



Appendix A

Background Review Request

Memo

To: Hussain Tamimi, City of Toronto
From: Steve Chipps, Wood
Date: June 28, 2019
File: TPB198077
cc: Nick Lorrain, TRCA; Ron Scheckenberger, Wood
Re: **Black Creek at Rockcliffe SPA Flood Remediation and Transportation Feasibility Study: Information and Data Request**

As indicated by the City of Toronto at the June 25, 2019 Start-up Meeting, a Data Request Memorandum is required to list the information and data required from the City for the Black Creek Study. Wood has compiled the following data request for each discipline. We have also attached a shapefile of the Study Area boundary as requested by the City.

General:

- City GIS mapping layers and data attributes, including topography, utilities, infrastructure, property, roads, natural heritage, cultural heritage, transportation, land use, emergency services, community uses (e.g. community centres). Please note TRCA has provided 2018 aerial mapping.
- Reporting – including ongoing infrastructure projects, future planned City projects (including LRT), pending land development projects and associated servicing and stormwater management. natural heritage, cultural heritage documentation and geotechnical/hydrogeological.
- Data – flooding documentation, geotechnical/ hydrogeological data, and other data considered relevant to the Study Area by City staff.

Structural:

- Original/Existing Drawings for structures noted below;
- Rehabilitation Drawings for structures noted below;
- Inspection Reports (latest cycle); and
- Any reports (Structural Design Reports, Condition Survey Reports, Detailed Investigations, etc.).

The structures identified in the RFP are:

1. Weston Rd over Black Creek (ID 092);
2. Humber Blvd Pedestrian Bridge over Black Creek (ID 705);
3. Hilldale Road over Black Creek (City Bridge ID No. 703);
4. Alliance Ave. over Black Creek (ID No. 704);

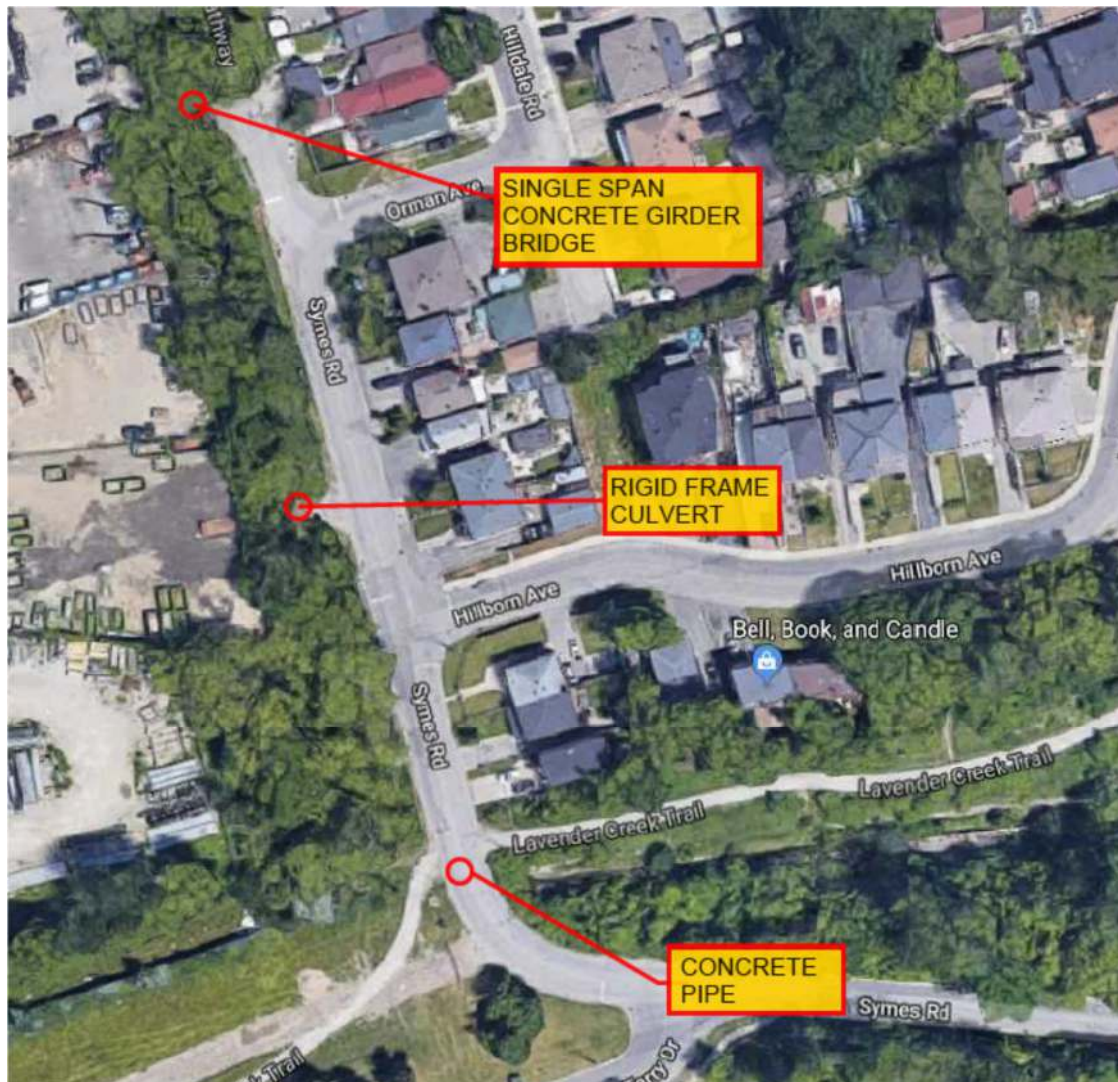


TRCA

June 28, 2019

5. Rockcliffe Blvd. over Black Creek (ID No. 702);
6. Jane Street Culvert at Black Creek (ID No. 091);
7. Pedestrian Bridges over Black Creek (ID No. 308523, 308522, 308521); and
8. Scarlett Road over Black Creek (ID No. 360).

In addition to the structure list, there are three (3) crossings that are of interest to study along Lavender Creek. The Structure ID Numbers are not known so we have provided a Google Maps image marking their location. The structure types are to be confirmed.



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June 28, 2019

Roads

Data Requested	Road	Limits
As-built drawings (CAD if possible) Topographical Survey Any Class EA reports Property fabric Any utility base	Weston Road	Bushey Avenue to Rogers Road
	Humber Blvd North	Alliance to Weston
	Humber Blvd South	Alliance to Weston
	Hilldale Rd.	Humber Blvd N. to Orman Ave.
	Alliance Ave.	Jane Street to Humber Blvd. S.
	Jane St.	Black Creek Blvd. to Haney Ave.
	Rockcliffe Ct.	All.
	Symes Rd.	Orman Ave. to Glen Scarlett
	Orman Ave.	Hilldale to Symes
	Hilldale Rd.	All
Mapping for any existing and/or planned trail networks.		
Any available TIS information for St. Oscar Romero or the apartment block on Humber Blvd. S.		

Traffic Data:

Traffic Data	Location	Comments
Intersection turning movement counts (TMCs) for weekday AM and PM peak periods	<ul style="list-style-type: none"> • Jane Street and Alliance Avenue • Rockcliffe Boulevard and Alliance Avenue • Rockcliffe Boulevard and Rockcliffe Court • Cliff Street/Alliance Avenue and Humber Boulevard N • Humber Boulevard N and Hilldale Road • Alliance Avenue and Humber Boulevard S/Hilldale Road • Humber Boulevard S and Hilldale Road • Humber Boulevard N and Louvain Street 	<ul style="list-style-type: none"> • TMCs required for capacity analysis and understanding of traffic patterns in the study area

TRCA
June 28, 2019

Traffic Data	Location	Comments
	<ul style="list-style-type: none"> • Humber Boulevard S and Avon Avenue • Humber Boulevard N/Black Creek Drive and Weston Road • Weston Road and Porter Avenue • Weston Road and Rogers Road • Weston Road and Avon Crescent • Avon Avenue and Avon Crescent • Avon Avenue and Porter Avenue 	
24-hour ATR data	<ul style="list-style-type: none"> • Humber Boulevard between Jane Street and Weston Road • Jane Street south or north of Alliance Avenue • Weston Road, south or north of Humber Boulevard/Black Creek Drive • Historical 24-hour data on Humber Boulevard, Jane Street and Weston Road 	<ul style="list-style-type: none"> • Required to understand 24-hour traffic demand in the study area • Historical ATR data will be helpful to determine traffic growth rate in the study area
Signal Timing Plans	<ul style="list-style-type: none"> • Jane Street and Alliance Avenue • Rockcliffe Boulevard and Alliance Avenue • Humber Boulevard N/Black Creek Drive and Weston Road • Weston Road and Rogers Road 	<ul style="list-style-type: none"> • Required for capacity analysis at signalized intersections
Traffic Study Reports		<ul style="list-style-type: none"> • Copy of any relevant traffic study reports which will help provide an understanding of traffic patterns in the study area

Utilities:

Please provide a utility contact list for the study area, in addition to utility mapping, data attributes and documentation.

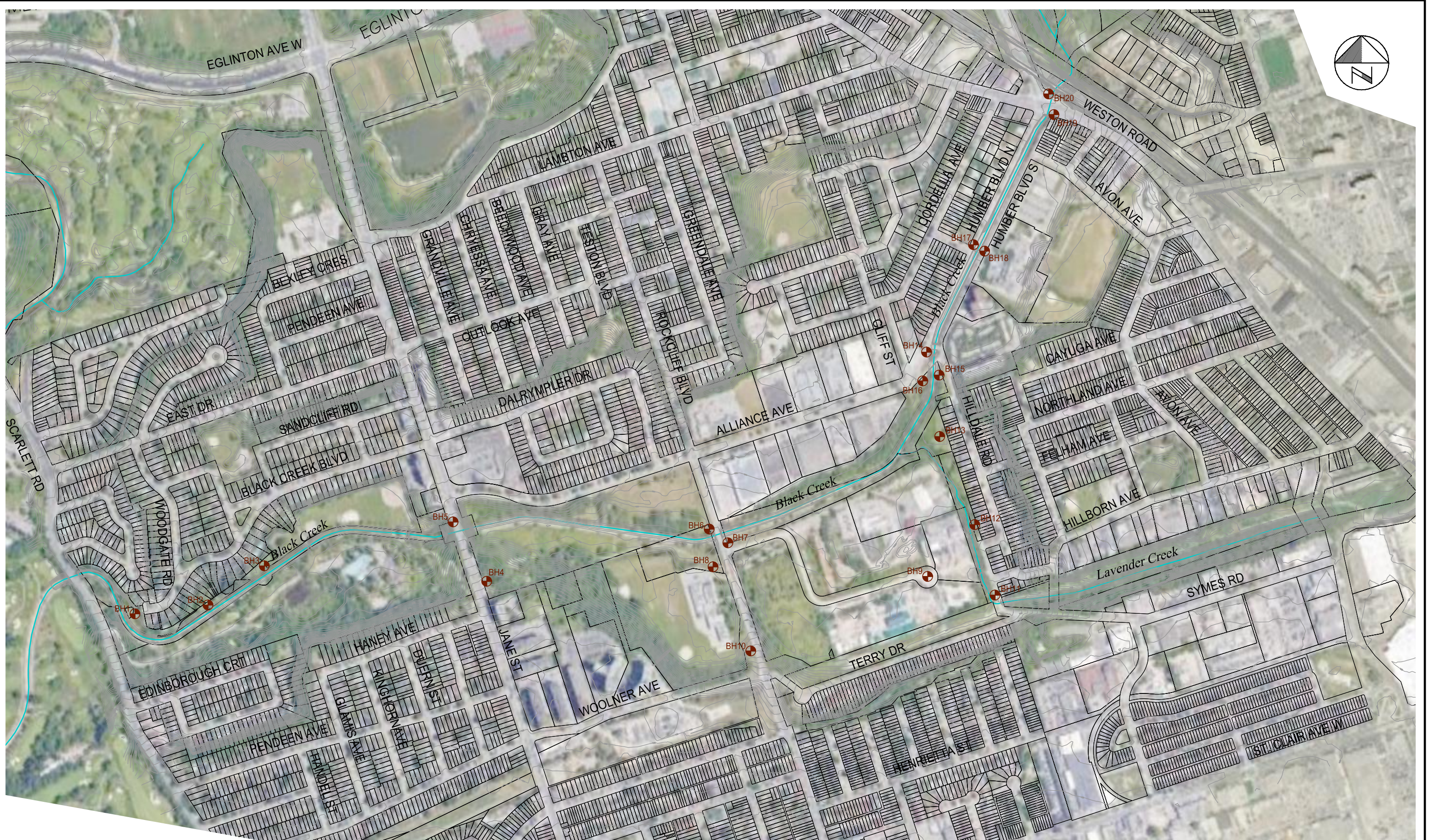
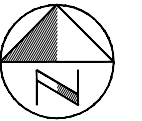
We trust the foregoing is clear, should you have any questions please contact our office.

SC/sc

Attach: Study Area Boundary File





Appendix B

Geotechnical Investigation Work Plan



Plotted By: richard.bartolo
Last Saved By: richard.bartolo
2019-06-28
2019-06-28
Path: C:\Work\RockCliff\Fig Borehole.dwg

LEGEND

-  PARCEL FABRIC
-  WATERCOURSE
-  CONTOUR (1m)
-  BOREHOLE LOCATION

FLOOD REMEDIATION AND
TRANSPORTATION FEASIBILITY
STUDY OF ROCKVILLE
SPECIAL POLICY AREA
TRCA

BOREHOLE
LOCATION
PLAN

wood.

SCALE VALID ONLY FOR
24"x36" VERSION

Scale 1:3750
0 37.5 75 150

Consultant File No.

Drawing No.

Chipps, Steve

From: Phil Jarow <Phil.Jarow@toronto.ca>
Sent: Monday, August 12, 2019 3:01 PM
To: Kokotec, Willie
Cc: Chipps, Steve; Horvat, Thomas
Subject: RE: Park Access Agreement ?

Hi Willie,

I had a look according to your drawings and maps. Please go ahead with your work. Please let me know if you have any issues at all.

Thank you
Phil

From: Kokotec, Willie [mailto:willie.kokotec@woodplc.com]
Sent: August 12, 2019 11:32 AM
To: Phil Jarow <Phil.Jarow@toronto.ca>
Cc: Chipps, Steve <steve.chipps@woodplc.com>; Horvat, Thomas <thomas.horvat@woodplc.com>
Subject: FW: Park Access Agreement ?

Hello Phil:

I was wondering if you had a chance to review the above noted documents for the proposed the boreholes along the Black Creek corridor between Scarlett Rd and Hilldale Road? We'd like to start the drilling program as soon as you give us the go ahead.

Please and thank you.

Willie Kokotec
Wood E & I Solutions

From: Horvat, Thomas <thomas.horvat@woodplc.com>
Sent: Friday, August 2, 2019 2:37 PM
To: Kokotec, Willie <willie.kokotec@woodplc.com>; Phil Jarow <Phil.Jarow@toronto.ca>
Subject: RE: Park Access Agreement ?

Hi Phil,

Attached is the Park Access Agreement, along with the proposed borehole locations both written and on a map.

The Ontario 1 Call utility locates are also attached. Borehole 8 utility locates have yet to be completed, hopefully we can still schedule a meeting for this location as well.

Please let me know if you require any more information.

Have a great weekend,

Regards,



Parks, Forestry and Recreation Division
Jim Hart, General Manager

Park Access Agreement

No: 07-17-2019

Date Issued: JULY 17, 2019

Expiry Date: SEPTEMBER 15, 2019

Location: SMYTHE PARK, BLACKCRAK PARK EAST, HILDALE PA.

Parks District: ET-YORK DISTRICT - WARD 5.

Issued to: Willie Kokotec

Telephone: 905 335-2353 ext. 3120 (cell: 416 570-4410)

Purpose: Drilling boreholes for geotechnical engineering purposes

I, Willie Kokotec of Wood E & I Solutions -3450 Harvester Rd., Unit100, Burlington, Ont., L7N3W5

Understand and agree to adhere to the Park Access Agreement Requirements shown on the back of this permit. I also understand and agree to adhere to the Occupational Health and Safety requirements as they pertain to construction and any other works intended at this site for the duration of the occupation.

Signed W Kokotec

Date July 15, 2019

Authorized for the General Manager of Parks, Forestry and Recreation

Date: JULY 17, 2019

Signed: Pf

Please Note:

1. This permit must be kept posted in a conspicuous place where it can be easily read, but must not be attached to a tree.
2. If this Park Access Agreement is lost or defaced a replacement must be obtained.
3. The Parks Supervisor must be advised of the date on which operations are intended to commence.

Name: PHIL JAROW

Telephone: 416-392-1337

Performance Bond Submitted: NO

Insurance Documents: policy # CGL326323 & XBC326360

Head Office Reference:

**PARK ACCESS AGREEMENT REQUIREMENTS FOR CONSTRUCTION,
OPERATIONS, EVENTS OR ACCESS WITHIN A CITY PARK UNDER
THE JURISDICTION OF THE PARKS, FORESTRY AND
RECREATION DIVISION– TORONTO**

1. The Contractor/Applicant must apply to Parks, Forestry and Recreation Division for a Park Access Agreement. This request usually goes to the Parks Supervisor of the District in which the park is situated for general inquiries. Telephone 416-392-1111 or Access Toronto (416-338-0338) to obtain Supervisor contact information. The Contractor/Applicant should name the park and the location within the park, provide a description of the nature and duration of the desired occupation and identify any potential hazards associated with the occupation of parkland
2. In order to get a Park Access Agreement each Contractor, Sub-Contractor or Applicant will be required to indemnify and save the City of Toronto harmless and must obtain, maintain in effect and provide an original insurance which includes the City of Toronto as an additional insured for the named insured's liability under the permitted project and containing a cross-liability/severability of interest clause with limits of a minimum of \$2,000,000 for the duration of the project. That Toronto reserves the right to increase the liability insurance limit at the discretion of the City's Deputy Manager and Chief Financial Officer. A performance bond and/or damage deposit may be requested also. The value of the bond and damage deposit is determined through negotiation with the Parks Supervisor and is based on potential damage to the parkland as a result of the occupation.
3. The Contractor/Applicant will be deemed to be, and must accept the duties of, a constructor and must comply with appropriate regulations made under the Health and Safety Act. The Contractor/Applicant must comply with appropriate regulation made under the Act and applicable environmental legislation. (A copy of the Contractor's Health and Safety Policy may be requested by the Division prior to issuing the Park Access Agreement). A copy of the Park Access Agreement must be available on site for the duration of the contract/event.
4. Prior to commencement of any work an on-site meeting will be held with the Parks Supervisor to review the requirements listed in this document, work to be performed and environmental and health and safety requirements. At this meeting noted may be taken by the Parks Supervisor and signed by the Contractor/Applicant in acknowledgement to indicate that listed procedures will follow legislated safety regulations
5. If digging or ground penetration is necessary and approved as part of the Park Access Agreement, the Applicant or his/her Agent is responsible for contacting the following utilities to arrange for stake-outs of the site:

Ontario One – Call Before You Dig (Hydro/Gas/Phone/Cable*)
1-800-400-2255 or www.on1call.com
*Rogers Cable Only 905-829-0098
Toronto Water Services (if applicable)
416-338-8888

Once stakeouts of these utilities have been completed, the Applicant or his/her Agent must contact the Parks Supervisor to provide written proof of completed utility stakeouts and arrange a Parks Division stakeout. A minimum of ten (10) days notice is required for a Divisional stakeout. Copies of all stakeout reports must be available on site for the duration of the contract and must be supplied to the Supervisor prior to commencing any work.
6. **Vehicle Regulations with respect to Toronto Park roadways and service drives must be adhered to:**
 - a. Entering and leaving a Toronto Park must adhere to the route determined by the Parks Supervisor to avoid unnecessary damage to turf, trees, and planted areas. Any load restrictions must be complied with.
 - b. Any vehicle entering or leaving a Toronto Park and not using a designated park road or service drive must be escorted by the operator's employee on foot, proceeding ahead of the vehicle.
 - c. Vehicles must adhere to a speed limit of 10km/hr when driving in a Toronto park (unless roadways are otherwise posted). Four way flashers must be on at all times when a vehicle is in motion.
 - d. Vehicle parking is not permitted in Toronto Parks. Under some circumstances vehicle may be parked in parking areas designated by the Parks Supervisor. Vehicles must not be parked under trees or on planted areas.
 - e. All vehicles backing up must be directed by the operator's employee on foot, behind the wheels.
 - f. Vehicle access to any Toronto Park is under the jurisdiction of the Parks, Forestry and Recreation Division staff, as representatives of the General Manager of Parks, Forestry and Recreation.
7. Construction and other operations at the site must be properly fenced off at all times and signed to prevent entry of or injury to, the public. Legislated safety equipment must be worn at all times by the Applicant or his/her Agent's employees.
8. Copies of any Ministry of Labour Inspection reports or orders and Joint Health and Safety Committee minutes must be available on site.
9. All work performed in a Toronto Park or Facility is under the authority of Toronto Parks, Forestry and Recreation Division staff. If instructed to cease work due to health and safety or environmental concerns, the Applicant or his/her Agent must comply immediately.
10. Construction and other materials must only be stored in areas approved by the Parks Supervisor. No materials are to be stored on designated walkways, planted areas or within the drip line circumference of a tree. When storing materials in the vicinity of trees, the requirements of Toronto Specifications of Construction near Trees (attached) must be adhered to.
11. All trees located on or close to a construction site must be protected from damage in accordance with Toronto Specifications for Construction Near Trees and any other tree protection measure as deemed appropriate by the Parks, Forestry and Recreation Division.
12. Roads and walkways must be kept clear of debris, excavation and construction materials. The Applicant or his/her Agent must claim roads and walkways as often as necessary to ensure they are clear.
13. Following the occupation, all debris must be removed from the Parks, Forestry and Recreation Division property by the Applicant or his/her Agent.
14. The Site must be restored to its original condition. Any damage to turf, plant materials, walkways, or other areas is to be fully restored to the satisfaction of the Division before refund of any damage deposit. Maintenance of sod, where laid, will remain the responsibility of the Applicant or his/her Agent for a two-week period. It is recommended that the Applicant or his/her Agent contact the Parks Supervisor prior to laying sod in order that Division standards may be reviewed. A site visit with the Park Supervisor will be held after the two-week period to determine whether the site has been adequately restored.
15. This document is to be read in conjunction with Toronto Specifications for Construction near Trees and Specifications for Sodding. (attached)

Phone: 416 395 6260
Fax: 416 395 7482
Emergency:
48 Hour Fax Notification:
Utility Cuts

Application Stream: Short

Map SubBlock:

District: Etobicoke and York

City Ward: 05

Pavement Degradation Fee: \$15

CUT PERMIT

PERMIT NUMBER: 83612601

APPLICANT: Capital Projects and Program (CPT) - CPT

100 QUEEN ST W , 22E
TRANSPORTATION SERVICES
TORONTO, Ontario M5G 1P5

CONTACT: Hussain Tamimi

Phone: (416) 338-6881

Contract No.: 6048256

CUT LOCATION BOULEVARD SIDEWALK ROAD LANEWAY MEDIAN

LOCATION: JANE ST at HANEY AVE

BH(1), JANE ST from 65m north of HANEY AVE to 70m north of HANEY AVE

Distance & Direction from nearest side street:

Distance & Direction from centre of pavement:

TYPE OF INSTALLATION:

Boreholes/Coreholes

CONSTRUCTION DATE:

FROM: Jul-22-2019

TO: Jan-22-2020

SPECIAL CONDITIONS:

- 1.0 All work is to be done in accordance to Contract No. 6048256
- 2.0 Contact Etobicoke York District Work Zone Traffic Coordinator (Nader Azar at 416 397-5019 for Wards 1, 2, & 3, or Craig Cripps at 416 397-5020 for Wards 5 & 7) for a site meeting at least ten (10) business days prior to commencement of work. You shall submit a Traffic Control Plan for the proposed work zone.
- 3.0 Upon decommissioning the borehole(s) or monitoring well(s), Applicant will make permanent repairs with 300 mm of a non-shrink expanding grout and 75 mm of HL-3 asphalt. Permit includes equipment.

The applicant shall, at their expense, comply with the conditions described in Appendix A of Chapter 743 ("Use of Streets and Sidewalks") of the Toronto Municipal Code. A copy of these conditions can be found at <http://www.toronto.ca/transportation/pdf/bylaw/streets-by-law-appendix-a-permit-conditions.pdf>

The Applicant covenants and agrees to indemnify The City of Toronto from any claim for injury or damage including lien claims arising from the construction operation and/or maintenance of the work referred to in this application except a claim attributable to the negligence of The City, its licensees, servants, agents or contractors. Provisions of this section to continue after the expiry of this permit.

