

OIL TANK DETECTION REPORT



Site address: 4635 Bond Street Burnaby

Survey date: July 24, 2018

Client's name: Patty Hansinger

Scanned by: Matthew



OIL TANK DETECTION REPORT

Oil Tank Detection Details

During the oil tank detection, our technicians used a high quality EM locator to scan the property. While performing this underground investigation on the property, we also did an outside visual inspection for indications of an oil tanks presence.

Oil Tank Detection Results

Excluding any noted exemptions or limitations, with no substantial readings and no visible indications noticed on the property, we have concluded that to the best of our knowledge no oil tank exists on the rest of the property.

However, please note that there was an area/areas on this property that we could not scan properly. Please refer to the Exemptions section in the subsequent pages of this report for more details.

Although our scanners are equipped with high quality equipment and we conduct a thorough investigation of each property, it is important to understand that these results are interpretive in nature.

Please note that while our detection service may conclude that an underground oil tank does not exist on a property, due to, but not limited to various factors, such as: obstructions, interference, limitations and the unknown history of the land and its uses, Tri-City Tank Tech Ltd. cannot guarantee 100% that an undetected tank and/or contamination does not exist on the property. Therefore, the total liability of Tri-City Tank Tech Ltd. and/or its employees is limited to the amount paid for this inspection/report.

Limitations (Situations that may decrease the accuracy of the detection)

- Surface obstructions, including but not limited to: debris, item obstructions, dense vegetation, walls, ponds, fountains, fencing, raised yards and railings etc.
- Structures, including but not limited to: additions, extension, enclosures, pools etc.
- Concrete, including but not limited to: wire mesh, rebar, debris etc.
- Locations with low clearance, limited access or air gaps, including but not limited to: decks, crawl spaces or platforms etc.
- Underground obstructions, including but not limited to: water lines, gas lines, electrical lines etc.

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Exemptions

Unfortunately, we were unable to scan properly in the location or locations indicated below.



We were unable to scan under and within approximately 2 feet of the front southern concrete stairs and garden bed posts due to interference.



We were unable to scan under and within approximately 6 feet of the vehicle obstruction in the eastern driveway due to interference.

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Exemptions continued



We were unable to scan under and within approximately 3 feet of the back north eastern storage area. Additionally we had an approximate 2 feet by 6 feet reading approximately 3 feet north of and running parallel with the storage area. This reading was closest to the north western side of the storage area. If the client would like to investigate these areas further we would recommend a GPR scan in these areas.

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Exemptions continued



We were unable to scan under and within approximately 2 feet of the garden bed posts on the back north eastern corner due to interference.



We were unable to scan under and within approximately 2 feet of the concrete sidewalk and wooden platform due to metallic interference and lack of clearance.

If the client would like to investigate the concrete area further we would recommend a GPR scan in this area.

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Exemptions continued



We were unable to thoroughly scan on the western side of the house mainly on the north half of the western side due to interference. Additionally, we had sporadic readings in the area closer to the north western corner approximately 2-4 feet north west and approx 1.5 feet by 5 feet in size. If the client would like to investigate these areas further we would recommend attempting a GPR scan in these areas.

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Exemptions continued



We were unable to scan under and within approximately 3 feet of the item obstructions on the northern side of the house on the western side due to interference. Additionally, we had readings and interference from the pipe that was present and causing interference throughout the area. If the client would like to investigate these areas further we would recommend a GPR scan in these areas.



We were unable to scan under and within approximately 3 feet of the item obstructions on the north western side of the yard due to interference.

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Exemptions continued



We had a small reading in the northern yard approximately 1 x 2 feet.

If the client would like to investigate this area further we would recommend a GPR scan in this area.

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GROUND PENETRATING RADAR (GPR) RECOMMENDATION

In our oil tank detection report we have recommended that you may want to attempt a Ground Penetrating Radar scan (GPR) on your property to further investigate an area or areas.

If you decide to perform a GPR scan on your property, please make sure that the Ground Penetrating Radar company scans the whole property and that they are aware of any obstructions, interferences, and/or suspected areas of concern prior to scheduling your appointment. Additionally, if an oil tank is found, please make sure that the GPR company locates all of the underground utilities on the property.

When selecting a GPR company, please make sure that the company that you select has oil tank detection experience and that they will provide you with an oil tank detection report.

For your convenience, we have provided the contact information for a GPR scanning company below. This is just a recommendation and you are welcome to choose any GPR company that you are comfortable with. Please note that this company is independent from Tri City Tank Tech Ltd; therefore, they will invoice and report independently.

Geo Scan Subsurface Surveys Inc: (604) 436-7226

If an oil tank is unfortunately found, please feel free to contact us and we will provide you with a free quotation for your oil tank removal.

Sincerely,

Terry Kennedy
Owner/President
Tri City Tank Tech Ltd



Underground Oil Storage Tank Report

GeoScan Project # J180912-04



Project Address: 4635 Bond Street, Burnaby, B.C., V5H 1G7

Survey Date: 12th September 2018

Client: Will Law

Report Prepared By: P. Bandiera

Report Reviewed By: R. Clarke



Underground Storage Tank Report
 # J180912-04
 12th September 2018



Survey Date: 12th September 2018

Project Address: 4635 Bond Street, Burnaby, B.C., V5H 1G7.

Objective: The purpose of the Ground Penetrating Radar (GPR) Survey was to verify the presence and location of any Underground Oil Storage Tanks (USTs) at 4635 Bond Street in Burnaby.

Survey Details: The survey was completed using a 400 MHz Ground Penetrating Radar (GPR) antenna and a ferromagnetic locator. All areas around the house were scanned with an overlapping grid pattern. Both the interior and the exterior of the house were checked for visual signs of a tank, such as, a vent pipe, filler cap, supply lines, etc. Ground conditions were good, with good GPR imaging resolution.

Evidence Observed:

- None

Inconclusive Areas: Any area within two feet of an obstruction cannot be scanned. In addition, structures (such as sheds) that are raised from the ground cannot be scanned from within, because of the effects the air gap has on the radar signal. The areas beneath the following ground surface obstructions could not be scanned, because the ground space was obstructed by either furniture, storage items, structures, vegetation, machinery, vehicles, etc.:

- N/A

Results: The ferromagnetic scan detected some metallic objects on the property; however, successive overlapping passes with the GPR did not detect any anomalies on the areas of the property scanned that would indicate the presence of an Underground Oil Storage Tank.

Conclusion: After examining the data collected from the survey area, it has been concluded that there are no anomalies characteristic of an Underground Oil Storage Tank present on the areas of the property surveyed (Image 1).

Underground Storage Tank Report
J180912-04
12th September 2018



Field Data:



Image 1: Aerial view of property.
No inconclusive areas.

Limitations: Areas containing surface obstructions or unmovable objects, such as vegetation, planters, walls, storage items, etc. will restrict the movement of the GPR antenna and thus cannot be fully scanned. GPR equipment cannot scan within eighteen inches of a wall or other surface obstructions. Any areas containing air gaps or void spaces, such as raised wooden decks, interfere with the radar signal and cannot be scanned. Concrete areas containing a layer of mesh may cause radar distortion, resulting in poor data resolution.

GeoScan Subsurface Surveys Inc. - A9-5279 Still Creek Ave., Burnaby, BC, V5C 5V1
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