Density in minimal lifts. The type of equipment to be used for this purpose will depend on the material, with a large, self-propelled vibratory smooth drum roller best suited to non-cohesive material, such as imported sand or sand and gravel and a large, vibratory self-propelled sheepsfoot used for finer-textured soil. Backfill should be within about 2% either way from Optimum Moisture Content to effectively respond to compactive effort. Moisture adjustment may be necessary depending on the material and weather conditions.

Private Waste System Decommissioning

Following termination of occupancy, the onsite system tanks shall be pumped by a licensed vacuum truck operator. The subsurface absorption trenches may be abandoned without further effort and can stand until the area is bulk excavated for the full basement of the new development. Plastic pipe will be segregated and destined to waste at that time, while residual gravel bedding would be admixed with native soil during bulk excavation.

Residential Demolition

The residence was constructed in 1989 and is therefore too new to contain contaminants of concern requiring special treatment prior to general demolition. No leaded paint, lead in plumbing solder, asbestos containing materials, PCBs, UFFI or fuel oil tanks are present on site. The air conditioning system is required to be decommissioned by a licensed technician for recovery of CFCs, and the system must be tagged off prior to removal of equipment and general demolition.

Closure

We trust that this information is sufficient for your present requirements. Should any questions arise, please do not hesitate to call. Thank you for this opportunity to once again be of service.

Yours very truly,

BRUCE A. BROWN ASSOCIATES LIMITED



Bruce A. Brown, Ph. D., RPP, P. Eng., QP(ESA)

cc:

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