STANDARD CONDITIONS

The Applicant agrees to adhere to the Municipal Consent Requirements including the following Standard Conditions:

- (A) By accepting the issued permit the applicant agrees to indemnify and to save harmless the corporation of the City of Toronto, all assets and personnel it is in law responsible for, from any and all claims and/or actions that may arise from the granting of this permit, and further agrees that all installation and permanent reinstatement works performed under this permit within the limits of the city road allowance will be maintained and guaranteed for a period of 24 months from the date of work completion acceptance by the city.
- (B) The Applicant will supply all signing/barricades for pedestrian and vehicular safety. The placement of signs/barricades and all subsequent work must be carried out in conformity with the most current edition of the Ontario Traffic Manual Book 7.
- (C) Municipal Consent Requirements (MCR) website <http://www.toronto.ca/engineering/mcr/>
- (D) 1. If the work necessitates removal or other temporary decommissioning of pay and display parking machines or parking meters, contact the On-street Coordinator, Toronto Parking Authority (TPA) at 416-393-7397 at least three (3) business days (72 hours) prior. TPA will carry out all such removals [at applicant's expense]. If this condition is not adhered to, the applicant will be responsible for all costs associated with any damage to the parking equipment. Applicant is responsible for lost parking revenue, to be determined by TPA.
- (E) All Soil Analysis and Environmental Assessments resulting from soil testing within the City of Toronto streets must be submitted to Transportation Services, District office.
- (F) Where construction may affect City of Toronto Traffic signal plant, including conduit and loops; the Applicant must contact Ontario One Call. Phone 1-800-400-2255 or <http://www.on1call.com/web-portal/> for a stake out.
- (G) The Applicant is required to confirm the location of all services and plant, and obtain the appropriate written concurrences and stakeouts of all below-grade services within the area of construction prior to commencement of any work.
- (H) Steel plates must be of sufficient strength and thickness to withstand day to day traffic loading. Top of plates must be skid resistant and installed slightly below the existing surface in conformance with the MCR.
- (I) The Cut Permit is subject to cancellation at any time without notice. With the exception of 'Emergency' work, no installation shall commence before the issuance of a Cut Permit by the City of Toronto. If the work arising out of an application is not commenced within the construction dates of the Cut Permit, the Applicant will be required to apply for an extension of the Cut Permit.
- (J) The Cut Permit authorizes occupation only during the times and at the location(s) specified herein. Any change to the time or location of the work will require the submission of a new application to the General Manager of Transportation Services. This Cut Permit MUST be kept on location for the duration of the occupation. The permit must be produced upon request to representatives of the Toronto Police Services or any other City official.
- (K) Material storage shall be considered as part of the work area and traffic impact practices shall adhere to the provisions of the MCR.
- (L) Cuts made in sodded boulevards during late fall, winter and spring are to be finish graded with all excess soil being removed and sodded as soon as possible in the spring when sod is available. Cuts made in the sodded boulevards during the summer and early fall are to be finish graded with all excess soil being removed as soon as possible in the early fall. All sodding shall conform to the requirements of TS 5.00: City of Toronto Construction Specification for Sodding.
- (M) A sign identifying the name of the company owning the work, the contractor undertaking the work and 24-hour contact phone number(s) shall be prominently displayed at the work site for any work which has a duration of 48 hours or longer. The sign shall be clearly legible to pedestrians and drivers passing the work site.
- (N) City owned trees must be protected from damage in accordance with Tree Protection Policy and Specifications for Construction Near Trees.
- (O) a. All hoses are to cross the sidewalk at a right angle to the curb and then run parallel to the curb toward the catch basin b. The Applicant must cover hoses with a non-slip ramped surface for pedestrian safety.
- (P) Minimum depth of cover for new installations shall be as indicated in the MCR.
- (Q) The Applicant must comply with the current City of Toronto noise by-laws. For more information, the Applicant can contact the appropriate District office of Municipal Licensing and Standards.
- (R) The Applicant must notify any Business Improvement Areas within the limits.
- (S) In accordance with the City's Traffic Control Guidelines, the Applicant shall contact the appropriate District Office of Transportation Services prior to commencing work.
- (T) 'Within 60 days of completion of the project and in accordance with the Provision of Location Certificates-Chapter 743 of the Toronto Municipal Code, as-constructed drawings must be submitted to Engineering Review, Attention: Utility Mapping Supervisor, 275 Merton Street, Toronto, ON M4S 1A7'
- (U) a.) No work, object or structure to be placed or installed within 3m of overhead electricity lines. (Requirement under the Ontario Occupational Health and Safety Act and Regulation 213 S188.), b.) Applicant to contact Toronto Hydro (416.542.2618) to have overhead electricity lines de-energized or relocated at the Applicant's cost prior to starting work.
- (V) Horizontal Control Monuments identified or found in the field shall be protected. The Applicant is responsible for and shall incur all costs should a control monument be damaged, relocated, removed or have its elevation changed.
- (W) This permit is only valid for work on the City Owned Road Right-of-Way. All work on private property or unassumed road must be done at the permission of the property owner or developer
- (X) SPECIAL DECORATIVE SIDEWALKS,CURBS AND POSSIBLE AREAWAYS/TTC TUNNELS - No cuts allowed on sidewalks or curbs - if no alternative, Applicant is responsible for carrying out permanent repairs as defined by the Property Management/Building Owner.
- (Y) The applicant must submit a RoDARS Notification Form to TMC Dispatch at least two business days before the start of occupation. The RoDARS Notification Form must be approved by the appropriate Work Zone Traffic Coordinator (WZTC) before being submitted to TMC Dispatch.
- (Z) Applicant/Contractor must notify affected residents and businesses no less than 48 hrs prior to construction.

Phone: 416 395 6260
Fax: 416 395 7482
Emergency:
48 Hour Fax Notification:
Utility Cuts

Application Stream: Short
Map SubBlock:
District: Etobicoke and York
City Ward: 05
Pavement Degradation Fee: \$15

CUT PERMIT

PERMIT NUMBER: 83612602

APPLICANT: Capital Projects and Program (CPT) - CPT
100 QUEEN ST W , 22E
TRANSPORTATION SERVICES
TORONTO, Ontario M5G 1P5

CONTACT: Hussain Tamimi
Phone: (416) 338-6881
Contract No.: 6048256

CUT LOCATION BOULEVARD SIDEWALK ROAD LANEWAY MEDIAN

LOCATION: JANE ST at ALLIANCE AVE
BH(1), JANE ST from approx. 50m south of Alliance Ave

Distance & Direction from nearest side street:

Distance & Direction from centre of pavement:

TYPE OF INSTALLATION:
Boreholes/Coreholes

CONSTRUCTION DATE:
FROM: Jul-22-2019 **TO:** Jan-22-2020

SPECIAL CONDITIONS:
In the proximity of the above specified location there are loop detector devices installed that could be damaged during the repair work. It is the Applicant responsibility to coordinate the necessary repairs. Contact the Traffic System Maintenance unit at TSMAssetMtce@toronto.ca for further information.

- 1.0 All work is to be done in accordance to Contract No. 6048256
- 2.0 Contact Etobicoke York District Work Zone Traffic Coordinator (Nader Azar at 416 397-5019 for Wards 1, 2, & 3, or Craig Cripps at 416 397-5020 for Wards 5 & 7) for a site meeting at least ten (10) business days prior to commencement of work. You shall submit a Traffic Control Plan for the proposed work zone.
- 3.0 Upon decommissioning the borehole(s) or monitoring well(s), Applicant will make permanent repairs with 300 mm of a non-shrink expanding grout and 75 mm of HL-3 asphalt. Permit includes equipment.

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The Applicant covenants and agrees to indemnify The City of Toronto from any claim for injury or damage including lien claims arising from the construction operation and/or maintenance of the work referred to in this application except a claim attributable to the negligence of The City, its licensees, servants, agents or contractors. Provisions of this section to continue after the expiry of this permit.

For: General Manager of
Transportation Services

Aaron Leung

Aaron Leung

Date Issued: Jul 22, 2019
Date Printed: Jul 22, 2019

STANDARD CONDITIONS

The Applicant agrees to adhere to the Municipal Consent Requirements including the following Standard Conditions:

- (A) By accepting the issued permit the applicant agrees to indemnify and to save harmless the corporation of the City of Toronto, all assets and personnel it is in law responsible for, from any and all claims and/or actions that may arise from the granting of this permit, and further agrees that all installation and permanent reinstatement works performed under this permit within the limits of the city road allowance will be maintained and guaranteed for a period of 24 months from the date of work completion acceptance by the city.
- (B) The Applicant will supply all signing/barricades for pedestrian and vehicular safety. The placement of signs/barricades and all subsequent work must be carried out in conformity with the most current edition of the Ontario Traffic Manual Book 7.
- (C) Municipal Consent Requirements (MCR) website <http://www.toronto.ca/engineering/mcr/>
- (D) 1. If the work necessitates removal or other temporary decommissioning of pay and display parking machines or parking meters, contact the On-street Coordinator, Toronto Parking Authority (TPA) at 416-393-7397 at least three (3) business days (72 hours) prior. TPA will carry out all such removals [at applicant's expense]. If this condition is not adhered to, the applicant will be responsible for all costs associated with any damage to the parking equipment. Applicant is responsible for lost parking revenue, to be determined by TPA.
- (E) All Soil Analysis and Environmental Assessments resulting from soil testing within the City of Toronto streets must be submitted to Transportation Services, District office.
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- (H) Steel plates must be of sufficient strength and thickness to withstand day to day traffic loading. Top of plates must be skid resistant and installed slightly below the existing surface in conformance with the MCR.
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- (M) A sign identifying the name of the company owning the work, the contractor undertaking the work and 24-hour contact phone number(s) shall be prominently displayed at the work site for any work which has a duration of 48 hours or longer. The sign shall be clearly legible to pedestrians and drivers passing the work site.
- (N) City owned trees must be protected from damage in accordance with Tree Protection Policy and Specifications for Construction Near Trees.
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Phone: 416 395 6260
Fax: 416 395 7482
Emergency:
48 Hour Fax Notification:
Utility Cuts

CUT PERMIT

PERMIT NUMBER: 83612603

Application Stream: Short
Map SubBlock:
District: Etobicoke and York
City Ward: 05
Pavement Degradation Fee: \$14

APPLICANT: Capital Projects and Program (CPT) - CPT
100 QUEEN ST W , 22E
TRANSPORTATION SERVICES
TORONTO, Ontario M5G 1P5

CONTACT: Hussain Tamimi
Phone: (416) 338-6881
Contract No.: 6048256

CUT LOCATION BOULEVARD SIDEWALK ROAD LANEWAY MEDIAN

LOCATION: ROCKCLIFFE BLVD at ROCKCLIFFE CRT
ROAD MORATORIUM BH(1), ROCKCLIFFE BLVD from approx. 50m north of ROCKCLIFFE COURT

Distance & Direction from nearest side street:

Distance & Direction from centre of pavement:

TYPE OF INSTALLATION:

Boreholes/Coreholes

CONSTRUCTION DATE:

FROM: Jul-22-2019

TO: Jan-22-2020

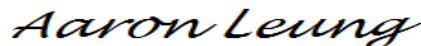
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- 3.0 Upon decommissioning the borehole(s) or monitoring well(s), Applicant will make permanent repairs with 300 mm of a non-shrink expanding grout and 75 mm of HL-3 asphalt. Permit includes equipment.
- 4.0 The street "ROCKCLIFFE BLVD" has been identified as being listed on the Moratorium List. Keep cuts/damage to a minimum. Permanent repairs to be carried out as per the Municipal Consent Requirements (MCR) and TS 4.60. Enhanced restoration may be required at applicant's cost.

The applicant shall, at their expense, comply with the conditions described in Appendix A of Chapter 743 ("Use of Streets and Sidewalks") of the Toronto Municipal Code. A copy of these conditions can be found at <http://www.toronto.ca/transportation/pdf/bylaw/streets-by-law-appendix-a-permit-conditions.pdf>

The Applicant covenants and agrees to indemnify The City of Toronto from any claim for injury or damage including lien claims arising from the construction operation and/or maintenance of the work referred to in this application except a claim attributable to the negligence of The City, its licensees, servants, agents or contractors. Provisions of this section to continue after the expiry of this permit.

For: General Manager of
Transportation Services



Aaron Leung

Date Issued: Jul 22, 2019

Date Printed: Jul 22, 2019

STANDARD CONDITIONS

The Applicant agrees to adhere to the Municipal Consent Requirements including the following Standard Conditions:

- (A) By accepting the issued permit the applicant agrees to indemnify and to save harmless the corporation of the City of Toronto, all assets and personnel it is in law responsible for, from any and all claims and/or actions that may arise from the granting of this permit, and further agrees that all installation and permanent reinstatement works performed under this permit within the limits of the city road allowance will be maintained and guaranteed for a period of 24 months from the date of work completion acceptance by the city.
- (B) The Applicant will supply all signing/barricades for pedestrian and vehicular safety. The placement of signs/barricades and all subsequent work must be carried out in conformity with the most current edition of the Ontario Traffic Manual Book 7.
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- (D) 1. If the work necessitates removal or other temporary decommissioning of pay and display parking machines or parking meters, contact the On-street Coordinator, Toronto Parking Authority (TPA) at 416-393-7397 at least three (3) business days (72 hours) prior. TPA will carry out all such removals [at applicant's expense]. If this condition is not adhered to, the applicant will be responsible for all costs associated with any damage to the parking equipment. Applicant is responsible for lost parking revenue, to be determined by TPA.
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48 Hour Fax Notification:
Utility Cuts

CUT PERMIT

PERMIT NUMBER: 83612604
Application Stream: Short

Map SubBlock:
District: Etobicoke and York

City Ward: 05

Pavement Degradation Fee: \$14

APPLICANT: Capital Projects and Program (CPT) - CPT
100 QUEEN ST W , 22E
TRANSPORTATION SERVICES
TORONTO, Ontario M5G 1P5

CONTACT: Hussain Tamimi
Phone: (416) 338-6881
Contract No.: 6048256

CUT LOCATION BOULEVARD SIDEWALK ROAD LANEWAY MEDIAN

LOCATION: ROCKCLIFFE CRT at ROCKCLIFFE BLVD
BH(1), ROCKCLIFFE CRT from approx. 15m east of ROCKCLIFFE BLVD

Distance & Direction from nearest side street:

Distance & Direction from centre of pavement:

TYPE OF INSTALLATION:

Boreholes/Coreholes

CONSTRUCTION DATE:
FROM: Jul-22-2019

TO: Jan-22-2020

SPECIAL CONDITIONS:

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Fax: 416 395 7482
Emergency:
48 Hour Fax Notification:
Utility Cuts

CUT PERMIT

PERMIT NUMBER: 83612606

Application Stream: Short
Map SubBlock:
District: Etobicoke and York
City Ward: 05
Pavement Degradation Fee: \$20

APPLICANT: Capital Projects and Program (CPT) - CPT
100 QUEEN ST W , 22E
TRANSPORTATION SERVICES
TORONTO, Ontario M5G 1P5

CONTACT: Hussain Tamimi
Phone: (416) 338-6881
Contract No.: 6048256

CUT LOCATION BOULEVARD SIDEWALK ROAD LANEWAY MEDIAN

LOCATION: ROCKCLIFFE BLVD at WOOLNER AVE
ROAD MORATORIUM BH(1), ROCKCLIFFE BLVD from approx. 50m north of WOOLNER AVE. / TERRY DR

Distance & Direction from nearest side street:

Distance & Direction from centre of pavement:

TYPE OF INSTALLATION:

Boreholes/Coreholes

CONSTRUCTION DATE:

FROM: Jul-22-2019

TO: Jan-22-2020

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Phone: 416 395 6260
Fax: 416 395 7482
Emergency:
48 Hour Fax Notification:
Utility Cuts

Application Stream: Short
Map SubBlock:
District: Etobicoke and York
City Ward: 05

Pavement Degradation Fee: \$27

CUT PERMIT

PERMIT NUMBER: 83612607

APPLICANT: Capital Projects and Program (CPT) - CPT
100 QUEEN ST W , 22E
TRANSPORTATION SERVICES
TORONTO, Ontario M5G 1P5

CONTACT: Hussain Tamimi
Phone: (416) 338-6881
Contract No.: 6048256

CUT LOCATION BOULEVARD SIDEWALK ROAD LANEWAY MEDIAN

LOCATION: SYMES RD at HILLBORN AVE
BH(1), SYMES ROAD from approx. 35m south of HILLBORN AVE

Distance & Direction from nearest side street:

Distance & Direction from centre of pavement:

TYPE OF INSTALLATION:

Boreholes/Coreholes

CONSTRUCTION DATE:

FROM: Jul-22-2019

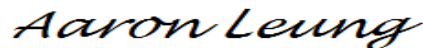
TO: Jan-22-2020

SPECIAL CONDITIONS:

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- 3.0 Upon decommissioning the borehole(s) or monitoring well(s), Applicant will make permanent repairs with 300 mm of a non-shrink expanding grout and 75 mm of HL-3 asphalt. Permit includes equipment.

The applicant shall, at their expense, comply with the conditions described in Appendix A of Chapter 743 ("Use of Streets and Sidewalks") of the Toronto Municipal Code. A copy of these conditions can be found at <http://www.toronto.ca/transportation/pdf/bylaw/streets-by-law-appendix-a-permit-conditions.pdf>

The Applicant covenants and agrees to indemnify The City of Toronto from any claim for injury or damage including lien claims arising from the construction operation and/or maintenance of the work referred to in this application except a claim attributable to the negligence of The City, its licensees, servants, agents or contractors. Provisions of this section to continue after the expiry of this permit.



STANDARD CONDITIONS

The Applicant agrees to adhere to the Municipal Consent Requirements including the following Standard Conditions:

- (A) By accepting the issued permit the applicant agrees to indemnify and to save harmless the corporation of the City of Toronto, all assets and personnel it is in law responsible for, from any and all claims and/or actions that may arise from the granting of this permit, and further agrees that all installation and permanent reinstatement works performed under this permit within the limits of the city road allowance will be maintained and guaranteed for a period of 24 months from the date of work completion acceptance by the city.
- (B) The Applicant will supply all signing/barricades for pedestrian and vehicular safety. The placement of signs/barricades and all subsequent work must be carried out in conformity with the most current edition of the Ontario Traffic Manual Book 7.
- (C) Municipal Consent Requirements (MCR) website <http://www.toronto.ca/engineering/mcr/>
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Phone:	416 395 6260
Fax:	416 395 7482
Emergency:	
48 Hour Fax Notification:	
Utility Cuts	
Application Stream:	Short
Map SubBlock:	
District:	Etobicoke and York
City Ward:	05
Pavement Degradation Fee:	\$27

CUT PERMIT

PERMIT NUMBER: **83612608**

APPLICANT: Capital Projects and Program (CPT) - CPT 100 QUEEN ST W , 22E TRANSPORTATION SERVICES TORONTO, Ontario M5G 1P5	CONTACT: Hussain Tamimi Phone: (416) 338-6881 Contract No.: 6048256
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CUT LOCATION BOULEVARD SIDEWALK ROAD LANEWAY MEDIAN

LOCATION: SYMES RD at ORMAN AVE
BH(1), SYMES ROAD from approx. 30m north of ORMAN AVE

Distance & Direction from nearest side street:

Distance & Direction from centre of pavement:

TYPE OF INSTALLATION:
Boreholes/Coreholes

CONSTRUCTION DATE:
FROM: Jul-22-2019 **TO:** Jan-22-2020

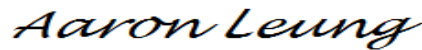
SPECIAL CONDITIONS:

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For: General Manager of
Transportation Services



Aaron Leung

Date Issued: Jul 22, 2019

Date Printed: Jul 22, 2019

STANDARD CONDITIONS

The Applicant agrees to adhere to the Municipal Consent Requirements including the following Standard Conditions:

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Phone: 416 395 6260
Fax: 416 395 7482
Emergency:
48 Hour Fax Notification:
Utility Cuts

Application Stream: Short

Map SubBlock:

District: Etobicoke and York

City Ward: 05

Pavement Degradation Fee: \$9

CUT PERMIT

PERMIT NUMBER: 83612609

APPLICANT: Capital Projects and Program (CPT) - CPT
100 QUEEN ST W , 22E
TRANSPORTATION SERVICES
TORONTO, Ontario M5G 1P5

CONTACT: Hussain Tamimi
Phone: (416) 338-6881
Contract No.: 6048256

CUT LOCATION BOULEVARD SIDEWALK ROAD LANEWAY MEDIAN

LOCATION: HUMBER BLVD (YK) at HILLDALE RD
BH(1), HUMBER BLVD N from approx. 10m southwest of HILLSDALE RD. bridge

Distance & Direction from nearest side street:

Distance & Direction from centre of pavement:

TYPE OF INSTALLATION:

Boreholes/Coreholes

CONSTRUCTION DATE:

FROM: Jul-22-2019

TO: Jan-22-2020

SPECIAL CONDITIONS:

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Phone: 416 395 6260
Fax: 416 395 7482
Emergency:
48 Hour Fax Notification:
Utility Cuts

Application Stream: Short
Map SubBlock:
District: Etobicoke and York
City Ward: 05

Pavement Degradation Fee: \$9

CUT PERMIT

PERMIT NUMBER: 83612610

APPLICANT: Capital Projects and Program (CPT) - CPT
100 QUEEN ST W , 22E
TRANSPORTATION SERVICES
TORONTO, Ontario M5G 1P5

CONTACT: Hussain Tamimi
Phone: (416) 338-6881
Contract No.: 6048256

CUT LOCATION BOULEVARD SIDEWALK ROAD LANEWAY MEDIAN

LOCATION: HUMBER BLVD (YK) at ALLIANCE AVE
BH(1), HUMBER BLVD from approx. 20m south of ALLIANCE AVE

Distance & Direction from nearest side street:

Distance & Direction from centre of pavement:

TYPE OF INSTALLATION:

Boreholes/Coreholes

CONSTRUCTION DATE:

FROM: Jul-22-2019

TO: Jan-22-2020

SPECIAL CONDITIONS:

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- 3.0 Upon decommissioning the borehole(s) or monitoring well(s), Applicant will make permanent repairs with 300 mm of a non-shrink expanding grout and 75 mm of HL-3 asphalt. Permit includes equipment.

The applicant shall, at their expense, comply with the conditions described in Appendix A of Chapter 743 ("Use of Streets and Sidewalks") of the Toronto Municipal Code. A copy of these conditions can be found at <http://www.toronto.ca/transportation/pdf/bylaw/streets-by-law-appendix-a-permit-conditions.pdf>

The Applicant covenants and agrees to indemnify The City of Toronto from any claim for injury or damage including lien claims arising from the construction operation and/or maintenance of the work referred to in this application except a claim attributable to the negligence of The City, its licensees, servants, agents or contractors. Provisions of this section to continue after the expiry of this permit.

STANDARD CONDITIONS

The Applicant agrees to adhere to the Municipal Consent Requirements including the following Standard Conditions:

- (A) By accepting the issued permit the applicant agrees to indemnify and to save harmless the corporation of the City of Toronto, all assets and personnel it is in law responsible for, from any and all claims and/or actions that may arise from the granting of this permit, and further agrees that all installation and permanent reinstatement works performed under this permit within the limits of the city road allowance will be maintained and guaranteed for a period of 24 months from the date of work completion acceptance by the city.
- (B) The Applicant will supply all signing/barricades for pedestrian and vehicular safety. The placement of signs/barricades and all subsequent work must be carried out in conformity with the most current edition of the Ontario Traffic Manual Book 7.
- (C) Municipal Consent Requirements (MCR) website <http://www.toronto.ca/engineering/mcr/>
- (D) 1. If the work necessitates removal or other temporary decommissioning of pay and display parking machines or parking meters, contact the On-street Coordinator, Toronto Parking Authority (TPA) at 416-393-7397 at least three (3) business days (72 hours) prior. TPA will carry out all such removals [at applicant's expense]. If this condition is not adhered to, the applicant will be responsible for all costs associated with any damage to the parking equipment. Applicant is responsible for lost parking revenue, to be determined by TPA.
- (E) All Soil Analysis and Environmental Assessments resulting from soil testing within the City of Toronto streets must be submitted to Transportation Services, District office.
- (F) Where construction may affect City of Toronto Traffic signal plant, including conduit and loops; the Applicant must contact Ontario One Call. Phone 1-800-400-2255 or <http://www.on1call.com/web-portal/> for a stake out.
- (G) The Applicant is required to confirm the location of all services and plant, and obtain the appropriate written concurrences and stakeouts of all below-grade services within the area of construction prior to commencement of any work.
- (H) Steel plates must be of sufficient strength and thickness to withstand day to day traffic loading. Top of plates must be skid resistant and installed slightly below the existing surface in conformance with the MCR.
- (I) The Cut Permit is subject to cancellation at any time without notice. With the exception of 'Emergency' work, no installation shall commence before the issuance of a Cut Permit by the City of Toronto. If the work arising out of an application is not commenced within the construction dates of the Cut Permit, the Applicant will be required to apply for an extension of the Cut Permit.
- (J) The Cut Permit authorizes occupation only during the times and at the location(s) specified herein. Any change to the time or location of the work will require the submission of a new application to the General Manager of Transportation Services. This Cut Permit MUST be kept on location for the duration of the occupation. The permit must be produced upon request to representatives of the Toronto Police Services or any other City official.
- (K) Material storage shall be considered as part of the work area and traffic impact practices shall adhere to the provisions of the MCR.
- (L) Cuts made in sodded boulevards during late fall, winter and spring are to be finish graded with all excess soil being removed and sodded as soon as possible in the spring when sod is available. Cuts made in the sodded boulevards during the summer and early fall are to be finish graded with all excess soil being removed as soon as possible in the early fall. All sodding shall conform to the requirements of TS 5.00: City of Toronto Construction Specification for Sodding.
- (M) A sign identifying the name of the company owning the work, the contractor undertaking the work and 24-hour contact phone number(s) shall be prominently displayed at the work site for any work which has a duration of 48 hours or longer. The sign shall be clearly legible to pedestrians and drivers passing the work site.
- (N) City owned trees must be protected from damage in accordance with Tree Protection Policy and Specifications for Construction Near Trees.
- (O) a. All hoses are to cross the sidewalk at a right angle to the curb and then run parallel to the curb toward the catch basin b. The Applicant must cover hoses with a non-slip ramped surface for pedestrian safety.
- (P) Minimum depth of cover for new installations shall be as indicated in the MCR.
- (Q) The Applicant must comply with the current City of Toronto noise by-laws. For more information, the Applicant can contact the appropriate District office of Municipal Licensing and Standards.
- (R) The Applicant must notify any Business Improvement Areas within the limits.
- (S) In accordance with the City's Traffic Control Guidelines, the Applicant shall contact the appropriate District Office of Transportation Services prior to commencing work.
- (T) 'Within 60 days of completion of the project and in accordance with the Provision of Location Certificates-Chapter 743 of the Toronto Municipal Code, as-constructed drawings must be submitted to Engineering Review, Attention: Utility Mapping Supervisor, 275 Merton Street, Toronto, ON M4S 1A7'
- (U) a.) No work, object or structure to be placed or installed within 3m of overhead electricity lines. (Requirement under the Ontario Occupational Health and Safety Act and Regulation 213 S188.), b.) Applicant to contact Toronto Hydro (416.542.2618) to have overhead electricity lines de-energized or relocated at the Applicant's cost prior to starting work.
- (V) Horizontal Control Monuments identified or found in the field shall be protected. The Applicant is responsible for and shall incur all costs should a control monument be damaged, relocated, removed or have its elevation changed.
- (W) This permit is only valid for work on the City Owned Road Right-of-Way. All work on private property or unassumed road must be done at the permission of the property owner or developer
- (X) SPECIAL DECORATIVE SIDEWALKS,CURBS AND POSSIBLE AREAWAYS/TTC TUNNELS - No cuts allowed on sidewalks or curbs - if no alternative, Applicant is responsible for carrying out permanent repairs as defined by the Property Management/Building Owner.
- (Y) The applicant must submit a RoDARS Notification Form to TMC Dispatch at least two business days before the start of occupation. The RoDARS Notification Form must be approved by the appropriate Work Zone Traffic Coordinator (WZTC) before being submitted to TMC Dispatch.
- (Z) Applicant/Contractor must notify affected residents and businesses no less than 48 hrs prior to construction.

Phone: 416 395 6260
Fax: 416 395 7482
Emergency:
48 Hour Fax Notification:
Utility Cuts

CUT PERMIT

Application Stream: Short
Map SubBlock:
District: Etobicoke and York
City Ward: 05
PERMIT NUMBER: 83612611
Pavement Degradation Fee: \$34
APPLICANT: Capital Projects and Program (CPT) - CPT
100 QUEEN ST W , 22E
TRANSPORTATION SERVICES
TORONTO, Ontario M5G 1P5

CONTACT: Hussain Tamimi
Phone: (416) 338-6881
Contract No.: 6048256

CUT LOCATION BOULEVARD SIDEWALK ROAD LANEWAY MEDIAN

LOCATION: ALLIANCE AVE at CLIFF ST
BH(1), ALLIANCE AVE from approx. 16m east of CLIFF ST

Distance & Direction from nearest side street:

Distance & Direction from centre of pavement:

TYPE OF INSTALLATION:

Boreholes/Coreholes

CONSTRUCTION DATE:
FROM: Jul-22-2019

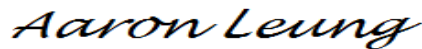
TO: Jan-22-2020

SPECIAL CONDITIONS:

- 1.0 All work is to be done in accordance to Contract No. 6048256
- 2.0 Contact Etobicoke York District Work Zone Traffic Coordinator (Nader Azar at 416 397-5019 for Wards 1, 2, & 3, or Craig Cripps at 416 397-5020 for Wards 5 & 7) for a site meeting at least ten (10) business days prior to commencement of work. You shall submit a Traffic Control Plan for the proposed work zone.
- 3.0 Upon decommissioning the borehole(s) or monitoring well(s), Applicant will make permanent repairs with 300 mm of a non-shrink expanding grout and 75 mm of HL-3 asphalt. Permit includes equipment.

The applicant shall, at their expense, comply with the conditions described in Appendix A of Chapter 743 ("Use of Streets and Sidewalks") of the Toronto Municipal Code. A copy of these conditions can be found at <http://www.toronto.ca/transportation/pdf/bylaw/streets-bylaw-appendix-a-permit-conditions.pdf>

The Applicant covenants and agrees to indemnify The City of Toronto from any claim for injury or damage including lien claims arising from the construction operation and/or maintenance of the work referred to in this application except a claim attributable to the negligence of The City, its licensees, servants, agents or contractors. Provisions of this section to continue after the expiry of this permit.



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The Applicant agrees to adhere to the Municipal Consent Requirements including the following Standard Conditions:

- (A) By accepting the issued permit the applicant agrees to indemnify and to save harmless the corporation of the City of Toronto, all assets and personnel it is in law responsible for, from any and all claims and/or actions that may arise from the granting of this permit, and further agrees that all installation and permanent reinstatement works performed under this permit within the limits of the city road allowance will be maintained and guaranteed for a period of 24 months from the date of work completion acceptance by the city.
- (B) The Applicant will supply all signing/barricades for pedestrian and vehicular safety. The placement of signs/barricades and all subsequent work must be carried out in conformity with the most current edition of the Ontario Traffic Manual Book 7.
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- (H) Steel plates must be of sufficient strength and thickness to withstand day to day traffic loading. Top of plates must be skid resistant and installed slightly below the existing surface in conformance with the MCR.
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- (Q) The Applicant must comply with the current City of Toronto noise by-laws. For more information, the Applicant can contact the appropriate District office of Municipal Licensing and Standards.
- (R) The Applicant must notify any Business Improvement Areas within the limits.
- (S) In accordance with the City's Traffic Control Guidelines, the Applicant shall contact the appropriate District Office of Transportation Services prior to commencing work.
- (T) 'Within 60 days of completion of the project and in accordance with the Provision of Location Certificates-Chapter 743 of the Toronto Municipal Code, as-constructed drawings must be submitted to Engineering Review, Attention: Utility Mapping Supervisor, 275 Merton Street, Toronto, ON M4S 1A7'
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- (Z) Applicant/Contractor must notify affected residents and businesses no less than 48 hrs prior to construction.

Horvat, Thomas

From: Solutions@on1call.com
Sent: Thursday, July 18, 2019 9:45 PM
To: Horvat, Thomas
Subject: Request 20192922534
Attachments: MapSelection_18072019_21414019.png



LOCATE REQUEST CONFIRMATION

TICKET #:
20192922534

REQUEST PRIORITY:
STANDARD

REQUEST TYPE: REGULAR

WORK TO BEGIN DATE:
07/25/2019

Update of Ticket #

Project #

Transmit date: 07/18/2019
09:44:09 PM

REQUESTOR'S CONTACT INFORMATION

Contractor ID#: 245900	Company Phone #: (905) 818-9900
Contact Name: Thomas Horvat	Cell #:
Alternate Contact Name:	Fax #:
Company name: Wood	Email: thomas.horvat@woodplc.com
Address: 3450 Harvester RD	Alternate Contact #:

DIG INFORMATION

Region/County: TORONTO	Type of work: BORE HOLES	Mark & Fax: NO
Community:	Max Depth: 100.00 FT	Area is not marked: NO
City: TORONTO	Machine Dig: YES	Area is marked: YES
Address: HILLDALE RD	Hand Dig: NO	Site Meet Req.: NO
Intersecting Street 1: ORMAN AVE	Directional Drilling: NO	Work being done for:
Intersecting Street 2: ALLIANCE AVE	Public Property: YES	
	Private Property: NO	

DETAILED DESCRIPTION OF WORK

REMARKS

CORLOT=U 1 Borehole marked on grass with wooden stake. Labeled BH13. Please mark a 5 m radius around borehole marking. Please include BH ID in drawing s.

MEMBERS NOTIFIED: The following owners of underground infrastructure in the area of your excavation site have been notified.

Member name	Station Code	Initial Status
TORONTO SEWER (TORWW07)	TORWW07	Notification sent
PVS FOR ENBRIDGE GAS (ENTW01S)	ENTW01S	Notification sent
PVS FOR TORONTO HYDRO (THTW01S)	THTW01S	Notification sent
PVS FOR BELL CANADA (BCTW01S)	BCTW01S	Notification sent
PVS FOR TORONTO WATER (TORWW01)	TORWW01	Notification sent

MAP SELECTION: Map Selection provided by the excavator through Ontario One Call's map tool or through agent interpretation by



IMPORTANT INFORMATION: Please read.

Defining "NC" - Non-Compliant

- Non-compliant members have not met their obligations under section 5 of the Ontario Underground Infrastructure Notification Act. ON1Call has notified these members to ensure they are aware of your excavation. In this circumstance, should the member not respond, the excavator should contact the member directly to obtain their locates or request a status. ON1Call will not be provided with a locate status from the member regarding this ticket and therefore, cannot provide further information at this time. For locate status contact information please refer to our website.

You have a valid locate when...

- You have reviewed your locate request information for accuracy. CONTACT Ontario One Call (ON1Call) IMMEDIATELY if changes are needed and obtain a corrected locate request confirmation.
- You have obtained locates or clearances from all ON1Call members listed in this ticket before beginning your dig.

You've met your obligations when...

- In addition to this locate request, you have DIRECTLY contacted all owners of infrastructure who ARE NOT current members of ON1Call (such as owned buried infrastructure on private property), as well as arranged for contract locates for your private lines on your private property - where applicable. For a list of locate status contacts visit www.on1call.com.
- You respect the marks and instructions provided by the locators and dig with care; the marks and locator instructions MUST MATCH.
- You have obtained any necessary permits from the municipality in which you are excavating.

What does "Cleared" mean in the "Initial Status" section?

1. The information that you have provided about your dig will not affect that member's underground infrastructure and they have provided you with a clearance, if anything about your excavation changes, please ensure that you update your ticket immediately.

What are the images under "Map Selection":

1. A drawing created by an excavator directly within Ontario One Call's web ticket tool, this is expected to be an accurate rendition of the dig site, and it is the excavator's responsibility to ensure the location matches the information they provide under the 'Dig Location' section OR;
2. A drawing created by an Ontario One Call agent, this drawing is based on a verbal description by phone of the area by the excavator. Agents may create drawings that are larger than the proposed dig to minimize risk of interpretation. It is the excavator's responsibility to review these map selections for accuracy. Changes can be made by the excavator through the web ticket tool, to learn how visit www.on1call.com/contractors.
3. All drawings dictate which members are notified.

Horvat, Thomas

From: torontowaterlocates <torontowaterlocates@toronto.ca>
Sent: Friday, July 19, 2019 9:44 AM
To: Horvat, Thomas
Subject: 20192922534 - Hilldale Rd and Orman Ave
Attachments: 20192922534 - Hilldale Rd and Orman Ave.png

Hi Thomas,

Sewer portion of the ticket has been cleared according to the drawing attached and the instructions below:

A minimum of 6 m should be maintained on both sides of the 1800 mm combined sewer inside the purple highlighted area.

A minimum of 1 m should be maintained on both sides of the catch basin leads and sewer services (dotted lines).

Please do not excavate within the above mentioned distances on both sides of the highlighted area on the map. If you absolutely need to drill in the highlighted areas, you will assume all liability should there be any damages and/or environmental hazards that may occur. Daylighting mandatory prior to drilling in highlighted area.

Please note that all drawings and any associated layouts provided are property of the City of Toronto and are intended for reference purposes only.

Thanks,

Melody Thai
Toronto Water Locates





10m
-79.484 43.678 Dec

SL23448 (COMB 1880 CMP)
SL23449 (COMB 450 XCC)

This and any associated layout are intended for reference purposes only. Property of the City of Toronto - Toronto Water Locales

SL23416 (ST 125 CPT)



SL23414 (ST 125 CPT)

Hildale Rd

SL23479 (COMB 525 XCC)
SL23449 (COMB 450 XCC)

62B

64

64A

58

60

62

62A

64

66

68

68A

70

75

Request #:	Call Date:	Excavation Date:	Call Type:
20192922534	18-Jul-2019	25-Jul-2019	Standard
Requested by:	Phone:	Fax:	Email:
	9058189900		thomas.horvat@woodplc.com
Company Name:	Company Address:	Depth:	
Wood	100-3450 Harvester RD , Burlington	30.480000	
Locate Address:	Type of Work:		
HILLDALE RD	BORE HOLES		
Description of Work and Work Limits			
CORLOT=U 1 Borehole marked on grass with wooden stake. Labeled BH13. Please mark a 5 m radius around borehole marking. Please include BH ID in drawings.			
LOCATED AREA: EXCVATOR SHALL NOT WORK OUTSIDE THE LOCATED AREA WITHOUT OBTAINING ANOTHER LOCATE.			
Utilities and Station Codes			
SEWER (TORWW07),			
Message to Excavator			
<div style="border: 5px solid green; padding: 20px;"> <h1 style="margin: 0;">Conditional Clear</h1> <h2 style="margin: 0;">Clear as per work instructions provided</h2> </div>			
Additional Comments:			
Clear as per email sent.			
Completed By:	Date Completed:	Time Completed:	
0	July 19, 2019	9:43 am	

Request #:	Call Date:	Excavation Date:	Call Type:
20192922534	18-Jul-2019	25-Jul-2019	Standard
Requested by:	Phone:	Fax:	Email:
	9058189900		thomas.horvat@woodplc.com
Company Name:	Company Address:		Depth:
Wood	100-3450 Harvester RD , Burlington		30.480000
Locate Address:		Type of Work:	
HILLDALE RD		BORE HOLES	
Description of Work and Work Limits			
CORLOT=U 1 Borehole marked on grass with wooden stake. Labeled BH13. Please mark a 5 m radius around borehole marking. Please include BH ID in drawings.			
LOCATED AREA: EXCVATOR SHALL NOT WORK OUTSIDE THE LOCATED AREA WITHOUT OBTAINING ANOTHER LOCATE.			
Utilities and Station Codes			
Water (TORWW01),			
Message to Excavator			
<div style="border: 5px solid green; padding: 20px;"> <h1 style="margin: 0;">Conditional Clear</h1> <h2 style="margin: 0;">Clear as per work instructions provided</h2> </div>			
Additional Comments:			
Completed By:	Date Completed:	Time Completed:	
0	July 19, 2019	10:08 am	

BELL CANADA CLEARANCE

CLEARANCE # A5169563

One Call Ticket #: 20192922534

Issued By: BELL CANADA
For Station Code: BCTW01S
Date: 07/19/2019
Time: 12:44:13

Primary Contact: THOMAS HORVAT
Fax:
Type of Work: BORE HOLES

LOCATE DETAILS

Location: HILLDALE RD
, TORONTO

Remarks:

-79.483120 43.677124 NB_SEGMENTS::1 TORWWW01 BCTW01S THTW01S ENTW01S TORWWW07

TORONTO DPR#A:3 CORLOT=U 1 BOREHOLE MARKED ON GRASS WITH WOODEN STAKE. LABELED BH13. PLEASE MARK A 5 M RADIUS AROUND BOREHOLE MARKING. PLEASE INCLUDE BH ID IN DRAWINGS. NO_PLAN:

It is the excavator/requestor's responsibility to notify the Look-Up Centre if they cannot meet the conditions outlined above. Failing to do so would acknowledge the acceptance of the conditions outlined prior to any excavation/work.

CAUTION: Stakes or markings may disappear or be displaced. Should sketch and markings not coincide, a new locate must be obtained. This locate is based on information that was provided to the One Call Centre. Any change to location/scope of work requires a new locate from the One Call Centre.

As there may be other buried utilities in the dig site area, you are advised to contact all buried utility owners for your work area and obtain the necessary locates/clearances.

Please pay special attention to who/what this clearance is for. Please review the document carefully and compare it to your locate request to ensure you understand what you are being cleared for. We are not responsible for any damages that result from misunderstanding what utility you are cleared for on this paperwork. Please do not hesitate to contact us if you have any questions or concerns.

If you have any questions or concerns regarding your clearance, please call the Look-Up Centre at 1-844-225-5550.

Attached to the house is a small grey or black box. From this box there is a buried service wire which runs from the house to the road (could run to the back of the property if rear fed). The wire is approximately 6-12 inches deep and if you are planning to dig in that area, you need to dig by hand (shovel/spade) only. The wire can be lifted out of the way and reburied at the end of the dig. If you happen to cut the service wire, call 611 (Homeowners) or 1-844-225-5550 (Contractors) for a repair."



Primary Locate Sheet

Line Location Request

20192922534-1853756

Phone: 905-984-5197

Fax: 905-984-5367

Toll-Free: 877-558-5569

Requesting For: Toronto Hydro (THTW01S),

Standard

Requested by: Thomas Horvat		Company: Wood		Revised Excavation Date: 25-Jul-19	Excavation Date: 25-Jul-19	Status: LOCATE COMPLETED
Appt. Date:		Received Date: 19-Jul-19	Type of Work: BORE HOLES		Requestor Type: CONTRACTOR	

Locate Address: HILLDALE RD, TORONTO	Excavator Address: 100-3450 Harvester RD , Burlington
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Caller's Remarks:
CORLOT=U 1 Borehole marked on grass with wooden stake. Labeled BH13. Please mark a 5 m radius around borehole marking. Please include BH ID in drawings.] Lookup: LK_TICKET_STATUS_ID::45LK_LSP::1465

Gas	Bell	CATV	Hydro Office Clear-1	Water	Sewer	Street Lighting	Fibre
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LOCATED AREA: EXCAVATOR SHALL NOT WORK OUTSIDE THE LOCATED AREA WITHOUT OBTAINING ANOTHER LOCATE

DPT Remarks:

Records Referenced:
Utility Map

Multiviewer Datapak # _____

Atlas Plates:

Field Notes:

Other:

Third Party Notification

TORONTO HYDRO ONLY

TORONTO HYDRO IS CLEAR WITHIN THE REQUESTED AREA AS PER CALLERS COMMENTS ON ONTARIO ONE CALL REQUEST

IF YOU REQUIRE EXCAVATION OUTSIDE THE REQUESTED AREA PLEASE CONTACT ONTARIO ONE CALL FOR A NEW LOCATE.

Diameter of Main:	Material Types	Gas: <input type="checkbox"/> Cast iron <input type="checkbox"/> Steel <input type="checkbox"/> Plastic
	Excavator shall notify and receive a clearance from Regional Contacts Prior to excavation for the following:	Telephone: <input type="checkbox"/> Cable <input type="checkbox"/> Conduit <input type="checkbox"/> Telephone Fibre
Gas: <input type="checkbox"/> End Thrust <input type="checkbox"/> Vital Main <input type="checkbox"/> Valve	CATV: <input type="checkbox"/> TV Fibre	Hydro: <input type="checkbox"/> Primary <input type="checkbox"/> Direct Buried
Telephone: <input type="checkbox"/> High Priority Cables <input type="checkbox"/> Central Office Vicinity		<input type="checkbox"/> Secondary <input type="checkbox"/> Duct <input type="checkbox"/> Street Lighting
		Water: <input type="checkbox"/> Locate is Approximate Due to Non-metallic Pipe

Method of Field Marking: Paint Stakes Flags Offset Stakes Chalk Steel

Caution: Locate is VOID after 30 days. See attached for Bell Canada. Alectra, Burlington Hydro, Cogeco, Region of Halton, Toronto Hydro, Toronto BIA and Traffic/Rescue Locates valid for 60 days. Toronto Water valid for project. For locate requests, including remarks, contact Ontario One Call 1-800-400-2255.

Caution: The markings may disappear or be misplaced. Should sketch markings not coincide, a new locate must be obtained. This is based on information given at the time. Any changes to location or nature of work requires a new locate. The EXCAVATOR must not work outside the indicated Located Area without a further locate by the company. Privately owned facilities may be present in the Locate Area.

Documents given to be used with this locate: <input type="checkbox"/> None <input type="checkbox"/> NEB Excavation/Construction Booklet <input type="checkbox"/> Gas Excavation Guidelines <input type="checkbox"/> Hydro Electric Excavation Guidelines <input type="checkbox"/> Bell Guidelines for Excavation	ID Number: 969 Elis S. Date/Time: 19-Jul-2019 12:45 pm In/Out: _____	Accepted By: _____ Print: _____ <input checked="" type="checkbox"/> Mark and Fax/Email <input type="checkbox"/> Left on Site
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A copy of this Primary Locate Report and the Auxiliary Locate Sheet(s) must be on site and in the hands of the machine operator during work operations. Should sketch and markings not coincide, a new locate must be obtained.



Primary Locate Sheet

Line Location Request

20192922534-1853755

Phone: 905-984-5197 Fax: 905-984-5367 Toll-Free: 877-558-5569

Standard

Requesting For: Enbridge Gas (ENTW01S),

Revised Excavation Date: 25-Jul-19	Excavation Date: 25-Jul-19	Status: LOCATE COMPLETED
---------------------------------------	-------------------------------	-----------------------------

Requested by Thomas Horvat	Company: Wood	Phone: 9058189900	Fax:	Requestor Type: CONTRACTOR
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Appl. Date:	Received Date: 19-Jul-19	Type of Work: BORE HOLES
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Locate Address: HILLDALE RD, TORONTO	Excavator Address: 100-3450 Harvester RD , Burlington
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Caller's Remarks:
CORLOT=U 1 Borehole marked on grass with wooden stake. Labeled BH13. Please mark a 5 m radius around borehole marking. Please include BH ID in drawings. Lookup: LK_TICKET_STATUS_ID::45LK_LSP::1465

Gas	Bell	CATV	Hydro	Water	Sewer	Street Lighting	Fibre
Field Clear-1							

LOCATED AREA: EXCAVATOR SHALL NOT WORK OUTSIDE THE LOCATED AREA WITHOUT OBTAINING ANOTHER LOCATE

DPT Remarks:	<input type="checkbox"/> Third Party Notification
	APPLY STICKER HERE IF REQUIRED
Records Referenced:	
Utility Map	
<input type="checkbox"/> Multiviewer Datapak # _____	
Atlas Plates: 122	
Field Notes	
Other:	

Diameter of Main:	Excavator shall notify and receive a clearance from Regional Contacts Prior to excavation for the following: Gas: <input type="checkbox"/> End Thrust <input type="checkbox"/> Vital Main <input type="checkbox"/> Valve Telephone: <input type="checkbox"/> High Priority Cables <input type="checkbox"/> Central Office Vicinity	Material Types	Gas: <input type="checkbox"/> Cast Iron <input type="checkbox"/> Steel <input type="checkbox"/> Plastic
			Telephone: <input type="checkbox"/> Cable <input type="checkbox"/> Conduit <input type="checkbox"/> Telephone Fibre
			CATV: <input type="checkbox"/> TV Fibre
			Hydro: <input type="checkbox"/> Primary <input type="checkbox"/> Direct Buried
			<input type="checkbox"/> Secondary <input type="checkbox"/> Duct <input type="checkbox"/> Street Lighting
			Water: <input type="checkbox"/> Locate is Approximate Due to Non-metallic Pipe

Method of Field Marking: Paint Stakes Flags Offset Stakes Chalk Steel

Caution: Locate is VOID after 30 days. See attached for Bell Canada. Alectra, Burlington Hydro, Cogeco, Region of Halton, Toronto Hydro, Toronto BIA and Traffic/Rescue Locates valid for 60 days. Toronto Water valid for project. For locate requests, including remarks, contact Ontario One Call 1-800-400-2255.

Caution: The markings may disappear or be misplaced. Should sketch markings not coincide, a new locate must be obtained. This is based on information given at the time. Any changes to location or nature of work requires a new locate. The EXCAVATOR must not work outside the indicated Located Area without a further locate by the company. Privately owned facilities may be present in the Locate Area.

Documents given to be used with this locate: <input checked="" type="checkbox"/> None NEB Excavation/Construction Booklet Gas Excavation Guidelines <input type="checkbox"/> Hydro Electric Excavation Guidelines <input type="checkbox"/> Bell Guidelines for Excavation	ID Number: 650 Geoffrey P. Date/Time: 25-Jul-2019 6:06 pm In/Out: 6:06 pm 6:06 pm	Accepted By: _____ Print: _____ <input checked="" type="checkbox"/> Mark and Fax/Email <input type="checkbox"/> Left on Site
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A copy of this Primary Locate Report and the Auxiliary Locate Sheet(s) must be on site and in the hands of the machine operator during work operations. Should sketch and markings not coincide, a new locate must be obtained.



Auxiliary Locate Sheet

Phone: 905-984-5197 Toll Free: 877-558-5569 Fax: 905-984-5367

Utilities Located: Enbridge Gas (ENTW01S),	Request #: 20192922534-1853755	Requested by: Wood
Number of Services Marked (Specify Building Numbers):		
LOCATED AREA: EXCAVATOR SHALL NOT WORK OUTSIDE THE LOCATED AREA WITHOUT OBTAINING ANOTHER LOCATE.		
From: 1M N OF NBL OF 64 HILLDALE RD	To: 1M S OF SBL OF 64 HILLDALE RD	
From: 45M W OF WBL OF 64 HILLDALE RD	To: 35M W OF WBL OF 64 HILLDALE RD	
<p>LEGEND:</p> <ul style="list-style-type: none"> Building Line BL Fence Line FL Face of Curb CL Road Edge RE <i>*Pavement edge of asphalt or road surface</i> Driveway DW Manhole M/H Catch Basin CB Sidewalk SW Pole Limit of utility owned facilities DM Transformer Railway Gas Valve Pedestal Hydrant Buried Service Wire -BSW- Fiber Optic Cable -FO- Gas Main -GM- Gas Service -GS- Hydro Service -HS- Telephone Cable -B- Conduit -C- Hydro -H- Water -W- Cable TV -TV- Traffic Signal -TS- Street Light -SL- Sanitary Sewer -SAN- Storm Sewer -ST- 	<p style="text-align: center;">HAND DIG WITHIN 1M (3.28ft) AS MEASURED HORIZONTALLY FROM THE FIELD MARKINGS DEPTH VARIES AND MUST BE VERIFIED BY HAND DIGGING</p> <p><input type="checkbox"/> LOCATED AREA HAS BEEN ALTERED AS PER: _____</p> <div style="text-align: center; margin-top: 20px;"> <p>Located Area</p> </div>	
<p>This form is valid only with the primary locate sheet. This sketch is not to scale. Measurements are in metres. Any privately owned services within the located area have not been marked – check with service/property owner</p>		
<p>A Copy of this Auxiliary Locate Sheet and the Primary Locate Sheet must be on site and in the hands of the machine operator during work operations. Should sketch and markings not coincide, a new locate must be obtained.</p>		

Warning!

The excavator must have a copy of this locate on the job site during excavation.

Located Area: The excavator must not work outside the area indicated by the Located Area in the diagram overleaf without a further locate by the Company.

Locate the plant: The plant location information provided is the best we have available but constitutes only an estimate. Depth of underground plant varies and the exact location must be determined by hand digging prior to excavation with mechanical equipment.

Mechanical equipment must not be used within one metre of the estimated location of the plant.

Expose the plant: Once the plant has been located by hand digging, it must be exposed along its length adjacent to or in the immediate vicinity of the proposed excavation. For this purpose, mechanical equipment must not be used within 0.5 metres of the plant.

Digging around the exposed plant: When the plant has been exposed, any further excavation within 0.3 metres, must only be done by hand digging and not with mechanical equipment.

Support Requirements: If the underground plant is exposed over a distance of more than 1.25 metres, the utility company must be notified; underground plant must be supported at all times.

0. Reg. 210/01 Oil and Gas Pipeline Systems EXCERPTS

9. (1) No person shall dig, bore, trench, grade, excavate or break ground with mechanical equipment or explosives without first ascertaining the location of any pipeline that may be interfered with.

10. No person shall interfere with or damage any pipeline without authority to do so.

Technical Standards & Safety Act 2000 EXCERPT

37 (1) Every person who contravenes or fails to comply with any provision of this act or the regulations; etc. ... is guilty of an offense and on conviction is liable to a fine of not more than \$50,000 or to imprisonment for a term of not more than one year, or to both.

Caution: The markings may disappear or be misplaced. Should sketch markings not coincide, a new locate must be obtained. This is based on information given at the time. Any changes to location or nature of work require a new locate. The EXCAVATOR must not work outside the indicated Located Area without a further locate by the company. Privately owned facilities may be present in Locate Area, check with property owner.

Locate is VOID after 30 days; Bell has exceptions, see attached letter.

For remarks contact Ontario One 1-800-400-2255.

Shown on this locate form and within the located area are only the underground facilities, gas or utility lines, which we were able to locate using conventional technology. There may be other lines, including but not limited to, customer owned lines, such as lines for a pool or a gas barbeque ("Customer Lines"), which we were not able to locate. Often customer owned facilities are installed in such a way as to make location impossible. Depth and location of these facilities is not known. Locate company or utility is not responsible or liable for any errors on this locate for Customer Lines and it is to be relied upon at your own risk.

Planning to Dig ... CALL US FIRST

Typical metric Conversions:
(m = metre, ft = foot)

**Members of Ontario
ONE CALL**

**Phone 1-800-400-2255
or
Fax 1-800-400-8876**



0.5 ft = 0.15 m	0.15 m = 0.5 ft
1 ft = 0.3 m	1 m = 3.3 ft
2 ft = 0.6 m	2 m = 6.6 ft
3 ft = 0.9 m	3 m = 9.8 ft
4 ft = 1.2 m	4 m = 13.1 ft
5 ft = 1.5 m	5 m = 16.4 ft
6 ft = 1.8 m	6 m = 19.7 ft
7 ft = 2.1 m	7 m = 23.0 ft
8 ft = 2.4 m	8 m = 26.2 ft
9 ft = 2.7 m	9 m = 29.5 ft
10 ft = 3.0 m	



Here is the locate you requested. If you have any questions please feel free to contact our office at 1-905-984-5414 for assistance.

Please note that privately owned utilities are typically not covered under your Ontario One Call locate request.

If you suspect that there are privately owned utilities within your work area, PVS is available to provide private locate services. Please contact us to request a quote and discuss in greater detail. Visit www.pvslocates.com to learn more about our suite of services.

EXCAVATION GUIDELINES DISCLAIMER

Hand Digging

Means excavation using only a shovel with a wooden or an insulated handle. No picks, bars or other devices shall be used.

Mechanical Excavation

Means boring or open cut excavation by means of powered mechanical equipment, hand held augers, picks or bars.

General Conditions

All work shall be carried out in accordance with the most current version of:

- a) the Occupational Health and Safety Act (O.H.S.A.) and Regulations which apply under the act, and
- b) All other pertinent and local regulations or conditions.

Locate Boundaries/Accuracy

- The excavator shall not dig outside the area covered by the locate form without obtaining a further locate.
- Locate accuracy shall be considered to be one metre on either side of the surface centre lines unless the locate instructions specifically indicate other boundary limits.
- Where the underground plant is wider than two metres (e.g. subsurface chambers), special instructions shall be included on the locate form.
- Where underground plant is uncovered in a place other than where the locate indicates, the excavator shall cease further excavation in the immediate area and contact the Utility immediately.

Duration

Unless otherwise noted, locates are valid for 30 days. For remarks please contact Ontario One Call @ 1-800-400-2255.

Initial Exposure

At no time shall a contractor or subcontractor use mechanical means of excavation within the boundary limits of the locate without first digging test hole(s) to determine the plant's exact location and depth of cover. The test holes shall be dug using only hand digging methods at periodic intervals along the plant as specified by the Utility. Hand digging shall be by the use of a shovel with a wooden or an insulated handle only.

When digging in frost conditions, the excavator shall first contact the Utility for instructions.

Undermining the Plant

Where underground plant must be undermined for more than one metre, the excavator shall contact the Utility for supporting procedures and required clearances.

Moving of Underground Plant

No plant shall be moved even slightly to accommodate the excavation work. The local Utility shall be contacted for instructions if moving is required.

Work Around Exposed Plant



Phone: 416 395 6260
Fax: 416 395 7482
Emergency:
48 Hour Fax Notification:
Utility Cuts

Application Stream: Short

Map SubBlock:

District: Etobicoke and York

City Ward: 05

Pavement Degradation Fee: \$0

CUT PERMIT

PERMIT NUMBER: 83612612

APPLICANT: Capital Projects and Program (CPT) - CPT
100 QUEEN ST W , 22E
TRANSPORTATION SERVICES
TORONTO, Ontario M5G 1P5

CONTACT: Hussain Tamimi
Phone: (416) 338-6881
Contract No.: 6048256

CUT LOCATION BOULEVARD SIDEWALK ROAD LANEWAY MEDIAN

LOCATION: HUMBER BLVD (YK) at LOUVAIN ST
BH(1),HUMBER BLVD from approx. 3m north of LOUVAIN ST

Distance & Direction from nearest side street:

Distance & Direction from centre of pavement:

TYPE OF INSTALLATION:

Boreholes/Coreholes

CONSTRUCTION DATE:

FROM: Jul-22-2019

TO: Jan-22-2020

SPECIAL CONDITIONS:

- 1.0 All work is to be done in accordance to Contract No. 6048256
- 2.0 Contact Etobicoke York District Work Zone Traffic Coordinator (Nader Azar at 416 397-5019 for Wards 1, 2, & 3, or Craig Cripps at 416 397-5020 for Wards 5 & 7) for a site meeting at least ten (10) business days prior to commencement of work. You shall submit a Traffic Control Plan for the proposed work zone.
- 3.0 Upon decommissioning the borehole(s) or monitoring well(s), Applicant will make permanent repairs with 300 mm of a non-shrink expanding grout and 75 mm of HL-3 asphalt. Permit includes equipment.

The applicant shall, at their expense, comply with the conditions described in Appendix A of Chapter 743 ("Use of Streets and Sidewalks") of the Toronto Municipal Code. A copy of these conditions can be found at <http://www.toronto.ca/transportation/pdf/bylaw/streets-by-law-appendix-a-permit-conditions.pdf>

The Applicant covenants and agrees to indemnify The City of Toronto from any claim for injury or damage including lien claims arising from the construction operation and/or maintenance of the work referred to in this application except a claim attributable to the negligence of The City, its licensees, servants, agents or contractors. Provisions of this section to continue after the expiry of this permit.

STANDARD CONDITIONS

The Applicant agrees to adhere to the Municipal Consent Requirements including the following Standard Conditions:

- (A) By accepting the issued permit the applicant agrees to indemnify and to save harmless the corporation of the City of Toronto, all assets and personnel it is in law responsible for, from any and all claims and/or actions that may arise from the granting of this permit, and further agrees that all installation and permanent reinstatement works performed under this permit within the limits of the city road allowance will be maintained and guaranteed for a period of 24 months from the date of work completion acceptance by the city.
- (B) The Applicant will supply all signing/barricades for pedestrian and vehicular safety. The placement of signs/barricades and all subsequent work must be carried out in conformity with the most current edition of the Ontario Traffic Manual Book 7.
- (C) Municipal Consent Requirements (MCR) website <http://www.toronto.ca/engineering/mcr/>
- (D) 1. If the work necessitates removal or other temporary decommissioning of pay and display parking machines or parking meters, contact the On-street Coordinator, Toronto Parking Authority (TPA) at 416-393-7397 at least three (3) business days (72 hours) prior. TPA will carry out all such removals [at applicant's expense]. If this condition is not adhered to, the applicant will be responsible for all costs associated with any damage to the parking equipment. Applicant is responsible for lost parking revenue, to be determined by TPA.
- (E) All Soil Analysis and Environmental Assessments resulting from soil testing within the City of Toronto streets must be submitted to Transportation Services, District office.
- (F) Where construction may affect City of Toronto Traffic signal plant, including conduit and loops; the Applicant must contact Ontario One Call. Phone 1-800-400-2255 or <http://www.on1call.com/web-portal/> for a stake out.
- (G) The Applicant is required to confirm the location of all services and plant, and obtain the appropriate written concurrences and stakeouts of all below-grade services within the area of construction prior to commencement of any work.
- (H) Steel plates must be of sufficient strength and thickness to withstand day to day traffic loading. Top of plates must be skid resistant and installed slightly below the existing surface in conformance with the MCR.
- (I) The Cut Permit is subject to cancellation at any time without notice. With the exception of 'Emergency' work, no installation shall commence before the issuance of a Cut Permit by the City of Toronto. If the work arising out of an application is not commenced within the construction dates of the Cut Permit, the Applicant will be required to apply for an extension of the Cut Permit.
- (J) The Cut Permit authorizes occupation only during the times and at the location(s) specified herein. Any change to the time or location of the work will require the submission of a new application to the General Manager of Transportation Services. This Cut Permit MUST be kept on location for the duration of the occupation. The permit must be produced upon request to representatives of the Toronto Police Services or any other City official.
- (K) Material storage shall be considered as part of the work area and traffic impact practices shall adhere to the provisions of the MCR.
- (L) Cuts made in sodded boulevards during late fall, winter and spring are to be finish graded with all excess soil being removed and sodded as soon as possible in the spring when sod is available. Cuts made in the sodded boulevards during the summer and early fall are to be finish graded with all excess soil being removed as soon as possible in the early fall. All sodding shall conform to the requirements of TS 5.00: City of Toronto Construction Specification for Sodding.
- (M) A sign identifying the name of the company owning the work, the contractor undertaking the work and 24-hour contact phone number(s) shall be prominently displayed at the work site for any work which has a duration of 48 hours or longer. The sign shall be clearly legible to pedestrians and drivers passing the work site.
- (N) City owned trees must be protected from damage in accordance with Tree Protection Policy and Specifications for Construction Near Trees.
- (O) a. All hoses are to cross the sidewalk at a right angle to the curb and then run parallel to the curb toward the catch basin b. The Applicant must cover hoses with a non-slip ramped surface for pedestrian safety.
- (P) Minimum depth of cover for new installations shall be as indicated in the MCR.
- (Q) The Applicant must comply with the current City of Toronto noise by-laws. For more information, the Applicant can contact the appropriate District office of Municipal Licensing and Standards.
- (R) The Applicant must notify any Business Improvement Areas within the limits.
- (S) In accordance with the City's Traffic Control Guidelines, the Applicant shall contact the appropriate District Office of Transportation Services prior to commencing work.
- (T) 'Within 60 days of completion of the project and in accordance with the Provision of Location Certificates-Chapter 743 of the Toronto Municipal Code, as-constructed drawings must be submitted to Engineering Review, Attention: Utility Mapping Supervisor, 275 Merton Street, Toronto, ON M4S 1A7'
- (U) a.) No work, object or structure to be placed or installed within 3m of overhead electricity lines. (Requirement under the Ontario Occupational Health and Safety Act and Regulation 213 S188.), b.) Applicant to contact Toronto Hydro (416.542.2618) to have overhead electricity lines de-energized or relocated at the Applicant's cost prior to starting work.
- (V) Horizontal Control Monuments identified or found in the field shall be protected. The Applicant is responsible for and shall incur all costs should a control monument be damaged, relocated, removed or have its elevation changed.
- (W) This permit is only valid for work on the City Owned Road Right-of-Way. All work on private property or unassumed road must be done at the permission of the property owner or developer
- (X) SPECIAL DECORATIVE SIDEWALKS,CURBS AND POSSIBLE AREAWAYS/TTC TUNNELS - No cuts allowed on sidewalks or curbs - if no alternative, Applicant is responsible for carrying out permanent repairs as defined by the Property Management/Building Owner.
- (Y) The applicant must submit a RoDARS Notification Form to TMC Dispatch at least two business days before the start of occupation. The RoDARS Notification Form must be approved by the appropriate Work Zone Traffic Coordinator (WZTC) before being submitted to TMC Dispatch.
- (Z) Applicant/Contractor must notify affected residents and businesses no less than 48 hrs prior to construction.

Phone: 416 395 6260
 Fax: 416 395 7482
 Emergency:
 48 Hour Fax Notification:
 Utility Cuts

Application Stream: Short
Map SubBlock: 47K-23
District: Etobicoke and York
City Ward: 05

Pavement Degradation Fee: \$0

CUT PERMIT

PERMIT NUMBER: 83612613

APPLICANT: Capital Projects and Program (CPT) - CPT
 100 QUEEN ST W , 22E
 TRANSPORTATION SERVICES
 TORONTO, Ontario M5G 1P5

CONTACT: Hussain Tamimi
 Phone: (416) 338-6881
 Contract No.: 6048256

CUT LOCATION						
<input type="checkbox"/> BOULEVARD	<input type="checkbox"/> SIDEWALK	<input checked="" type="checkbox"/> ROAD	<input type="checkbox"/> LANEWAY	<input type="checkbox"/> MEDIAN		
LOCATION: 99 HUMBER BLVD (YK) at AVON AVE to ALLIANCE AVE BH(1), HUMBER BLVD. South at the pedestrian bridge						
Distance & Direction from nearest side street:						
Distance & Direction from centre of pavement:						
TYPE OF INSTALLATION:						
Boreholes/Coreholes						
CONSTRUCTION DATE:						
FROM: Jul-22-2019			TO: Jan-22-2020			

SPECIAL CONDITIONS:

- 1.0 All work is to be done in accordance to Contract No. 6048256
- 2.0 Contact Etobicoke York District Work Zone Traffic Coordinator (Nader Azar at 416 397-5019 for Wards 1, 2, & 3, or Craig Cripps at 416 397-5020 for Wards 5 & 7) for a site meeting at least ten (10) business days prior to commencement of work. You shall submit a Traffic Control Plan for the proposed work zone.
- 3.0 Upon decommissioning the borehole(s) or monitoring well(s), Applicant will make permanent repairs with 300 mm of a non-shrink expanding grout and 75 mm of HL-3 asphalt. Permit includes equipment.

The applicant shall, at their expense, comply with the conditions described in Appendix A of Chapter 743 ("Use of Streets and Sidewalks") of the Toronto Municipal Code. A copy of these conditions can be found at <http://www.toronto.ca/transportation/pdf/bylaw/streets-bylaw-appendix-a-permit-conditions.pdf>

The Applicant covenants and agrees to indemnify The City of Toronto from any claim for injury or damage including lien claims arising from the construction operation and/or maintenance of the work referred to in this application except a claim attributable to the negligence of The City, its licensees, servants, agents or contractors. Provisions of this section to continue after the expiry of this permit.

STANDARD CONDITIONS

The Applicant agrees to adhere to the Municipal Consent Requirements including the following Standard Conditions:

- (A) By accepting the issued permit the applicant agrees to indemnify and to save harmless the corporation of the City of Toronto, all assets and personnel it is in law responsible for, from any and all claims and/or actions that may arise from the granting of this permit, and further agrees that all installation and permanent reinstatement works performed under this permit within the limits of the city road allowance will be maintained and guaranteed for a period of 24 months from the date of work completion acceptance by the city.
- (B) The Applicant will supply all signing/barricades for pedestrian and vehicular safety. The placement of signs/barricades and all subsequent work must be carried out in conformity with the most current edition of the Ontario Traffic Manual Book 7.
- (C) Municipal Consent Requirements (MCR) website <http://www.toronto.ca/engineering/mcr/>
- (D) 1. If the work necessitates removal or other temporary decommissioning of pay and display parking machines or parking meters, contact the On-street Coordinator, Toronto Parking Authority (TPA) at 416-393-7397 at least three (3) business days (72 hours) prior. TPA will carry out all such removals [at applicant's expense]. If this condition is not adhered to, the applicant will be responsible for all costs associated with any damage to the parking equipment. Applicant is responsible for lost parking revenue, to be determined by TPA.
- (E) All Soil Analysis and Environmental Assessments resulting from soil testing within the City of Toronto streets must be submitted to Transportation Services, District office.
- (F) Where construction may affect City of Toronto Traffic signal plant, including conduit and loops; the Applicant must contact Ontario One Call. Phone 1-800-400-2255 or <http://www.on1call.com/web-portal/> for a stake out.
- (G) The Applicant is required to confirm the location of all services and plant, and obtain the appropriate written concurrences and stakeouts of all below-grade services within the area of construction prior to commencement of any work.
- (H) Steel plates must be of sufficient strength and thickness to withstand day to day traffic loading. Top of plates must be skid resistant and installed slightly below the existing surface in conformance with the MCR.
- (I) The Cut Permit is subject to cancellation at any time without notice. With the exception of 'Emergency' work, no installation shall commence before the issuance of a Cut Permit by the City of Toronto. If the work arising out of an application is not commenced within the construction dates of the Cut Permit, the Applicant will be required to apply for an extension of the Cut Permit.
- (J) The Cut Permit authorizes occupation only during the times and at the location(s) specified herein. Any change to the time or location of the work will require the submission of a new application to the General Manager of Transportation Services. This Cut Permit MUST be kept on location for the duration of the occupation. The permit must be produced upon request to representatives of the Toronto Police Services or any other City official.
- (K) Material storage shall be considered as part of the work area and traffic impact practices shall adhere to the provisions of the MCR.
- (L) Cuts made in sodded boulevards during late fall, winter and spring are to be finish graded with all excess soil being removed and sodded as soon as possible in the spring when sod is available. Cuts made in the sodded boulevards during the summer and early fall are to be finish graded with all excess soil being removed as soon as possible in the early fall. All sodding shall conform to the requirements of TS 5.00: City of Toronto Construction Specification for Sodding.
- (M) A sign identifying the name of the company owning the work, the contractor undertaking the work and 24-hour contact phone number(s) shall be prominently displayed at the work site for any work which has a duration of 48 hours or longer. The sign shall be clearly legible to pedestrians and drivers passing the work site.
- (N) City owned trees must be protected from damage in accordance with Tree Protection Policy and Specifications for Construction Near Trees.
- (O) a. All hoses are to cross the sidewalk at a right angle to the curb and then run parallel to the curb toward the catch basin b. The Applicant must cover hoses with a non-slip ramped surface for pedestrian safety.
- (P) Minimum depth of cover for new installations shall be as indicated in the MCR.
- (Q) The Applicant must comply with the current City of Toronto noise by-laws. For more information, the Applicant can contact the appropriate District office of Municipal Licensing and Standards.
- (R) The Applicant must notify any Business Improvement Areas within the limits.
- (S) In accordance with the City's Traffic Control Guidelines, the Applicant shall contact the appropriate District Office of Transportation Services prior to commencing work.
- (T) 'Within 60 days of completion of the project and in accordance with the Provision of Location Certificates-Chapter 743 of the Toronto Municipal Code, as-constructed drawings must be submitted to Engineering Review, Attention: Utility Mapping Supervisor, 275 Merton Street, Toronto, ON M4S 1A7'
- (U) a.) No work, object or structure to be placed or installed within 3m of overhead electricity lines. (Requirement under the Ontario Occupational Health and Safety Act and Regulation 213 S188.), b.) Applicant to contact Toronto Hydro (416.542.2618) to have overhead electricity lines de-energized or relocated at the Applicant's cost prior to starting work.
- (V) Horizontal Control Monuments identified or found in the field shall be protected. The Applicant is responsible for and shall incur all costs should a control monument be damaged, relocated, removed or have its elevation changed.
- (W) This permit is only valid for work on the City Owned Road Right-of-Way. All work on private property or unassumed road must be done at the permission of the property owner or developer
- (X) SPECIAL DECORATIVE SIDEWALKS,CURBS AND POSSIBLE AREAWAYS/TTC TUNNELS - No cuts allowed on sidewalks or curbs - if no alternative, Applicant is responsible for carrying out permanent repairs as defined by the Property Management/Building Owner.
- (Y) The applicant must submit a RoDARS Notification Form to TMC Dispatch at least two business days before the start of occupation. The RoDARS Notification Form must be approved by the appropriate Work Zone Traffic Coordinator (WZTC) before being submitted to TMC Dispatch.
- (Z) Applicant/Contractor must notify affected residents and businesses no less than 48 hrs prior to construction.

Phone: 416 395 6260
 Fax: 416 395 7482
 Emergency:
 48 Hour Fax Notification:
 Utility Cuts

Application Stream: Short

Map SubBlock:

District: Etobicoke and York

City Ward: 05

Pavement Degradation Fee: \$0

CUT PERMIT

PERMIT NUMBER: 83612614

APPLICANT: Capital Projects and Program (CPT) - CPT
 100 QUEEN ST W , 22E
 TRANSPORTATION SERVICES
 TORONTO, Ontario M5G 1P5

CONTACT: Hussain Tamimi
 Phone: (416) 338-6881
 Contract No.: 6048256

CUT LOCATION BOULEVARD SIDEWALK ROAD LANEWAY MEDIAN

LOCATION: HUMBER BLVD (YK) at AVON AVE
 BH(1), HUMBER BLVD. South from approx/ 70m north of AVON AVE

Distance & Direction from nearest side street:

Distance & Direction from centre of pavement:

TYPE OF INSTALLATION:

Boreholes/Coreholes

CONSTRUCTION DATE:

FROM: Jul-22-2019

TO: Jan-22-2020

SPECIAL CONDITIONS:

- 1.0 All work is to be done in accordance to Contract No. 6048256
- 2.0 Contact Etobicoke York District Work Zone Traffic Coordinator (Nader Azar at 416 397-5019 for Wards 1, 2, & 3, or Craig Cripps at 416 397-5020 for Wards 5 & 7) for a site meeting at least ten (10) business days prior to commencement of work. You shall submit a Traffic Control Plan for the proposed work zone.
- 3.0 Upon decommissioning the borehole(s) or monitoring well(s), Applicant will make permanent repairs with 300 mm of a non-shrink expanding grout and 75 mm of HL-3 asphalt. Permit includes equipment.

The applicant shall, at their expense, comply with the conditions described in Appendix A of Chapter 743 ("Use of Streets and Sidewalks") of the Toronto Municipal Code. A copy of these conditions can be found at <http://www.toronto.ca/transportation/pdf/bylaw/streets-by-law-appendix-a-permit-conditions.pdf>

The Applicant covenants and agrees to indemnify The City of Toronto from any claim for injury or damage including lien claims arising from the construction operation and/or maintenance of the work referred to in this application except a claim attributable to the negligence of The City, its licensees, servants, agents or contractors. Provisions of this section to continue after the expiry of this permit.

STANDARD CONDITIONS

The Applicant agrees to adhere to the Municipal Consent Requirements including the following Standard Conditions:

- (A) By accepting the issued permit the applicant agrees to indemnify and to save harmless the corporation of the City of Toronto, all assets and personnel it is in law responsible for, from any and all claims and/or actions that may arise from the granting of this permit, and further agrees that all installation and permanent reinstatement works performed under this permit within the limits of the city road allowance will be maintained and guaranteed for a period of 24 months from the date of work completion acceptance by the city.
- (B) The Applicant will supply all signing/barricades for pedestrian and vehicular safety. The placement of signs/barricades and all subsequent work must be carried out in conformity with the most current edition of the Ontario Traffic Manual Book 7.
- (C) Municipal Consent Requirements (MCR) website <http://www.toronto.ca/engineering/mcr/>
- (D) 1. If the work necessitates removal or other temporary decommissioning of pay and display parking machines or parking meters, contact the On-street Coordinator, Toronto Parking Authority (TPA) at 416-393-7397 at least three (3) business days (72 hours) prior. TPA will carry out all such removals [at applicant's expense]. If this condition is not adhered to, the applicant will be responsible for all costs associated with any damage to the parking equipment. Applicant is responsible for lost parking revenue, to be determined by TPA.
- (E) All Soil Analysis and Environmental Assessments resulting from soil testing within the City of Toronto streets must be submitted to Transportation Services, District office.
- (F) Where construction may affect City of Toronto Traffic signal plant, including conduit and loops; the Applicant must contact Ontario One Call. Phone 1-800-400-2255 or <http://www.on1call.com/web-portal/> for a stake out.
- (G) The Applicant is required to confirm the location of all services and plant, and obtain the appropriate written concurrences and stakeouts of all below-grade services within the area of construction prior to commencement of any work.
- (H) Steel plates must be of sufficient strength and thickness to withstand day to day traffic loading. Top of plates must be skid resistant and installed slightly below the existing surface in conformance with the MCR.
- (I) The Cut Permit is subject to cancellation at any time without notice. With the exception of 'Emergency' work, no installation shall commence before the issuance of a Cut Permit by the City of Toronto. If the work arising out of an application is not commenced within the construction dates of the Cut Permit, the Applicant will be required to apply for an extension of the Cut Permit.
- (J) The Cut Permit authorizes occupation only during the times and at the location(s) specified herein. Any change to the time or location of the work will require the submission of a new application to the General Manager of Transportation Services. This Cut Permit MUST be kept on location for the duration of the occupation. The permit must be produced upon request to representatives of the Toronto Police Services or any other City official.
- (K) Material storage shall be considered as part of the work area and traffic impact practices shall adhere to the provisions of the MCR.
- (L) Cuts made in sodded boulevards during late fall, winter and spring are to be finish graded with all excess soil being removed and sodded as soon as possible in the spring when sod is available. Cuts made in the sodded boulevards during the summer and early fall are to be finish graded with all excess soil being removed as soon as possible in the early fall. All sodding shall conform to the requirements of TS 5.00: City of Toronto Construction Specification for Sodding.
- (M) A sign identifying the name of the company owning the work, the contractor undertaking the work and 24-hour contact phone number(s) shall be prominently displayed at the work site for any work which has a duration of 48 hours or longer. The sign shall be clearly legible to pedestrians and drivers passing the work site.
- (N) City owned trees must be protected from damage in accordance with Tree Protection Policy and Specifications for Construction Near Trees.
- (O) a. All hoses are to cross the sidewalk at a right angle to the curb and then run parallel to the curb toward the catch basin b. The Applicant must cover hoses with a non-slip ramped surface for pedestrian safety.
- (P) Minimum depth of cover for new installations shall be as indicated in the MCR.
- (Q) The Applicant must comply with the current City of Toronto noise by-laws. For more information, the Applicant can contact the appropriate District office of Municipal Licensing and Standards.
- (R) The Applicant must notify any Business Improvement Areas within the limits.
- (S) In accordance with the City's Traffic Control Guidelines, the Applicant shall contact the appropriate District Office of Transportation Services prior to commencing work.
- (T) 'Within 60 days of completion of the project and in accordance with the Provision of Location Certificates-Chapter 743 of the Toronto Municipal Code, as-constructed drawings must be submitted to Engineering Review, Attention: Utility Mapping Supervisor, 275 Merton Street, Toronto, ON M4S 1A7'
- (U) a.) No work, object or structure to be placed or installed within 3m of overhead electricity lines. (Requirement under the Ontario Occupational Health and Safety Act and Regulation 213 S188.), b.) Applicant to contact Toronto Hydro (416.542.2618) to have overhead electricity lines de-energized or relocated at the Applicant's cost prior to starting work.
- (V) Horizontal Control Monuments identified or found in the field shall be protected. The Applicant is responsible for and shall incur all costs should a control monument be damaged, relocated, removed or have its elevation changed.
- (W) This permit is only valid for work on the City Owned Road Right-of-Way. All work on private property or unassumed road must be done at the permission of the property owner or developer
- (X) SPECIAL DECORATIVE SIDEWALKS,CURBS AND POSSIBLE AREAWAYS/TTC TUNNELS - No cuts allowed on sidewalks or curbs - if no alternative, Applicant is responsible for carrying out permanent repairs as defined by the Property Management/Building Owner.
- (Y) The applicant must submit a RoDARS Notification Form to TMC Dispatch at least two business days before the start of occupation. The RoDARS Notification Form must be approved by the appropriate Work Zone Traffic Coordinator (WZTC) before being submitted to TMC Dispatch.
- (Z) Applicant/Contractor must notify affected residents and businesses no less than 48 hrs prior to construction.

Phone: 416 395 6260
 Fax: 416 395 7482
 Emergency:
 48 Hour Fax Notification:
 Utility Cuts

Application Stream: Short
Map SubBlock:
District: Etobicoke and York
City Ward: 05

Pavement Degradation Fee: \$32

CUT PERMIT

PERMIT NUMBER: 83612615

APPLICANT: Capital Projects and Program (CPT) - CPT
 100 QUEEN ST W , 22E
 TRANSPORTATION SERVICES
 TORONTO, Ontario M5G 1P5

CONTACT: Hussain Tamimi
 Phone: (416) 338-6881
 Contract No.: 6048256

CUT LOCATION BOULEVARD SIDEWALK ROAD LANEWAY MEDIAN

LOCATION: BLACK CREEK DR at WESTON RD
 BH(1), BLACK CREEK DR from approx. 10m north of WESTON RD

Distance & Direction from nearest side street:

Distance & Direction from centre of pavement:

TYPE OF INSTALLATION:

Boreholes/Coreholes

CONSTRUCTION DATE:

FROM: Jul-22-2019 **TO:** Jan-22-2020

SPECIAL CONDITIONS:

In the proximity of the above specified location there are loop detector devices installed that could be damaged during the repair work. It is the Applicant responsibility to coordinate the necessary repairs. Contact the Traffic System Maintenance unit at TSMAssetMtce@toronto.ca for further information.

- 1.0 All work is to be done in accordance to Contract No. 6048256
- 2.0 Contact Etobicoke York District Work Zone Traffic Coordinator (Nader Azar at 416 397-5019 for Wards 1, 2, & 3, or Craig Cripps at 416 397-5020 for Wards 5 & 7) for a site meeting at least ten (10) business days prior to commencement of work. You shall submit a Traffic Control Plan for the proposed work zone.
- 3.0 Upon decommissioning the borehole(s) or monitoring well(s), Applicant will make permanent repairs with 300 mm of a non-shrink expanding grout and 75 mm of HL-3 asphalt. Permit includes equipment.

The applicant shall, at their expense, comply with the conditions described in Appendix A of Chapter 743 ("Use of Streets and Sidewalks") of the Toronto Municipal Code. A copy of these conditions can be found at <http://www.toronto.ca/transportation/pdf/bylaw/streets-by-law-appendix-a-permit-conditions.pdf>

The Applicant covenants and agrees to indemnify The City of Toronto from any claim for injury or damage including lien claims arising from the construction operation and/or maintenance of the work referred to in this application except a claim attributable to the negligence of The City, its licensees, servants, agents or contractors. Provisions of this section to continue after the expiry of this permit.

For: General Manager of
 Transportation Services

Aaron Leung

Aaron Leung

Date Issued: Jul 22, 2019

Date Printed: Jul 22, 2019

STANDARD CONDITIONS

The Applicant agrees to adhere to the Municipal Consent Requirements including the following Standard Conditions:

- (A) By accepting the issued permit the applicant agrees to indemnify and to save harmless the corporation of the City of Toronto, all assets and personnel it is in law responsible for, from any and all claims and/or actions that may arise from the granting of this permit, and further agrees that all installation and permanent reinstatement works performed under this permit within the limits of the city road allowance will be maintained and guaranteed for a period of 24 months from the date of work completion acceptance by the city.
- (B) The Applicant will supply all signing/barricades for pedestrian and vehicular safety. The placement of signs/barricades and all subsequent work must be carried out in conformity with the most current edition of the Ontario Traffic Manual Book 7.
- (C) Municipal Consent Requirements (MCR) website <http://www.toronto.ca/engineering/mcr/>
- (D) 1. If the work necessitates removal or other temporary decommissioning of pay and display parking machines or parking meters, contact the On-street Coordinator, Toronto Parking Authority (TPA) at 416-393-7397 at least three (3) business days (72 hours) prior. TPA will carry out all such removals [at applicant's expense]. If this condition is not adhered to, the applicant will be responsible for all costs associated with any damage to the parking equipment. Applicant is responsible for lost parking revenue, to be determined by TPA.
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- (F) Where construction may affect City of Toronto Traffic signal plant, including conduit and loops; the Applicant must contact Ontario One Call. Phone 1-800-400-2255 or <http://www.on1call.com/web-portal/> for a stake out.
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- (H) Steel plates must be of sufficient strength and thickness to withstand day to day traffic loading. Top of plates must be skid resistant and installed slightly below the existing surface in conformance with the MCR.
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- (K) Material storage shall be considered as part of the work area and traffic impact practices shall adhere to the provisions of the MCR.
- (L) Cuts made in sodded boulevards during late fall, winter and spring are to be finish graded with all excess soil being removed and sodded as soon as possible in the spring when sod is available. Cuts made in the sodded boulevards during the summer and early fall are to be finish graded with all excess soil being removed as soon as possible in the early fall. All sodding shall conform to the requirements of TS 5.00: City of Toronto Construction Specification for Sodding.
- (M) A sign identifying the name of the company owning the work, the contractor undertaking the work and 24-hour contact phone number(s) shall be prominently displayed at the work site for any work which has a duration of 48 hours or longer. The sign shall be clearly legible to pedestrians and drivers passing the work site.
- (N) City owned trees must be protected from damage in accordance with Tree Protection Policy and Specifications for Construction Near Trees.
- (O) a. All hoses are to cross the sidewalk at a right angle to the curb and then run parallel to the curb toward the catch basin b. The Applicant must cover hoses with a non-slip ramped surface for pedestrian safety.
- (P) Minimum depth of cover for new installations shall be as indicated in the MCR.
- (Q) The Applicant must comply with the current City of Toronto noise by-laws. For more information, the Applicant can contact the appropriate District office of Municipal Licensing and Standards.
- (R) The Applicant must notify any Business Improvement Areas within the limits.
- (S) In accordance with the City's Traffic Control Guidelines, the Applicant shall contact the appropriate District Office of Transportation Services prior to commencing work.
- (T) 'Within 60 days of completion of the project and in accordance with the Provision of Location Certificates-Chapter 743 of the Toronto Municipal Code, as-constructed drawings must be submitted to Engineering Review, Attention: Utility Mapping Supervisor, 275 Merton Street, Toronto, ON M4S 1A7'
- (U) a.) No work, object or structure to be placed or installed within 3m of overhead electricity lines. (Requirement under the Ontario Occupational Health and Safety Act and Regulation 213 S188.), b.) Applicant to contact Toronto Hydro (416.542.2618) to have overhead electricity lines de-energized or relocated at the Applicant's cost prior to starting work.
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- (X) SPECIAL DECORATIVE SIDEWALKS,CURBS AND POSSIBLE AREAWAYS/TTC TUNNELS - No cuts allowed on sidewalks or curbs - if no alternative, Applicant is responsible for carrying out permanent repairs as defined by the Property Management/Building Owner.
- (Y) The applicant must submit a RoDARS Notification Form to TMC Dispatch at least two business days before the start of occupation. The RoDARS Notification Form must be approved by the appropriate Work Zone Traffic Coordinator (WZTC) before being submitted to TMC Dispatch.
- (Z) Applicant/Contractor must notify affected residents and businesses no less than 48 hrs prior to construction.

Horvat, Thomas

From: Solutions@on1call.com
Sent: Thursday, July 18, 2019 10:21 PM
To: Horvat, Thomas
Subject: Request 20192922529
Attachments: MapSelection_18072019_21334430.png



LOCATE REQUEST CONFIRMATION

TICKET #:
20192922529

REQUEST PRIORITY:
STANDARD

REQUEST TYPE: REGULAR

WORK TO BEGIN DATE:
07/25/2019

Update of Ticket #

Project #

Transmit date: 07/18/2019
10:20:01 PM

REQUESTOR'S CONTACT INFORMATION

Contractor ID#: 245900	Company Phone #: (905) 818-9900
Contact Name: Thomas Horvat	Cell #:
Alternate Contact Name:	Fax #:
Company name: Wood	Email: thomas.horvat@woodplc.com
Address: 3450 Harvester RD	Alternate Contact #:

DIG INFORMATION

Region/County: TORONTO	Type of work: BORE HOLES	Mark & Fax: NO
Community:	Max Depth: 100.00 FT	Area is not marked: NO
City: TORONTO	Machine Dig: YES	Area is marked: YES
Address: BLACK CREEK BLVD	Hand Dig: NO	Site Meet Req.: NO
Intersecting Street 1: SANDCLIFFE RD	Directional Drilling: NO	Work being done for:
Intersecting Street 2: END OF STREET	Public Property: YES	
	Private Property: NO	

DETAILED DESCRIPTION OF WORK

REMARKS

CORLOT=U 3 Borehole marked in park with wooden stakes. Labeled BH1, BH2 and BH3. Please mark a 5 m radius around borehole marking. Please include BH ID in drawings.

MEMBERS NOTIFIED: The following owners of underground infrastructure in the area of your excavation site have been notified.

Member name	Station Code	Initial Status
TORONTO SEWER (TORWW07)	TORWW07	Notification sent
PVS FOR ENBRIDGE GAS (ENTW01S)	ENTW01S	Notification sent
PVS FOR TORONTO HYDRO (THTW01S)	THTW01S	Notification sent
PRO-TECH FOR ROGERS (ROGTOR01)	ROGTOR01	Notification sent
PVS FOR BELL CANADA (BCTW01S)	BCTW01S	Notification sent
PVS FOR TORONTO WATER (TORWW01)	TORWW01	Notification sent

MAP SELECTION: Map Selection provided by the excavator through Ontario One Call's map tool or through agent interpretation by



IMPORTANT INFORMATION: Please read.

Defining "NC" - Non-Compliant

- Non-compliant members have not met their obligations under section 5 of the Ontario Underground Infrastructure Notification Act. ON1Call has notified these members to ensure they are aware of your excavation. In this circumstance, should the member not respond, the excavator should contact the member directly to obtain their locates or request a status. ON1Call will not be provided with a locate status from the member regarding this ticket and therefore, cannot provide further information at this time. For locate status contact information please refer to our website.

You have a valid locate when...

- You have reviewed your locate request information for accuracy. CONTACT Ontario One Call (ON1Call) IMMEDIATELY if changes are needed and obtain a corrected locate request confirmation.
- You have obtained locates or clearances from all ON1Call members listed in this ticket before beginning your dig.

You've met your obligations when...

- In addition to this locate request, you have DIRECTLY contacted all owners of infrastructure who ARE NOT current members of ON1Call (such as owned buried infrastructure on private property), as well as arranged for contract locates for your private lines on your private property - where applicable. For a list of locate status contacts visit www.on1call.com.
- You respect the marks and instructions provided by the locators and dig with care; the marks and locator instructions MUST MATCH.
- You have obtained any necessary permits from the municipality in which you are excavating.

What does "Cleared" mean in the "Initial Status" section?

1. The information that you have provided about your dig will not affect that member's underground infrastructure and they have provided you with a clearance, if anything about your excavation changes, please ensure that you update your ticket immediately.

What are the images under "Map Selection":

1. A drawing created by an excavator directly within Ontario One Call's web ticket tool, this is expected to be an accurate rendition of the dig site, and it is the excavator's responsibility to ensure the location matches the information they provide under the 'Dig Location' section OR;
2. A drawing created by an Ontario One Call agent, this drawing is based on a verbal description by phone of the area by the excavator. Agents may create drawings that are larger than the proposed dig to minimize risk of interpretation. It is the excavator's responsibility to review these map selections for accuracy. Changes can be made by the excavator through the web ticket tool, to learn how visit www.on1call.com/contractors.
3. All drawings dictate which members are notified.

Horvat, Thomas

From: torontowaterlocates <torontowaterlocates@toronto.ca>
Sent: Friday, July 19, 2019 10:01 AM
To: Horvat, Thomas
Subject: 20192922529 - Black Creek Blvd and Sandcliffe Rd
Attachments: 20192922529 - Black Creek Blvd and Sandcliffe Rd.png

Hi Thomas,

Sewer portion of the ticket has been cleared according to the drawing attached and the instructions below:

A minimum of 4 m should be maintained on both sides of the 675 mm storm sewer inside the green highlighted area.

A minimum of 1.5 m should be maintained on both sides of the 225 and 300 mm sanitary sewer inside the red highlighted area.

A minimum of 1 m should be maintained on both sides of the catch basin leads and sewer services (dotted lines).

Please do not excavate within the above mentioned distances on both sides of the highlighted area on the map. If you absolutely need to drill in the highlighted areas, you will assume all liability should there be any damages and/or environmental hazards that may occur. Daylighting mandatory prior to drilling in highlighted area.

Please note that all drawings and any associated layouts provided are property of the City of Toronto and are intended for reference purposes only.

Thanks,

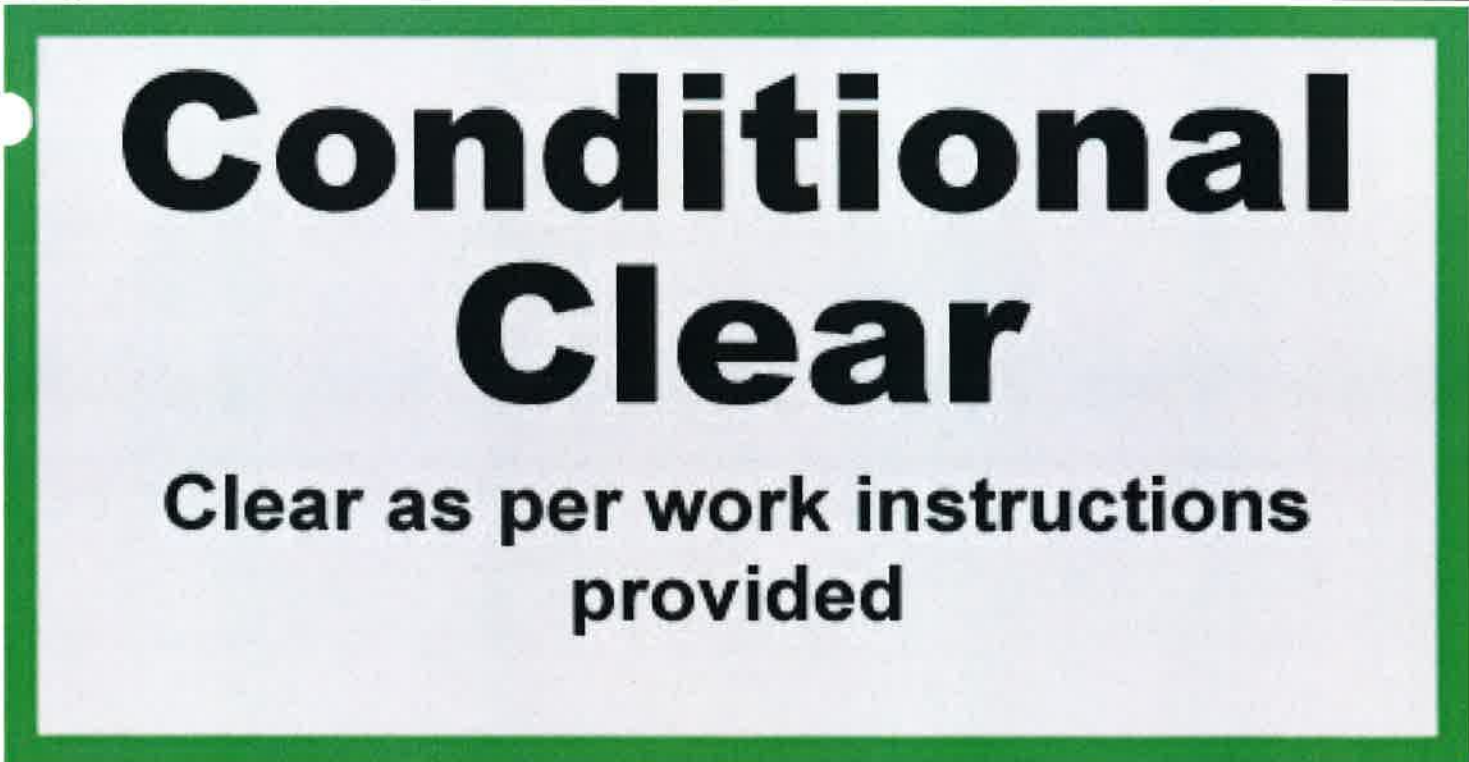
Melody Thai
Toronto Water Locates





This and any associated layout have been prepared for reference purposes only. Property of the City of Toronto - Toronto Water Locates

0m 5 Degrees

Request #:	Call Date:	Excavation Date:	Call Type:
20192922529	18-Jul-2019	25-Jul-2019	Standard
Requested by:	Phone:	Fax:	Email:
	9058189900		thomas.horvat@woodplc.com
Company Name:	Company Address:		Depth:
Wood	100-3450 Harvester RD , Burlington		30.480000
Locate Address:		Type of Work:	
BLACK CREEK BLVD		BORE HOLES	
Description of Work and Work Limits			
CORLOT=U 3 Borehole marked in park with wooden stakes. Labeled BH1, BH2 and BH3. Please mark a 5 m radius around borehole marking. Please include BH ID in drawings.			
LOCATED AREA: EXCVATOR SHALL NOT WORK OUTSIDE THE LOCATED AREA WITHOUT OBTAINING ANOTHER LOCATE.			
Utilities and Station Codes			
SEWER (TORWW07),			
Message to Excavator			
			
Additional Comments:			
Clear as per email sent.			
Completed By:	Date Completed:	Time Completed:	
0	July 19, 2019	10:01 am	

Request #:	Call Date:	Excavation Date:	Call Type:
20192922529	18-Jul-2019	25-Jul-2019	Standard
Requested by:	Phone:	Fax:	Email:
	9058189900		thomas.horvat@woodplc.com
Company Name:	Company Address:		Depth:
Wood	100-3450 Harvester RD , Burlington		30.480000
Locate Address:		Type of Work:	
BLACK CREEK BLVD		BORE HOLES	
Description of Work and Work Limits			
CORLOT=U 3 Borehole marked in park with wooden stakes. Labeled BH1, BH2 and BH3. Please mark a 5 m radius around borehole marking. Please include BH ID in drawings.			
LOCATED AREA: EXCVATOR SHALL NOT WORK OUTSIDE THE LOCATED AREA WITHOUT OBTAINING ANOTHER LOCATE.			
Utilities and Station Codes			
Water (TORWW01),			
Message to Excavator			
<div style="border: 5px solid green; padding: 20px;"> <h1 style="margin: 0;">Conditional Clear</h1> <h2 style="margin: 0;">Clear as per work instructions provided</h2> </div>			
Additional Comments:			
Completed By:	Date Completed:	Time Completed:	
0	July 19, 2019	10:11 am	

BELL CANADA CLEARANCE

CLEARANCE # A5169545

One Call Ticket #: 20192922529

Issued By: BELL CANADA
For Station Code: BCTW01S
Date: 07/19/2019
Time: 12:38:59

Primary Contact: THOMAS HORVAT
Fax:
Type of Work: BORE HOLES

LOCATE DETAILS

Location: BLACK CREEK BLVD
TORONTO

Remarks:

-79.502158 43.674521 NB_SEGMENTS::1 TORWWW01 BCTW01S ROGTOR01 THTW01S ENTW01S TORWWW07

TORONTO DPRA:3 CORLOT=J 3 BOREHOLE MARKED IN PARK WITH WOODEN STAKES. LABELED BH1, BH2 AND BH3. PLEASE MARK A 5 M RADIUS AROUND BOREHOLE MARKING. PLEASE INCLUDE BH ID IN DRAWINGS. NO_PLAN::416 761-M6N

It is the excavator/requestor's responsibility to notify the Look-Up Centre if they cannot meet the conditions outlined above. Failing to do so would acknowledge the acceptance of the conditions outlined prior to any excavation/work.

CAUTION: Stakes or markings may disappear or be displaced. Should sketch and markings not coincide, a new locate must be obtained. This locate is based on information that was provided to the One Call Centre. Any change to location/scope of work requires a new locate from the One Call Centre.

As there may be other buried utilities in the dig site area, you are advised to contact all buried utility owners for your work area and obtain the necessary locates/clearances.

Please pay special attention to who/what this clearance is for. Please review the document carefully and compare it to your locate request to ensure you understand what you are being cleared for. We are not responsible for any damages that result from misunderstanding what utility you are cleared for on this paperwork. Please do not hesitate to contact us if you have any questions or concerns.

If you have any questions or concerns regarding your clearance, please call the Look-Up Centre at 1-844-225-5550.

Attached to the house is a small grey or black box. From this box there is a buried service wire which runs from the house to the road (could run to the back of the property if rear fed). The wire is approximately 6-12 inches deep and if you are planning to dig in that area, you need to dig by hand (shovel/spade) only. The wire can be lifted out of the way and rebuned at the end of the dig. If you happen to cut the service wire, call 611 (Homeowners) or 1-844-225-5550 (Contractors) for a repair."



Primary Locate Sheet

Line Location Request

20192922529-1853749

Phone: 905-984-5197

Fax: 905-984-5367

Toll-Free: 877-558-5569

Standard

Requesting For: Toronto Hydro (THTW01S),

Requested by: Thomas Horvat		Company: Wood	Phone: 9058189900	Excavation Date: 25-Jul-19	Revised Excavation Date: 25-Jul-19	Status: LOCATE COMPLETED
Appt. Date:	Received Date: 19-Jul-19	Type of Work: BORE HOLES				Requestor Type: CONTRACTOR

Locate Address: BLACK CREEK BLVD, TORONTO	Excavator Address: 100-3450 Harvester RD , Burlington
--	--

Caller's Remarks:
CORLOT=U 3 Borehole marked in park with wooden stakes. Labeled BH1, BH2 and BH3. Please mark a 5 m radius around borehole marking. Please include BH ID in drawings. | Lookup: LK_TICKET_STATUS_ID::45LK_LSP::1465416 761-M6N

Gas	Bell	CATV	Hydro Office Clear-1	Water	Sewer	Street Lighting	Fibre
-----	------	------	-------------------------	-------	-------	-----------------	-------

LOCATED AREA: EXCAVATOR SHALL NOT WORK OUTSIDE THE LOCATED AREA WITHOUT OBTAINING ANOTHER LOCATE

DPT Remarks:	<input type="checkbox"/> Third Party Notification
Records Referenced: Utility Map <input type="checkbox"/> Multiviewer Datapak # _____	<p>TORONTO HYDRO ONLY</p> <p>TORONTO HYDRO IS CLEAR WITHIN THE REQUESTED AREA AS PER CALLERS COMMENTS ON ONTARIO ONE CALL REQUEST</p> <p>IF YOU REQUIRE EXCAVATION OUTSIDE THE REQUESTED AREA PLEASE CONTACT ONTARIO ONE CALL FOR A NEW LOCATE.</p>
Alias Plates:	
Field Notes: Other:	

Diameter of Main:	Material Types
Excavator shall notify and receive a clearance from Regional Contacts Prior to excavation for the following:	Gas: <input type="checkbox"/> Cast Iron <input type="checkbox"/> Steel <input type="checkbox"/> Plastic
Gas: <input type="checkbox"/> End Thrust <input type="checkbox"/> Vital Main <input type="checkbox"/> Valve	Telephone: <input type="checkbox"/> Cable <input type="checkbox"/> Conduit <input type="checkbox"/> Telephone Fibre
Telephone: <input type="checkbox"/> High Priority Cables <input type="checkbox"/> Central Office Vicinity	CATV: <input type="checkbox"/> TV Fibre
	Hydro: <input type="checkbox"/> Primary <input type="checkbox"/> Direct Buried
	<input type="checkbox"/> Secondary <input type="checkbox"/> Duct <input type="checkbox"/> Street Lighting
	Water: <input type="checkbox"/> Locate is Approximate Due to Non-metallic Pipe

Method of Field Marking: Paint Stakes Flags Offset Stakes Chalk Steel

Caution: Locate is VOID after 30 days. See attached for Bell Canada, Alectra, Burlington Hydro, Cogeco, Region of Halton, Toronto Hydro, Toronto EIA and Traffic/Rescue Locates valid for 60 days. Toronto Water valid for project. For locate requests, including remarks, contact Ontario One Call 1-800-400-2255.

Caution: The markings may disappear or be misplaced. Should sketch markings not coincide, a new locate must be obtained. This is based on information given at the time. Any changes to location or nature of work requires a new locate. The EXCAVATOR must not work outside the indicated Located Area without a further locate by the company. Privately owned facilities may be present in the Locate Area.

Documents given to be used with this locate: <input type="checkbox"/> None <input checked="" type="checkbox"/> NEB Excavation/Construction Booklet <input type="checkbox"/> Gas Excavation Guidelines <input type="checkbox"/> Hydro Electric Excavation Guidelines <input type="checkbox"/> Bell Guidelines for Excavation	ID Number: 969 Elis S. Date/Time: 19-Jul-2019 12:40 pm In/Out: _____	Accepted By: _____ Print: _____ <input checked="" type="checkbox"/> Mark and Fax/Email <input type="checkbox"/> Left on Site
--	--	--

A copy of this Primary Locate Report and the Auxiliary Locate Sheet(s) must be on site and in the hands of the machine operator during work operations. Should sketch and markings not coincide, a new locate must be obtained.

PRO-TECH

COMMUNICATIONS INC.

Rogers Locate Services

LOCATE FORM

Ticket Type STANDARD

TICKET#: 20192922529

LOCATE VOID AFTER 60 DAYS!

Site Location TO BE DETERMINED	Call Date: 2019-07-18 10:20:00 PM
Municipality: TORONTO	Start Date: 2019-07-25 12:00:01 AM
Address: BLACK CREEK BLVD	Intersection: SANDCLIFFE RD
Requested By: Company WOOD	
Contact name: THOMAS HORVAT	Ph: (905)-818-9900 ext. Fax:

Remarks (Additional Dig Info):
 TORONTO CORLOT-U 3 BOREHOLE MARKED IN PARK WITH WOODEN STAKES. LABELED BH1, BH2 AND BH3. PLEASE MARK A 5 M RADIUS AROUND BOREHOLE MARKING. PLEASE INCLUDE BH ID IN DRAWINGS. NO PLAN:

-79.502158 43.674521 NB_SEGMENTS::1 TORVVW01 BCTW01S ROGTOR01 THTW01S ENTW01S TORVVW07

Type of work BORE HOLES MACH. DIG

1- FIEL, JOHNREY ROGERS Marked Units: 01 07/27/2019 12:00:00 U:N

DEPTH OF CABLE PLANT VARIES, AND MUST BE DETERMINED BY "HAND DIGGING"
CAUTION! HAND DIG WITHIN ONE (1) METER OR 3.28 FEET OF MARKINGS

WORK AREA: EXCAVATOR SHALL NOT WORK OUTSIDE THE LIMITS OF THE WORK AREA WITHOUT OBTAINING ANOTHER LOCATE.

<p><u>Legend:</u></p> <ul style="list-style-type: none"> Hydrant Hydro Pole Bell Pole Anchor Manhole Sewer Catch Basin Railroad Track Fence Line FL Property Line PL Paint P Stake S Traffic Controller Pedestal Cable Television TV Conduit C Fibre Optic FO 	<p style="text-align: center;"><i>SKETCH NOT DRAWN TO SCALE</i></p> <p>CAUTION: The markings may disappear or be misplaced. Should sketch and marking not coincide, excavator must obtain a new locate. This is based on information given at the time. Any changes to location or nature of work require a new locate. The EXCAVATOR must not work outside the indicated located area without a further locate by the company. Privately owned services within the located area have not been marked - check with the service/property owner.</p> <p>Locate is VOID after 60 days.</p> <p>For remarks contact Local One Call Centre or Locate Service Provider.</p> <p>Locate the plant: The plant location information provided is the best we have available but constitutes only an estimate. Depth of underground plant varies and the exact location must be determined by hand digging prior to excavation with mechanical equipment. Mechanical equipment must not be used within one metre of the estimated location of the plant.</p> <div style="text-align: right;"> </div> <div style="border: 1px dotted black; height: 150px; width: 100%;"></div> <p style="text-align: center;">If there's any discrepancy between drawing and or measurements and paint markings, Do Not Start or continue excavation; arrange a site meet with locating company.</p>
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Locator's Signature: _____	Thank you for calling before you dig!	Plant Ref: : _____
Accepted By: _____	Vehicle ID: _____	Locate done for: _____
<input type="checkbox"/> Work Started <input type="checkbox"/> Follow up Required	Date Completed: _____	Time Done: _____ : _____ a.m. / p.m.

CONTRACTOR MUST KEEP ONE COPY ON JOB SITE! FOR ALL CUT CABLE, PLEASE CALL : 800-265-9501

PRO-TECH

COMMUNICATIONS INC.

Rogers Locate Services

LOCATE FORM

Ticket Type STANDARD

TICKET#: 20192922529

LOCATE VOID AFTER 60 DAYS!

Site Location: <u>TO BE DETERMINED</u>	Call Date: <u>2019-07-18 10:20:00 PM</u>
Municipality: <u>TORONTO</u>	Start Date: <u>2019-07-25 12:00:01 AM</u>
Address: <u>BLACK CREEK BLVD</u>	Intersection: <u>SANDCLIFFE RD</u>
Requested By: Company <u>WOOD</u>	
Contact name: <u>THOMAS HORVAT</u>	Ph: <u>(905)-818-9900 ext. _____</u> Fax: _____

Remarks (Additional Dig Info):
 TORONTO CORLOT=U 3 BOREHOLE MARKED IN PARK WITH WOODEN STAKES. LABELED BH1, BH2 AND BH3. PLEASE MARK A 5 M RADIUS AROUND BOREHOLE MARKING. PLEASE INCLUDE BH ID IN DRAWINGS. NO PLAN:
 -79.502158 43.674521 NB_SEGMENTS::1 TORWWW01 BCTW01S ROGTOR01 THTW01S ENTW01S TORWWW07

Type of work BORE HOLES

MACH. DIG

1- FIEL, JOHNREY ROGERS Marked Units: 01 07/27/2019 12:00:00 U:N

DEPTH OF CABLE PLANT VARIES, AND MUST BE DETERMINED BY "HAND DIGGING" CAUTION! HAND DIG WITHIN ONE (1) METER OR 3.28 FEET OF MARKINGS

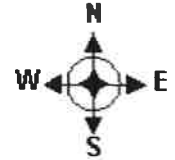
WORK AREA: EXCAVATOR SHALL NOT WORK OUTSIDE THE LIMITS OF THE WORK AREA WITHOUT OBTAINING ANOTHER LOCATE.

<p>Legend:</p> <ul style="list-style-type: none"> Hydrant Hydro Pole Bell Pole Anchor Manhole Sewer Catch Basin Railroad Track Fence Line FL Property Line PL Paint P Stake S Traffic Controller Pedestal Cable Television TV Conduit C Fibre Optic FO 	<p>SKETCH NOT DRAWN TO SCALE</p> <p>CAUTION: The markings may disappear or be misplaced. Should sketch and marking not coincide, excavator must obtain a new locate. This is based on information given at the time. Any changes to location or nature of work require a new locate. The EXCAVATOR must not work outside the indicated located area without a further locate by the company. Privately owned services within the located area have not been marked - check with the service/property owner.</p> <p>Locate is VOID after 60 days.</p> <p>For remarks contact Local One Call Centre or Locate Service Provider.</p> <p>Locate the plant: The plant location information provided is the best we have available but constitutes only an estimate. Depth of underground plant varies and the exact location must be determined by hand digging prior to excavation with mechanical equipment. Mechanical equipment must not be used within one metre of the estimated location of the plant.</p> <p style="text-align: center;">If there's any discrepancy between drawing and or measurements and paint markings, Do Not Start or continue excavation; arrange a site meet with locating company.</p>	<div style="border: 1px dotted black; height: 300px; width: 100%;"></div>
---	---	---

Locator's Signature: _____	Thank you for calling before you dig!	Plant Ref: : _____
Accepted By: _____	Vehicle ID: _____	Locate done for: _____
<input type="checkbox"/> Work Started <input type="checkbox"/> Follow up Required	Date Completed: _____	Time Done: _____ a.m. / p.m.

CONTRACTOR MUST KEEP ONE COPY ON JOB SITE! FOR ALL CUT CABLE, PLEASE CALL : 800-265-9501

SKETCH NOT DRAWN TO SCALE



**5M RADIUS AROUND BH1, BH2, AND BH3
WORK AREA ALL CLEAR**

ANY QUESTION CALL: JR CONTACT# (416) 569 - 4716

DATE: JULY 27 2019

Hydrant		Manhole		Property Line	— PL —	Flush to grade		Cable Television	— TV —
Hydro Pole		Sewer		Fence Line	— FL —	Pedestal		Conduit	— C —
Bell Pole		Catch Basin		Paint	— P —	Work Area		Fibre Optic	— FO —
Anchor		Railroad Track		Stake	— S —	Dip			

NOTE:



Primary Locate Sheet

Line Location Request

20192922529-1853747

Phone: 905-984-5197 Fax: 905-984-5367 Toll-Free: 877-558-5569

Standard

Locating For: Enbridge Gas (ENTW01S),		Revised Excavation Date: 25-Jul-19	Excavation Date: 25-Jul-19	Status: LOCATE COMPLETED
Requested by: Thomas Horvat	Company Wood	Phone: 9058189900	Fax:	Requestor Type: CONTRACTOR
Appt. Date:	Received Date: 19-Jul-19	Type of Work: BORE HOLES		

Locate Address: BLACK CREEK BLVD, TORONTO	Excavator Address: 100-3450 Harvester RD, Burlington
--	---

Caller's Remarks:
CORLOT=U 3 Borehole marked in park with wooden stakes. Labeled BH1, BH2 and BH3. Please mark a 5 m radius around borehole marking. Please include BH ID in drawings. | Lookup: LK_TICKET_STATUS_ID::45LK_LSP::1465416 761-M6N

Gas	Bell	CATV	Hydro	Water	Sewer	Street Lighting	Fibre
Field Clear-1							

LOCATED AREA: EXCAVATOR SHALL NOT WORK OUTSIDE THE LOCATED AREA WITHOUT OBTAINING ANOTHER LOCATE

DPT Remarks:	<input type="checkbox"/> Third Party Notification
Records Referenced: Utility Map	<div style="border: 1px dashed gray; padding: 20px; width: fit-content; margin: auto;"> <p>APPLY STICKER HERE IF REQUIRED</p> </div>
<input type="checkbox"/> Multiviewer Datapak # <u>324</u>	
Atlas Plates: 86 Field Notes: Other:	

Diameter of Main:	Material Types Gas: <input type="checkbox"/> Cast Iron <input type="checkbox"/> Steel <input type="checkbox"/> Plastic Telephone: <input type="checkbox"/> Cable <input type="checkbox"/> Conduit <input type="checkbox"/> Telephone Fibre CATV: <input type="checkbox"/> TV Fibre Hydro: <input type="checkbox"/> Primary <input type="checkbox"/> Direct Buried <input type="checkbox"/> Secondary <input type="checkbox"/> Duct <input type="checkbox"/> Street Lighting Water: <input type="checkbox"/> Locate is Approximate Due to Non-metallic Pipe
Excavator shall notify and receive a clearance from Regional Contacts Prior to excavation for the following: Gas: <input type="checkbox"/> End Thrust <input type="checkbox"/> Vital Main <input type="checkbox"/> Valve Telephone: <input type="checkbox"/> High Priority Cables <input type="checkbox"/> Central Office Vicinity	

Method of Field Marking: Paint Stakes Flags Offset Stakes Chalk Steel

Caution: Locate is VOID after 30 days. See attached for Bell Canada. Alectra, Burlington Hydro, Cogeco, Region of Halton, Toronto Hydro, Toronto EIA and Traffic/Rescue Locates valid for 60 days. Toronto Water valid for project. For locate requests, including remarks, contact Ontario One Call 1-800-400-2255.

Caution: The markings may disappear or be misplaced. Should sketch markings not coincide, a new locate must be obtained. This is based on information given at the time. Any changes to location or nature of work requires a new locate. The EXCAVATOR must not work outside the indicated Located Area without a further locate by the company. Privately owned facilities may be present in the Locate Area.

Documents given to be used with this locate: <input type="checkbox"/> None <input type="checkbox"/> NEB Excavation/Construction Booklet <input type="checkbox"/> Gas Excavation Guidelines <input type="checkbox"/> Hydro Electric Excavation Guidelines <input type="checkbox"/> Bell Guidelines for Excavation	ID Number: <u>869 Cole G.</u> Date/Time: <u>29-Jul-2019 12:38 pm</u> In/Out: <u>12:37 pm 12:38 pm</u>	Accepted By: _____ Print: _____ <input checked="" type="checkbox"/> Mark and Fax/Email <input type="checkbox"/> Left on Site
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A copy of this Primary Locate Report and the Auxiliary Locate Sheet(s) must be on site and in the hands of the machine operator during work operations. Should sketch and markings not coincide, a new locate must be obtained.



Auxiliary Locate Sheet

Phone: 905-984-5197 Toll Free: 877-558-5569 Fax: 905-984-5367

Utilities Located: Enbridge Gas (ENTW01S),	Request #: 20192922529-1853747	Requested by: Wood
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Number of Services Marked (Specify Building Numbers):

LOCATED AREA: EXCAVATOR SHALL NOT WORK OUTSIDE THE LOCATED AREA WITHOUT OBTAINING ANOTHER LOCATE.

From: 2M S OF SBL OFF 114 BLACK CREEK BLVD	To: 8M S OF SBL OF 114 BLACK CREEK BLVD
From: 3M W OF WBL OF 114 BLACK CREEK BLVD	To: 2M E OF WBL OF 114 BLACK CREEK BLVD

LEGEND:

- Building Line BL
- Fence Line FL
- Face of Curb CL
- Road Edge RE
- *Pavement edge of asphalt or road surface*
- Driveway DW
- Manhole M/H
- Catch Basin CB
- Sidewalk SW
- Pole
- Limit of utility owned facilities DM
- Transformer
- Railway
- Gas Valve
- Pedestal
- Hydrant
- Buried Service Wire -BSW-
- Fiber Optic Cable -FO-
- Gas Main -GM-
- Gas Service -GS-
- Hydro Service -HS-
- Telephone Cable -B-
- Conduit -C-
- Hydro -H-
- Water -W-
- Cable TV -TV-
- Traffic Signal -TS-
- Street Light -SL-
- Sanitary Sewer -SAN-
- Storm Sewer -ST-

HAND DIG WITHIN 1M (3.28ft) AS MEASURED HORIZONTALLY FROM THE FIELD MARKINGS DEPTH VARIES AND MUST BE VERIFIED BY HAND DIGGING

LOCATED AREA HAS BEEN ALTERED AS PER: _____

LOCATE AREA CLEAR OF ENBRIDGE GAS PLANT

Located Area

BLACK CREEK BLVD

This form is valid only with the primary locate sheet. This sketch is not to scale. Measurements are in metres. Any privately owned services within the located area have not been marked – check with service/property owner

A Copy of this Auxiliary Locate Sheet and the Primary Locate Sheet must be on site and in the hands of the machine operator during work operations. Should sketch and markings not coincide, a new locate must be obtained.



Auxiliary Locate Sheet

Phone: 905-984-5197 Toll Free: 877-558-5569 Fax: 905-984-5367

Utilities Located: Enbridge Gas (ENTW01S),	Request #: 20192922529-1853747	Requested by: Wood
--	--------------------------------	--------------------

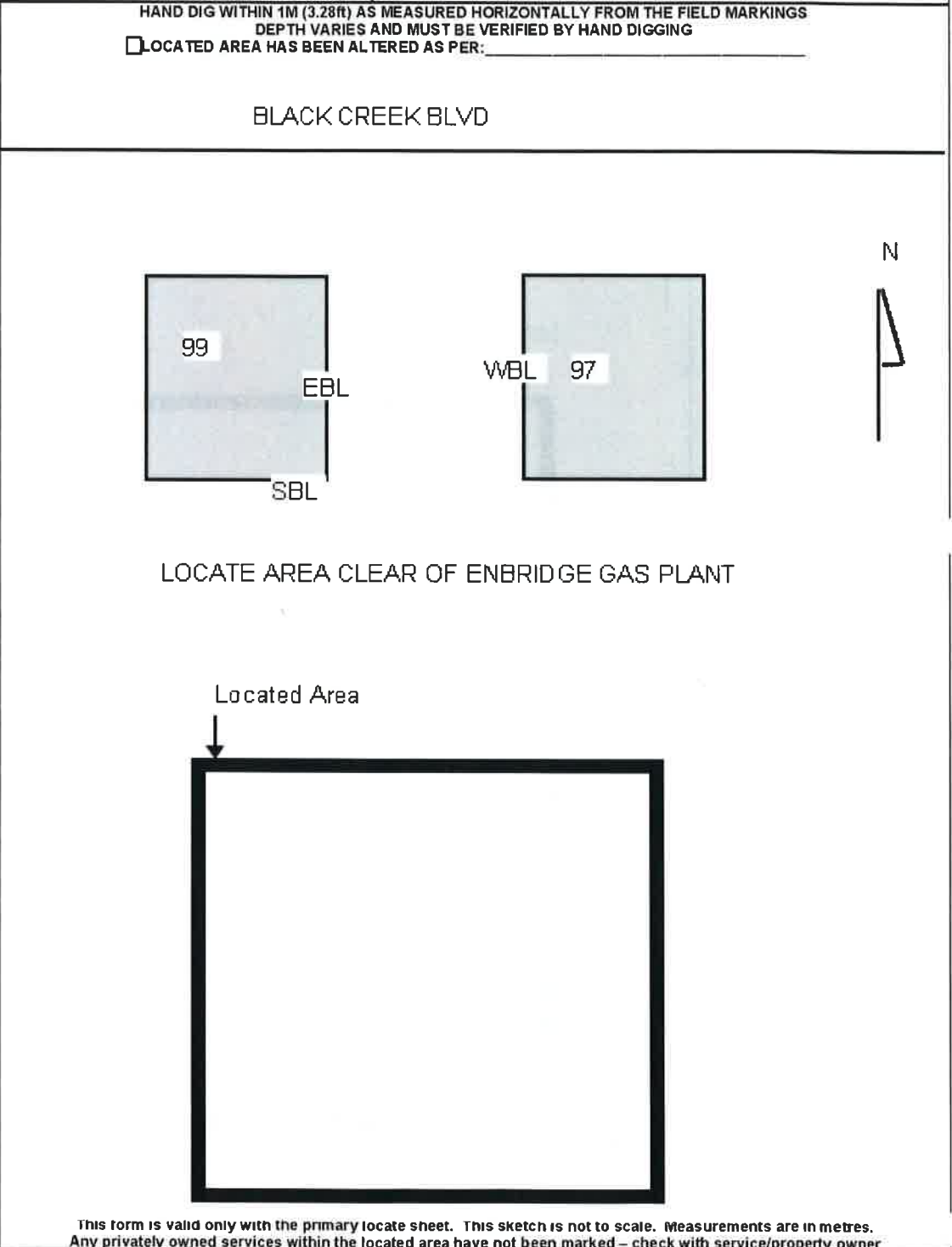
Number of Services Marked (Specify Building Numbers):

LOCATED AREA: EXCAVATOR SHALL NOT WORK OUTSIDE THE LOCATED AREA WITHOUT OBTAINING ANOTHER LOCATE.

From 20M S OF SBL OF 99 BLACK CREEK BLVD	To: 30M S OF SBL OF 99 BLACK CREEK BLVD
From 3M W OF EBL OF 99 BLACK CREEK BLVD	To: 3M E OF WBL OF 97 BLACK CREEK BLVD

LEGEND:

Building Line	BL
Fence Line	FL
Face of Curb	CL
Road Edge	RE
<i>*Pavement edge of asphalt or road surface</i>	
Driveway	DW
Manhole	M/H
Catch Basin	CB
Sidewalk	SW
Pole	
Limit of utility owned facilities	DM
Transformer	
Railway	
Gas Valve	
Pedestal	
Hydrant	
Buried Service Wire	-BSW-
Fiber Optic Cable	-FO-
Gas Main	-GM-
Gas Service	-GS-
Hydro Service	-HS-
Telephone Cable	-B-
Conduit	-C-
Hydro	-H-
Water	-W-
Cable TV	-TV-
Traffic Signal	-TS-
Street Light	-SL-
Sanitary Sewer	-SAN-
Storm Sewer	-ST-



This form is valid only with the primary locate sheet. This sketch is not to scale. Measurements are in metres. Any privately owned services within the located area have not been marked – check with service/property owner

A Copy of this Auxiliary Locate Sheet and the Primary Locate Sheet must be on site and in the hands of the machine operator during work operations. Should sketch and markings not coincide, a new locate must be obtained.



Auxiliary Locate Sheet

Phone: 905-984-5197 Toll Free: 877-558-5569 Fax: 905-984-5367

Utilities Located: Enbridge Gas (ENTW01S),	Request #: 20192922529-1853747	Requested by: Wood
--	-----------------------------------	-----------------------

Number of Services Marked (Specify Building Numbers):

LOCATED AREA: EXCAVATOR SHALL NOT WORK OUTSIDE THE LOCATED AREA WITHOUT OBTAINING ANOTHER LOCATE.

From: 15M S OF SBL OF 79 BLACK CREEK BLVD	To: 35M S OF SBL OF 79 BLACK CREEK BLVD
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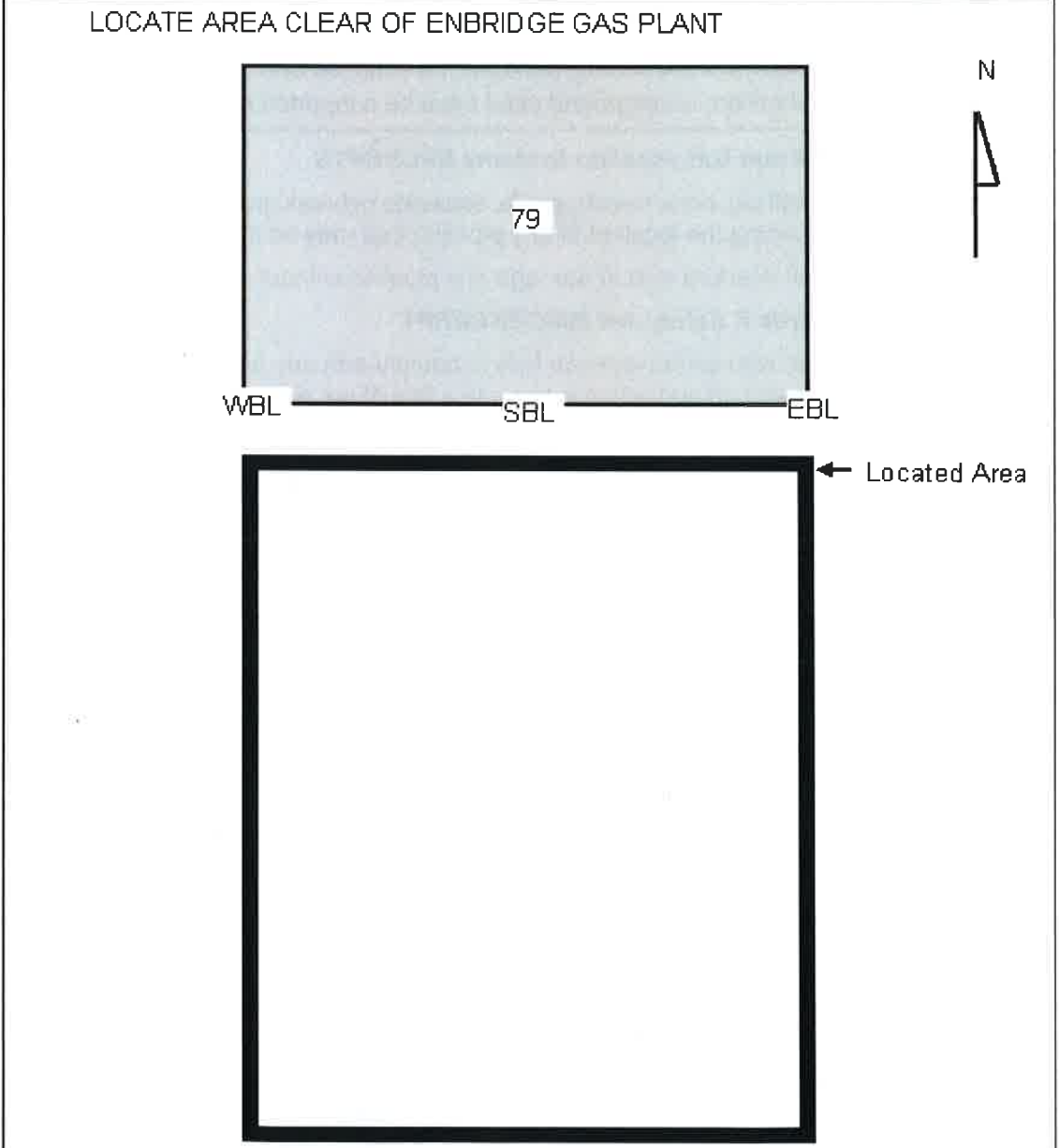
From: WBL OF 79 BLACK CREEK BLVD	To: EBL OF 79 BLACK CREEK BLVD
----------------------------------	--------------------------------

LEGEND:

Building Line	BL
Fence Line	FL
Face of Curb	CL
Road Edge	RE
<i>*Pavement edge of asphalt or road surface</i>	
Driveway	DW
Manhole	M/H
Catch Basin	CB
Sidewalk	SW
Pole	
Limit of utility owned facilities	DM
Transformer	
Railway	
Gas Valve	
Pedestal	
Hydrant	
Buried Service Wire	-BSW-
Fiber Optic Cable	-FO-
Gas Main	-GM-
Gas Service	-GS-
Hydro Service	-HS-
Telephone Cable	-B-
Conduit	-C-
Hydro	-H-
Water	-W-
Cable TV	-TV-
Traffic Signal	-TS-
Street Light	-SL-
Sanitary Sewer	-SAN-
Storm Sewer	-ST-

HAND DIG WITHIN 1M (3.28ft) AS MEASURED HORIZONTALLY FROM THE FIELD MARKINGS
 DEPTH VARIES AND MUST BE VERIFIED BY HAND DIGGING
 LOCATED AREA HAS BEEN ALTERED AS PER: _____

BLACK CREEK BLVD



This form is valid only with the primary locate sheet. This sketch is not to scale. Measurements are in metres.
 Any privately owned services within the located area have not been marked – check with service/property owner

A Copy of this Auxiliary Locate Sheet and the Primary Locate Sheet must be on site and in the hands of the machine operator during work operations. Should sketch and markings not coincide, a new locate must be obtained.

This form revised November 2015.

Warning!

The excavator must have a copy of this locate on the job site during excavation.

Located Area: The excavator must not work outside the area indicated by the Located Area in the diagram overleaf without a further locate by the Company.

Locate the plant: The plant location information provided is the best we have available but constitutes only an estimate. Depth of underground plant varies and the exact location must be determined by hand digging prior to excavation with mechanical equipment.

Mechanical equipment must not be used within one metre of the estimated location of the plant.

Expose the plant: Once the plant has been located by hand digging, it must be exposed along its length adjacent to or in the immediate vicinity of the proposed excavation. For this purpose, mechanical equipment must not be used within 0.5 metres of the plant.

Digging around the exposed plant: When the plant has been exposed, any further excavation within 0.3 metres, must only be done by hand digging and not with mechanical equipment.

Support Requirements: If the underground plant is exposed over a distance of more than 1.25 metres, the utility company must be notified; underground plant must be supported at all times.

0. Reg. 210/01 Oil and Gas Pipeline Systems EXCERPTS

9. (1) No person shall dig, bore, trench, grade, excavate or break ground with mechanical equipment or explosives without first ascertaining the location of any pipeline that may be interfered with.

10. No person shall interfere with or damage any pipeline without authority to do so.

Technical Standards & Safety Act 2000 EXCERPT

37 (1) Every person who contravenes or fails to comply with any provision of this act or the regulations; etc. ... is guilty of an offense and on conviction is liable to a fine of not more than \$50,000 or to imprisonment for a term of not more than one year, or to both.

Caution: The markings may disappear or be misplaced. Should sketch markings not coincide, a new locate must be obtained. This is based on information given at the time. Any changes to location or nature of work require a new locate. The EXCAVATOR must not work outside the indicated Located Area without a further locate by the company. Privately owned facilities may be present in Locate Area, check with property owner.

Locate is VOID after 30 days; Bell has exceptions, see attached letter.

For remarks contact Ontario One 1-800-400-2255.

Shown on this locate form and within the located area are only the underground facilities, gas or utility lines, which we were able to locate using conventional technology. There may be other lines, including but not limited to, customer owned lines, such as lines for a pool or a gas barbeque ("Customer Lines"), which we were not able to locate. Often customer owned facilities are installed in such a way as to make location impossible. Depth and location of these facilities is not known. Locate company or utility is not responsible or liable for any errors on this locate for Customer Lines and it is to be relied upon at your own risk.

Planning to Dig ... CALL US FIRST

Typical metric Conversions:
(m = metre, ft = foot)

**Members of Ontario
ONE CALL**

**Phone 1-800-400-2255
or
Fax 1-800-400-8876**



0.5 ft = 0.15 m	0.15 m = 0.5 ft
1 ft = 0.3 m	1 m = 3.3 ft
2 ft = 0.6 m	2 m = 6.6 ft
3 ft = 0.9 m	3 m = 9.8 ft
4 ft = 1.2 m	4 m = 13.1 ft
5 ft = 1.5 m	5 m = 16.4 ft
6 ft = 1.8 m	6 m = 19.7 ft
7 ft = 2.1 m	7 m = 23.0 ft
8 ft = 2.4 m	8 m = 26.2 ft
9 ft = 2.7 m	9 m = 29.5 ft
10 ft = 3.0 m	



Here is the locate you requested. If you have any questions please feel free to contact our office at 1-905-984-5414 for assistance.

Please note that privately owned utilities are typically not covered under your Ontario One Call locate request.

If you suspect that there are privately owned utilities within your work area, PVS is available to provide private locate services. Please contact us to request a quote and discuss in greater detail. Visit www.pvslocates.com to learn more about our suite of services.

EXCAVATION GUIDELINES DISCLAIMER

Hand Digging

Means excavation using only a shovel with a wooden or an insulated handle. No picks, bars or other devices shall be used.

Mechanical Excavation

Means boring or open cut excavation by means of powered mechanical equipment, hand held augers, picks or bars.

General Conditions

All work shall be carried out in accordance with the most current version of:

- a) the Occupational Health and Safety Act (O.H.S.A.) and Regulations which apply under the act, and
- b) All other pertinent and local regulations or conditions.

Locate Boundaries/Accuracy

- The excavator shall not dig outside the area covered by the locate form without obtaining a further locate.
- Locate accuracy shall be considered to be one metre on either side of the surface centre lines unless the locate instructions specifically indicate other boundary limits.
- Where the underground plant is wider than two metres (e.g. subsurface chambers), special instructions shall be included on the locate form.
- Where underground plant is uncovered in a place other than where the locate indicates, the excavator shall cease further excavation in the immediate area and contact the Utility immediately.

Duration

Unless otherwise noted, locates are valid for 30 days. For remarks please contact Ontario One Call @ 1-800-400-2255.

Initial Exposure

At no time shall a contractor or subcontractor use mechanical means of excavation within the boundary limits of the locate without first digging test hole(s) to determine the plant's exact location and depth of cover. The test holes shall be dug using only hand digging methods at periodic intervals along the plant as specified by the Utility. Hand digging shall be by the use of a shovel with a wooden or an insulated handle only. When digging in frost conditions, the excavator shall first contact the Utility for instructions.

Undermining the Plant

Where underground plant must be undermined for more than one metre, the excavator shall contact the Utility for supporting procedures and required clearances.

Moving of Underground Plant

No plant shall be moved even slightly to accommodate the excavation work. The local Utility shall be contacted for instructions if moving is required.

Work Around Exposed Plant



UTILITY LOCATE REPORT

Company: Wood Environmental & Infrastructure Solutions	Company Address: 3450 Harvester Rd., Suite 100 Burlington
Contact: Thomas Horvat	Nature of Work: Drilling Boreholes
Phone: 905-745-0952 Email: thomas.horvat@woodplc.com	Site Address: BH4-5 York, Toronto, ON

Start Time: 7:00 am	End Time: 10:00 AM	MOB: 1	Total Hours: 4 hrs
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<p>Notes:</p> <ul style="list-style-type: none"> - CONDUCTED PASSIVE, ACTIVE, AND INDUCTIVE SWEEPS OF LOCATED AREA - LOCATED ONLY VISIBLE AND ACCESSIBLE UTILITIES - ANY ABANDONED OR UNTRACEABLE UTILITIES NOT LOCATED - NO ACCESS TO SANITARY SEWER, MANHOLE LID BOLTED SHUT, REFER TO PUBLIC RECORDS 	<u>Utility Requested:</u>	
	Electrical	M
	Gas	C
	Communication	C
	Water	M
	Sanitary Sewer	NL
	Storm Sewer	C
	Unknown	C
	<p>M = Marker on site C = Clear for all located areas NL = Not Locatable NR = Not Requested</p>	

Caution:

Locate valid for 30 days from the date of completion. The Client shall not work outside the limits of the LOCATED AREA without obtaining a new locate. Hand dig within 1 metre of markings to full depth of excavation. Plant depth may vary. Flags or markings may disappear or become displaced. Should drawing and markings not coincide, a new stake-out must be obtained. A copy of this report must be on site and in the hands of the machine operator during work operations. Exposed or damaged utilities must be immediately reported to S.M.T. Services Inc. at 905-520-0516 and the utility owner as soon as possible.

Company Representative Acknowledgement:

I have read and understand the Terms and Conditions provided with this report. I understand that S.M.T. Services Inc. cannot locate underground utilities unless direct physical access to each utility is provided by the Client. **I understand that this information does not substitute for any authorized location by the owners of any underground utility.**

Name of Company Representative:	Signature of Company Representative:	Locator: S. T.
	X	Proj #:SMT-19-0322A
Prepared By: S.M.T. SERVICES INC.	shawn@smtservicesinc.com 905-520-0516	Date: 08/07/19 (dd/mm/yy) Valid for 30 days
		Page: 1 of 2

ALLIANCE ST.

BH5A

BH5

JANE ST.

BH4B

BH4

BH4A

LEGEND

Electrical	-E-
Gas	-G-
Communication	-C-
Water	-W-
Storm Sewer	-ST-
Sanitary Sewer	-SA-
Unknown	-?-
Fence Line	FL
Curb Line	CL
Building Line	BL
Road Edge	RE
Manhole	
Catch Basin	
Fire Hydrant	
Light Standard	
Borehole	
Valve	
Transformer	
Pedestal	
Pole	
Water Chamber	

LOCATED AREA

LOCATED ALL UTILITIES WITHIN 5M RADIUS OF MARKED BOREHOLE



Locator: S. T.
Proj #:SMT-19-0322A

Prepared For: Wood Environmental & Infrastructure Solutions

Date: 08/07/19
(dd/mm/yy)

Scale: N. T. S.

Prepared By: S.M.T. SERVICES INC.

shawn@smtservicesinc.com
905-520-0516

Valid for 30 days

Page: 2 of 2

Terms and Conditions

- 1 The Client acknowledges that the laws of fundamental physics apply and do not enable S M T SERVICES INC. locating equipment to detect all utilities, objects, features or to provide all coordinates of the position. Pipe, cable, conduits, utilities objects, features which are not detectable (i.e. locatable) because of the laws of fundamental physics cannot be located by S.M.T SERVICES INC. and are not the subject of the provision of the service pursuant to this contract
- 2 Locatable buried utilities are normally defined as:
 - (a) Metallic pipes, cables and conduits which are capable of carrying an electrical current are accessible for direct coupling or inductive coupling of an energizing current or naturally are actively carrying an identifiable electric current and such current is sufficiently large to be detectable by instruments according to the laws of fundamental physics
 - (b) Non-metallic pipes, cables and conduits which have continuous associated tracer wire capable of carrying an electrical current which is accessible for direct coupling of energizing current or naturally are actively carrying an identifiable electric current and such current is sufficiently large to be detectable by instruments according to the laws of fundamental physics
- 3 It is the responsibility of the client to provide direct and simple access to any and all access points for any and all individual pipes, cables, conduits etc. and to permit the application of current. S.M.T SERVICES INC. accepts no responsibility for locating any such lines where the client does not provide access and/or appropriate workplace safe measures.
- 4 Non-metallic pipe and cable (i.e. fibre optics system, etc.) are non-locatable unless either an unbroken tracer wire or continuous metallic sheathing surrounding such buried plant is easily accessible from the surface. The Client must identify and provide all access.
- 5 Non-metallic pipes and conduits (i.e. plastic, concrete, asbestos, clay, etc.) under pressure (i.e. water, gas, force main systems etc.) are non-locatable unless an unbroken tracer wire is attached to the pipe and tracer wire is easily accessible from the surface. The client must provide access.
- 6 Cables carrying DC voltage and/or small diameter cables (i.e. fire alarms or security systems, remote signal cables, inaccessible tracer wire, perfectly balanced AC cables, etc.) can only be detected by direct connection methods. Where sensitive or dangerous connection is involved, the client must provide qualified personnel to isolate and to enable direct access to these systems. S.M.T. SERVICES INC. accepts no responsibility for any damages to plant, or any third party caused by locating signals. Technical information about locating is available from S.M.T SERVICES INC. upon request.
- 7 S.M.T SERVICES INC. is not liable for damages resulting from physical exposure of any underground utilities by the Client, its representatives, their sub-contractors or any other person or corporation.
- 8 The service completed by S.M.T SERVICES INC. is based on the information provided by the Client. Service provided by S.M.T. SERVICES INC. in respect to the location of any underground utility, object or structure is on a best effort and best practices basis. The sketch map provided to the Client by S.M.T SERVICES INC. at the time of service defines the extent of the area investigated
- 9 The Client agrees that excavation defined as digging, drilling or disturbing the ground in any fashion) work required within a minimum of 1.0 metre (or greater if indicated by S.M.T. SERVICES INC. at the time of the service) of the ground surface marking provided by S.M.T SERVICES INC. will be completed by hand digging only
- 10 A re-mark of surficial markings placed on site by S.M.T SERVICES INC. must be obtained prior to any excavation if:
 - (a) Markings become unclear, disappear, are distributed or displaced;
 - (b) 30 days have elapsed since the service was provided;
 - (c) The sketch and site markings do not coincide;
 - (d) The work location has changed;
 - (e) The nature of the work to be performed at the site has changed; or
 - (f) Anything occurs which may indicate that a new or different locate service is needed.

UTILITY LOCATE REPORT

Company: Wood Environmental & Infrastructure Solutions	Company Address: 3450 Harvester Rd., Suite 100 Burlington
Contact: Thomas Horvat	Nature of Work: Drilling Boreholes
Phone: 905-745-0952 Email: thomas.horvat@woodplc.com	Site Address: BH6-7, BH14-16 York, Toronto, ON

Start Time: 7:00 am	End Time: 1:00 pm	MOB: 1	Total Hours: 7 hrs
---------------------	-------------------	--------	--------------------

Notes: <ul style="list-style-type: none"> - CONDUCTED PASSIVE, ACTIVE, AND INDUCTIVE SWEEPS OF LOCATED AREA - LOCATED ONLY VISIBLE AND ACCESSIBLE UTILITIES - ANY ABANDONED OR UNTRACEABLE UTILITIES NOT LOCATED - STORM, SANITARY, AND COMBINATION SEWER MARKED USING LINE OF SIGHT, TOO DEEP TO SONDE - REFER TO PUBLIC RECORDS - Boreholes 14,16 clear of all locatable utilities 	Utility Requested:	
	Electrical	M
	Gas	M
	Communication	M
	Water	M
	Sanitary Sewer	M
	Storm Sewer	M
	Unknown	C
	M = Marker on site C = Clear for all located areas NL = Not Locatable NR = Not Requested	

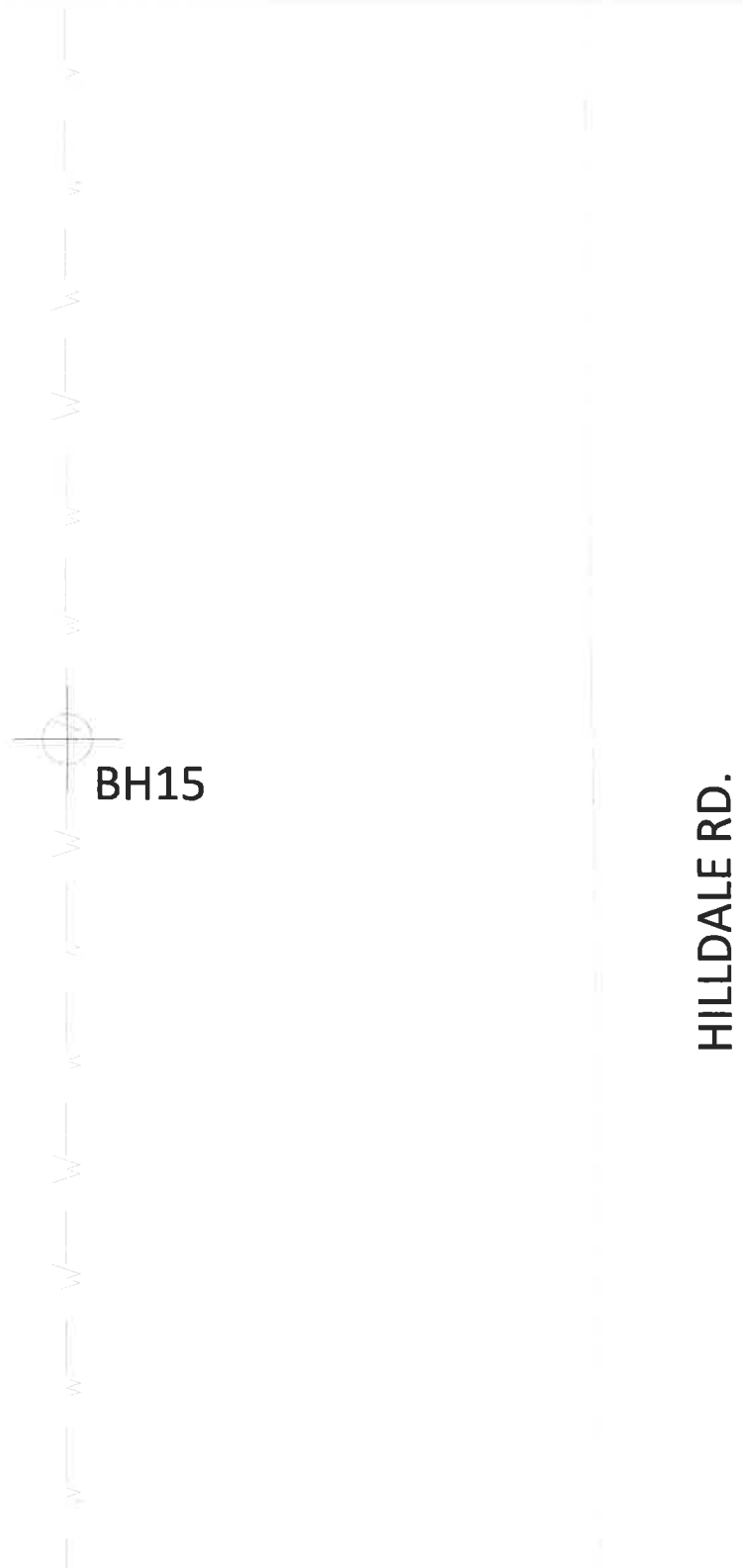
Caution:

Locate valid for 30 days from the date of completion. The Client shall not work outside the limits of the LOCATED AREA without obtaining a new locate. Hand dig within 1 metre of markings to full depth of excavation. Plant depth may vary. Flags or markings may disappear or become displaced. Should drawing and markings not coincide, a new stake-out must be obtained. A copy of this report must be on site and in the hands of the machine operator during work operations. Exposed or damaged utilities must be immediately reported to S.M.T. Services Inc. at 905-520-0516 and the utility owner as soon as possible.

Company Representative Acknowledgement:

I have read and understand the Terms and Conditions provided with this report. I understand that S.M.T. Services Inc. cannot locate underground utilities unless direct physical access to each utility is provided by the Client. **I understand that this information does not substitute for any authorized location by the owners of any underground utility.**

Name of Company Representative:	Signature of Company Representative:	Locator: S. T.
	X	Proj #: SMT-19-0322
Prepared By: S.M.T. SERVICES INC.	shawn@smtservicesinc.com 905-520-0516	Date: 04/07/19 <small>(dd/mm/yy)</small> Valid for 30 days
		Page: 1 of 2



LEGEND

Electrical	-E-
Gas	-G-
Communication	-C-
Water	-W-
Storm Sewer	-ST-
Sanitary Sewer	-SA-
Unknown	-?-
Fence Line	FL
Curb Line	CL
Building Line	BL
Road Edge	RE
Manhole	
Catch Basin	
Fire Hydrant	
Light Standard	
Borehole	
Valve	
Transformer	
Pedestal	
Pole	
Water Chamber	

LOCATED
AREA

LOCATED ALL UTILITIES WITHIN 5M
RADIUS OF MARKED BOREHOLE



Locator: S. T.

Proj. #: SMT-19-0322

Prepared For: Wood Environmental & Infrastructure Solutions

Date: 04/07/19
(dd/mm/yy)

Scale: N. T. S.

Prepared By: S.M.T. SERVICES INC.

shawn@smtservicesinc.com
905-520-0516

Valid for 30 days

Page: 2 of 3



LEGEND

Electrical	-E-
Gas	-G-
Communication	-C-
Water	-W-
Storm Sewer	-ST-
Sanitary Sewer	-SA-
Unknown	-?-
Fence Line	FL
Curb Line	CL
Building Line	BL
Road Edge	RE
Manhole	
Catch Basin	
Fire Hydrant	
Light Standard	
Borehole	
Valve	
Transformer	
Pedestal	
Pole	
Water Chamber	

LOCATED
AREA

ONLY SEWERS LOCATED WITHIN 5M
RADIUS OF MARKED BOREHOLE



Locator: S. T.

Proj. #: SMT-19-0322

Prepared For: Wood Environmental & Infrastructure Solutions

Date: 04/07/19
(dd/mm/yy)

Scale: N. T. S.

Prepared By: S.M.T. SERVICES INC.

shawn@smtservicesinc.com
905-520-0516

Valid for 30 days

Page: 3 of 3

Terms and Conditions

- 1 The Client acknowledges that the laws of fundamental physics apply and do not enable S.M.T SERVICES INC locating equipment to detect all utilities, objects, features or to provide all coordinates of the position. Pipe, cable, conduits, utilities objects, features which are not detectable (i.e. locatable) because of the laws of fundamental physics cannot be located by S.M.T SERVICES INC and are not the subject of the provision of the service pursuant to this contract
- 2 Locatable buried utilities are normally defined as:
 - (a) Metallic pipes, cables and conduits which are capable of carrying an electrical current are accessible for direct coupling or inductive coupling of an energizing current or naturally are actively carrying an identifiable electric current and such current is sufficiently large to be detectable by instruments according to the laws of fundamental physics
 - (b) Non-metallic pipes, cables and conduits which have continuous associated tracer wire capable of carrying an electrical current which is accessible for direct coupling of energizing current or naturally are actively carrying an identifiable electric current and such current is sufficiently large to be detectable by instruments according to the laws of fundamental physics
- 3 It is the responsibility of the client to provide direct and simple access to any and all access points for any and all individual pipes, cables, conduits etc. and to permit the application of current. S.M.T. SERVICES INC. accepts no responsibility for locating any such lines where the client does not provide access and/or appropriate workplace safe measures
- 4 Non-metallic pipe and cable (i.e. fibre optics system, etc.) are non-locatable unless either an unbroken tracer wire or continuous metallic sheathing surrounding such buried plant is easily accessible from the surface. The Client must identify and provide all access.
- 5 Non-metallic pipes and conduits (i.e. plastic, concrete, asbestos, clay, etc.) under pressure (i.e. water, gas, force main systems etc.) are non-locatable unless an unbroken tracer wire is attached to the pipe and tracer wire is easily accessible from the surface. The client must provide access.
- 6 Cables carrying DC voltage and/or small diameter cables (i.e. fire alarms or security systems, remote signal cables, inaccessible tracer wire, perfectly balanced AC cables, etc.) can only be detected by direct connection methods. Where sensitive or dangerous connection is involved, the client must provide qualified personnel to isolate and to enable direct access to these systems. S.M.T. SERVICES INC. accepts no responsibility for any damages to plant, or any third party caused by locating signals. Technical information about locating is available from S.M.T. SERVICES INC. upon request.
- 7 S.M.T SERVICES INC. is not liable for damages resulting from physical exposure of any underground utilities by the Client, its representatives, their sub-contractors or any other person or corporation
- 8 The service completed by S.M.T SERVICES INC. is based on the information provided by the Client. Service provided by S.M.T SERVICES INC. in respect to the location of any underground utility, object or structure is on a best effort and best practices basis. The sketch map provided to the Client by S.M.T. SERVICES INC. at the time of service defines the extent of the area investigated.
- 9 The Client agrees that excavation defined as digging, drilling or disturbing the ground in any fashion) work required within a minimum of 1.0 metre (or greater if indicated by S.M.T SERVICES INC. at the time of the service) of the ground surface marking provided by S.M.T SERVICES INC. will be completed by hand digging only.
- 10 A re-mark of surficial markings placed on site by S.M.T. SERVICES INC. must be obtained prior to any excavation if:
 - (a) Markings become unclear, disappear, are distributed or displaced;
 - (b) 30 days have elapsed since the service was provided;
 - (c) The sketch and site markings do not coincide;
 - (d) The work location has changed;
 - (e) The nature of the work to be performed at the site has changed; or
 - (f) Anything occurs which may indicate that a new or different locate service is needed

Horvat, Thomas

From: Solutions@on1call.com
Sent: Sunday, June 23, 2019 3:26 PM
To: Horvat, Thomas
Subject: Request 2019260291
Attachments: MapSelection_23062019_15244650.png



LOCATE REQUEST CONFIRMATION

TICKET #: 2019260291 **REQUEST PRIORITY:** STANDARD **REQUEST TYPE:** REGULAR **WORK TO BEGIN DATE:** 07/02/2019
Update of Ticket # **Project #** **Transmit date:** 06/23/2019 03:25:02 PM

REQUESTOR'S CONTACT INFORMATION	
Contractor ID#: 245900	Company Phone #: (905) 818-9900
Contact Name: Thomas Horvat	Cell #:
Alternate Contact Name: Willie Kokotec	Fax #:
Company name: Wood	Email: thomas.horvat@woodplc.com
Address: 3450 Harvester RD	Alternate Contact #: (416) 570-4410

DIG INFORMATION		
Region/County: TORONTO	Type of work: BORE HOLES	Mark & Fax: NO
Community:	Max Depth: 140.00 FT	Area is not marked: NO
City: TORONTO	Machine Dig: YES	Area is marked: YES
Address: JANE ST	Hand Dig: NO	Site Meet Req.: NO
Intersecting Street 1: ALLIANCE AVE	Directional Drilling: NO	Work being done for:
Intersecting Street 2: HANEY AVE	Public Property: YES	
	Private Property: NO	

DETAILED DESCRIPTION OF WORK	REMARKS
CORLOT=U 3 Boreholes marked on grass with wooden s takes in areas highlighted in figure. 2 BHs marked on road with paint	5 Boreholes total.

labeled BH4,5. Wooden stakes are re-labeled BH5A, 4A and 4B.
Please mark a 5m radius around borehole markings and include
BH ID in dr

MEMBERS NOTIFIED: The following owners of underground infrastructure in the area of your excavation site have been notified.

Member name	Station Code	Initial Status
PVS FOR TORONTO TRAFFIC SIGNALS (TORTSW01)	TORTSW01	Notification sent
TORONTO SEWER (TORWW07)	TORWW07	Notification sent
PVS FOR ENBRIDGE GAS (ENTW01S)	ENTW01S	Notification sent
PVS FOR TORONTO HYDRO (THTW01S)	THTW01S	Notification sent
PRO-TECH FOR ROGERS (ROGTOR01)	ROGTOR01	Notification sent
PVS FOR BELL CANADA (BCTW01S)	BCTW01S	Notification sent
PVS FOR TORONTO WATER (TORWW01)	TORWW01	Notification sent

MAP SELECTION: Map Selection provided by the excavator through Ontario One Call's map tool or through agent interpretation by



IMPORTANT INFORMATION: Please read.

Defining "NC" - Non-Compliant

- Non-compliant members have not met their obligations under section 5 of the Ontario Underground Infrastructure Notification Act. ON1Call has notified these members to ensure they are aware of your excavation. In this circumstance, should the member not respond, the excavator should contact the member directly to obtain their locates or request a status. ON1Call will not be provided with a locate status from the member regarding this ticket and therefore, cannot provide further information at this time. For locate status contact information please refer to our website.

You have a valid locate when...

- You have reviewed your locate request information for accuracy. CONTACT Ontario One Call (ON1Call) IMMEDIATELY if changes are needed and obtain a corrected locate request confirmation.
- You have obtained locates or clearances from all ON1Call members listed in this ticket before beginning your dig.

You've met your obligations when...

- In addition to this locate request, you have DIRECTLY contacted all owners of infrastructure who ARE NOT current members of ON1Call (such as owned buried infrastructure on private property), as well as arranged for contract locates for your private lines on your private property - where applicable. For a list of locate status contacts visit www.on1call.com.
- You respect the marks and instructions provided by the locators and dig with care; the marks and locator instructions MUST MATCH.
- You have obtained any necessary permits from the municipality in which you are excavating.

What does "Cleared" mean in the "Initial Status" section?

1. The information that you have provided about your dig will not affect that member's underground infrastructure and they have provided you with a clearance, if anything about your excavation changes, please ensure that you update your ticket immediately.

What are the images under "Map Selection":

1. A drawing created by an excavator directly within Ontario One Call's web ticket tool, this is expected to be an accurate rendition of the dig site, and it is the excavator's responsibility to ensure the location matches the information they provide under the 'Dig Location' section OR;

2. A drawing created by an Ontario One Call agent, this drawing is based on a verbal description by phone of the area by the excavator. Agents may create drawings that are larger than the proposed dig to minimize risk of interpretation. It is the excavator's responsibility to review these map selections for accuracy. Changes can be made by the excavator through the web ticket tool, to learn how visit www.on1call.com/contractors.

3. All drawings dictate which members are notified.

ROGERS

8200 Dixie Rd
East Bldg, 2nd Flr
Brampton, Ontario, L6T 0C1
Tel.: (855) 232-0342
Fax.: (905) 780-7379

CLEAR TO DIG

TICKET#: 2019260291
CLEARANCE#: A5037007
DATE: 06/24/2019

ROGTOR01

Requested By: Company: WOOD
Contact name: THOMAS HORVAT Ph: (905)-818-9900 ext. Fax: _____

Dig Site Location :
Municipality : TORONTO Call Date: 06/23/2019
Address : JANE ST Intersection : ALLIANCE AVE

Remarks (Additional Dig Info)
-79.495261 43.675254 NB_SEGMENTS::1 TORWW01 BCTW01S ROGTOR01 THTW01S ENTW01S TORWW07 TORTSW01

TORONTO 5 BOREHOLES TOTAL. CORLOT=U 3 BOREHOLES MARKED ON GRASS WITH WOODEN STAKES IN AREAS HIGHLIGHTED IN FIGURE. 2 BHS MARKED ON ROAD WITH PAINT LABELED BH4,5. WOODEN STAKES ARE LABELED BH5A, 4A AND 4B. PLEASE MARK A 5M RADIUS AROUND BOREHOLE MARKINGS AND INCLUDE BH ID IN DR NO_PLAN::

ALL CLEAR HAS BEEN GIVEN FOR THE WORK AREA DESCRIBED ABOVE.

YOU WILL BE LIABLE FOR ANY DAMAGES TO ROGERS FACILITIES IF EXCAVATING / DIGGING PRIOR TO RECEIVING A COMPLETED LOCATE OR CLEARANCE NUMBER FROM ROGERS OR IT'S AGENTS.

PLEASE CALL ROGERS LOCATE SERVICES AT (800) 738-7893, IF THERE ARE ANY CHANGES TO THIS LOCATE REQUEST. LOCATES AND CLEARANCES ARE VALID FOR 60 DAYS ONLY.

CAUTION: Stakes and or markings may disappear or be displaced. Should the sketches and markings not coincide, a new stake out must be obtained.

**FOR ALL CUT CABLES CALL
1-800-265-9501**

Horvat, Thomas

From: torontowaterlocates <torontowaterlocates@toronto.ca>
Sent: Monday, June 24, 2019 2:58 PM
To: Horvat, Thomas
Subject: 2019260281- HUMBER BLVD
Attachments: 2019260281- HUMBER BLVD 2.PNG; 2019260281- HUMBER BLVD.PNG; 2019260286- ROCKCLIFFE BLVD 2.PNG; 2019260286- ROCKCLIFFE BLVD.PNG; 2019260291- JANE ST 2.PNG; 2019260291- JANE ST.PNG

Hello Thomas,

Sewer portion of the tickets listed below have been cleared according to the drawings attached and the instructions below:

Tickets:
2019260281
2019260286
2019260291

A minimum of 2m should be maintained on both sides of the 300mm, 400mm, and 450mm storm sewers inside the green highlighted area.

A minimum of 4m should be maintained on both sides of the 600mm storm sewer inside the green highlighted area.

A minimum of 4m should be maintained on both sides of the 900mm overflow sewer inside the dark green highlighted area.

A minimum of 6m should be maintained on both sides of the 1050mm, 1200mm, 1524mm overflow sewers inside the dark green highlighted area.

A minimum of 1.5m should be maintained on both sides of the 250mm sanitary sewer inside the red highlighted area.

A minimum of 2m should be maintained on both sides of the 300mm sanitary sewer inside the red highlighted area.

A minimum of 4m should be maintained on both sides of the 900mm sanitary sewer inside the red highlighted area.

A minimum of 2m should be maintained on both sides of the 450mm combined sewer inside the purple highlighted area.

A minimum of 4m should be maintained on both sides of the 900mm combined sewer inside the purple highlighted area.

A minimum of 1 m should be maintained on both sides of the catch basin leads and sewer services (dotted lines).

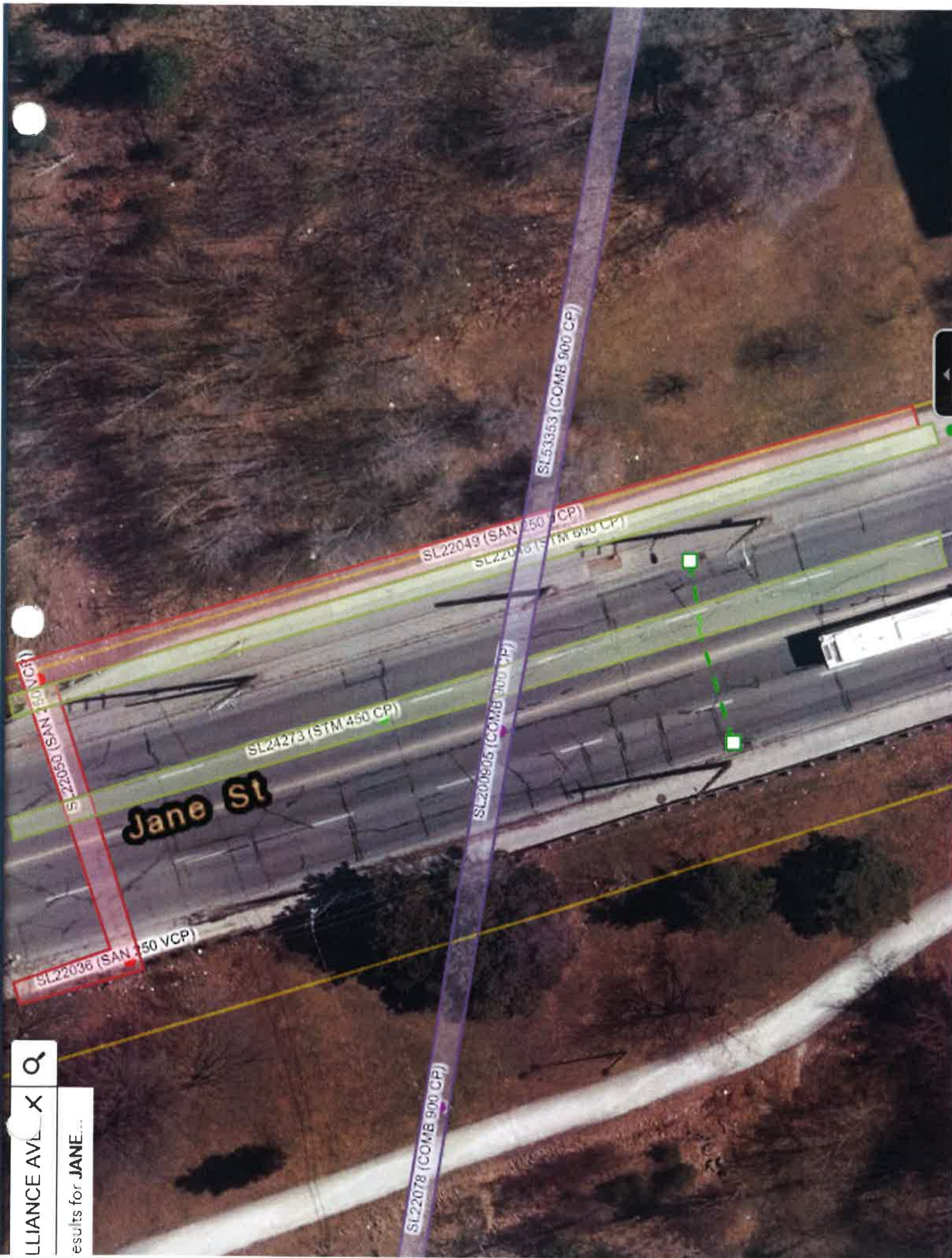
Please do not excavate within the above mentioned distances on both sides of the highlighted area on the map. If you absolutely need to drill in the highlighted areas, you will assume all liability should there be any damages and/or environmental hazards that may occur. Daylighting mandatory prior to drilling in highlighted area.

Please note that all drawings and any associated layouts provided are property of the City of Toronto and are intended for reference purposes only.

Thanks,

Cindy Dziuba
Toronto Water Locates





LLIANCE AVL X

results for JANE...

SL22036 (SAN 350 VCP)
SL22035 (SAN 150 VCP)

Jane St

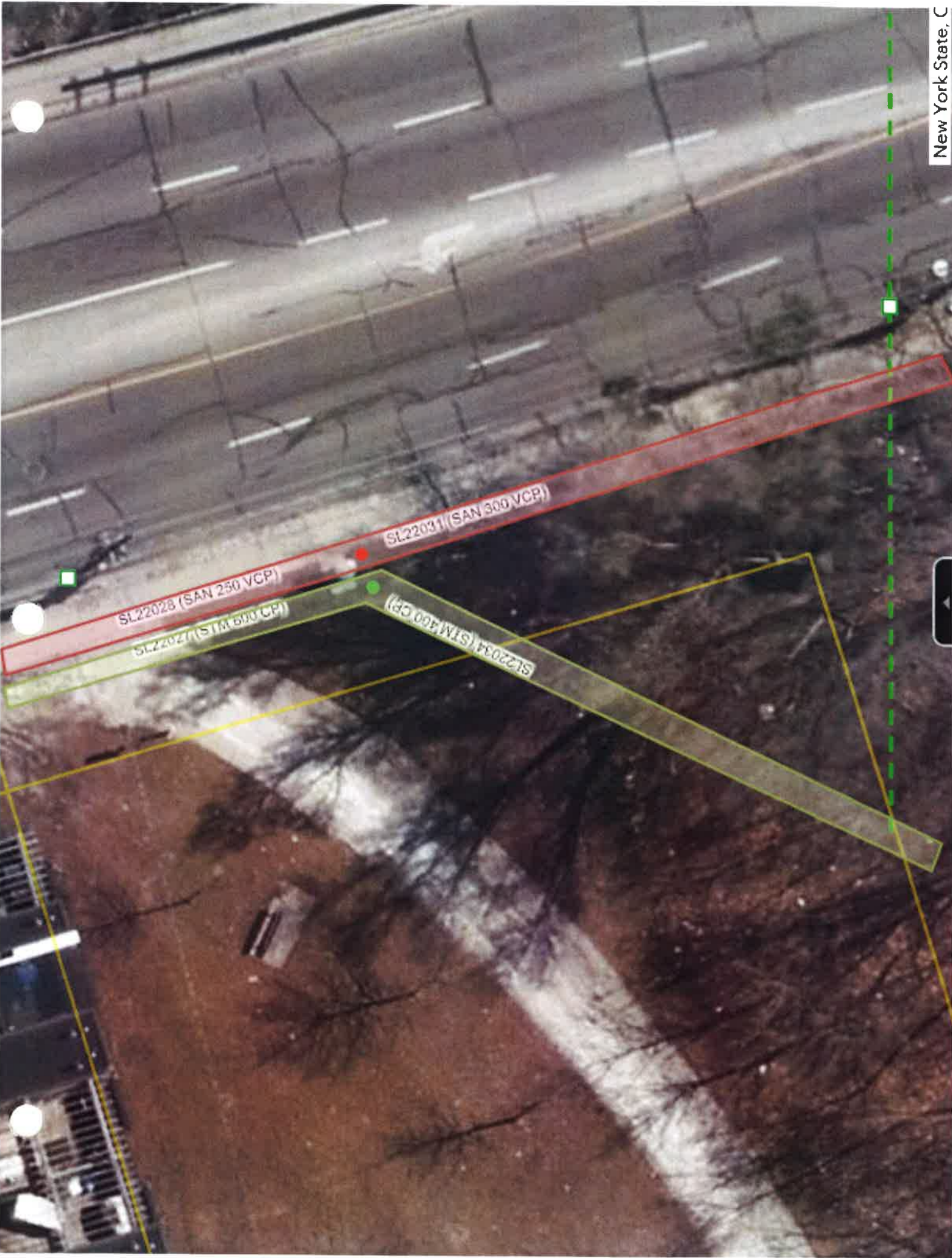
SL24273 (STM 450 CP)

SL22078 (COMB 900 CP)

SL200905 (COMB 900 CP)

SL22049 (SAN 250 CP)
SL22048 (STM 600 CP)

SL53353 (COMB 900 CP)



SL22028 (SAN 250 VCP)

SL22027 (STM 600 CP)

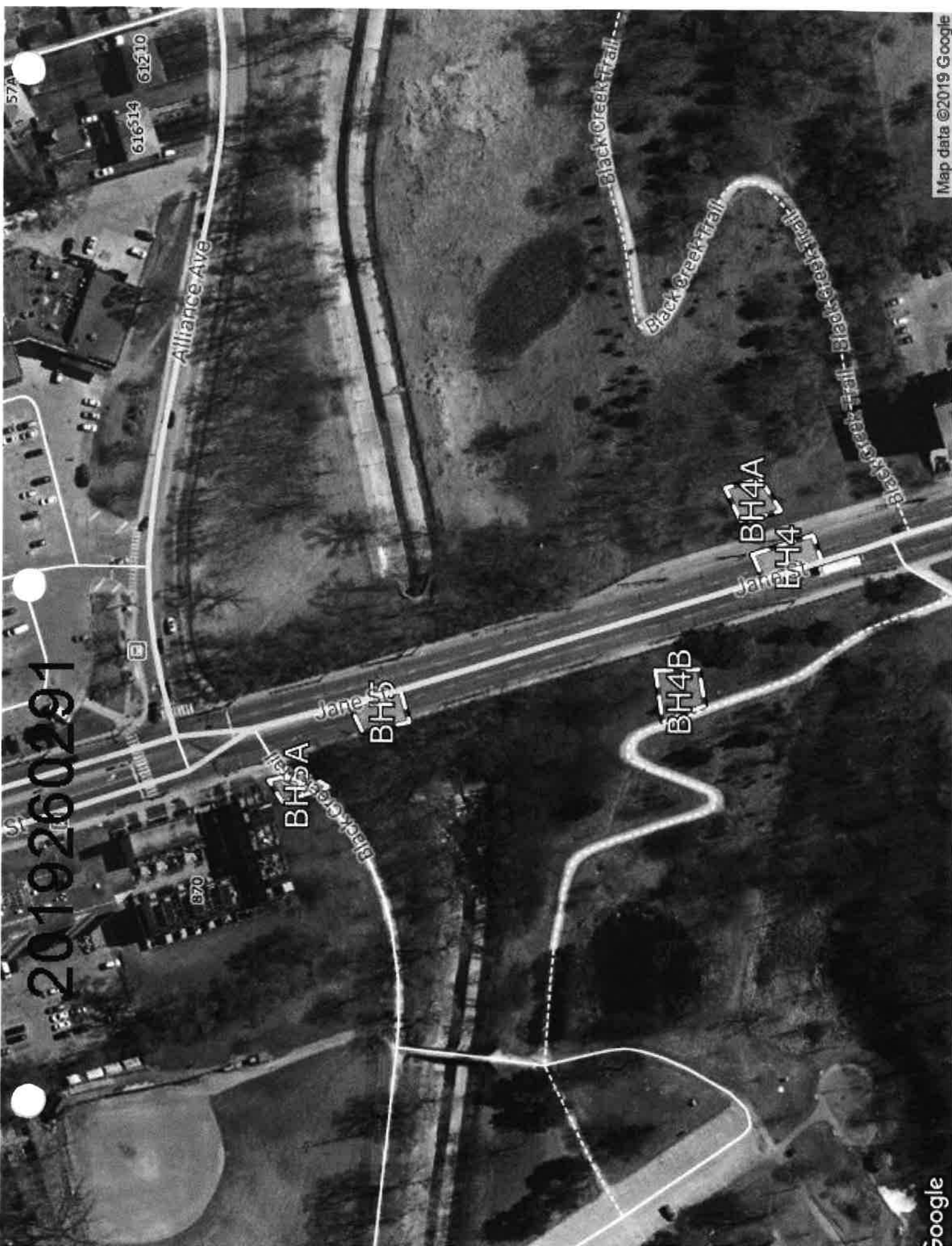
SL22031 (SAN 300 VCP)

SL22034 (STM 400 CP)

Request #	Call Date:	Excavation Date:	Call Type:
2019260291	23-Jun-2019	2-Jul-2019	Standard
Requested by:	Phone:	Fax:	Email:
	9058189900		thomas.horvat@woodplc.com
Company Name:	Company Address:		Depth:
Wood	100-3450 Harvester RD , Burlington		42.672000
Locate Address:		Type of Work:	
JANE ST		BORE HOLES	
Description of Work and Work Limits			
CORLOT=U 3 Boreholes marked on grass with wooden stakes in areas highlighted in figure. 2 BHs marked on road with paint labeled BH4,5. Wooden stakes are labeled BH5A, 4A and 4B. Please mark a 5m radius around borehole markings and include BH ID in dr			
LOCATED AREA: EXCVATOR SHALL NOT WORK OUTSIDE THE LOCATED AREA WITHOUT OBTAINING ANOTHER LOCATE.			
Utilities and Station Codes			
SEWER (TORWW07),			
Message to Excavator			
<div style="border: 5px solid green; padding: 20px;"> <h1 style="margin: 0;">Conditional Clear</h1> <h2 style="margin: 0;">Clear as per work instructions provided</h2> </div>			
Additional Comments:			
Locate as per email.			
Completed By:	Date Completed:	Time Completed:	
0	June 24, 2019	2:57 pm	

Request #:	Call Date:	Excavation Date:	Call Type:
2019260291	23-Jun-2019	2-Jul-2019	Standard
Requested by:	Phone:	Fax:	Email:
	9058189900		thomas.horvat@woodplc.com
Company Name:	Company Address:		Depth:
Wood	100-3450 Harvester RD , Burlington		42.672000
Locate Address:	Type of Work:		
JANE ST	BORE HOLES		
Description of Work and Work Limits			
CORLOT=U 3 Boreholes marked on grass with wooden stakes in areas highlighted in figure. 2 BHs marked on road with paint labeled BH4,5. Wooden stakes are labeled BH5A, 4A and 4B. Please mark a 5m radius around borehole markings and include BH ID in dr			
LOCATED AREA: EXCVATOR SHALL NOT WORK OUTSIDE THE LOCATED AREA WITHOUT OBTAINING ANOTHER LOCATE.			
Utilities and Station Codes			
Water (TORWW01),			
Message to Excavator			
<p>Wait for PVS Contractors (877) 558-5569 to complete locates for Water (TORWW01).</p>			
Additional Comments:			
Completed By:	Date Completed:	Time Completed:	
0	June 24, 2019	2:37 pm	

2019260291



Alliance Ave

616514 61210

870

BH5A

Jane

BH5

BH4B

BH4A

BH4

Black Creek Trail

Black Creek Trail

Black Creek Trail - Black Creek Trail



Primary Locate Sheet

Line Location Request

2019260291-1831110

Phone: 905-984-5197 Fax: 905-984-5367 Toll-Free: 877-558-5569

Standard

Requesting For: Bell (BCTW01S), Enbridge Gas (ENTW01S), Toronto Hydro (THTW01S), Toronto Traffic Signal (TORTSW01), Toronto Water (TORWW01),

Revised Excavation Date: 2-Jul-19 Excavation Date: 2-Jul-19 Status: LOCATE COMPLETED

Requested by: Thomas Horvat Company: Wood Phone: 9058189900 Fax: Requestor Type: CONTRACTOR

Appl. Date: Received Date: 24-Jun-19 Type of Work: BORE HOLES

Locate Address: JANE ST, TORONTO Excavator Address: 100-3450 Harvester RD., Burlington

Caller's Remarks: CORLOT=U 3 Boreholes marked on grass with wooden stakes in areas highlighted in figure. 2 BHs marked on road with paint labeled BH4,5. Wooden stakes are labeled BH5A, 4A and 4B. Please mark a 5m radius around borehole markings and include BH ID in drDPRA:4 5 Boreholes total. Lookup: LK_TICKET_STATUS_ID::41LK_LSP::215 Boreholes total. Lookup: LK_TICKET_STATUS_ID::45LK_LSP::1465416 761-M6N

Gas	Bell	CATV	Hydro	Water	Sewer	Street Lighting	Fibre
M-2	M-2		M-1 FC-1 Office	M-2			

LOCATED AREA: EXCAVATOR SHALL NOT WORK OUTSIDE THE LOCATED AREA WITHOUT OBTAINING ANOTHER LOCATE

DPT Remarks:

Third Party Notification

APPLY STICKER
HERE IF
REQUIRED

Records Referenced:

Utility Map

Multiviewer Datapak # 324

Atlas Plates: 105

Field Notes: 1N371-5,6 1063-39,40

Other:

Diameter of Main: Excavator shall notify and receive a clearance from Regional Contacts Prior to excavation for the following: Gas: <input type="checkbox"/> End Thrust <input type="checkbox"/> Vital Main <input type="checkbox"/> Valve Telephone: <input type="checkbox"/> High Priority Cables <input type="checkbox"/> Central Office Vicinity	Material Types Gas: <input type="checkbox"/> Cast Iron <input type="checkbox"/> Steel <input type="checkbox"/> Plastic Telephone: <input type="checkbox"/> Cable <input type="checkbox"/> Conduit <input type="checkbox"/> Telephone Fibre CATV: <input type="checkbox"/> TV Fibre Hydro: <input checked="" type="checkbox"/> Primary <input type="checkbox"/> Direct Buried <input type="checkbox"/> Secondary <input type="checkbox"/> Duct <input type="checkbox"/> Street Lighting Water: <input checked="" type="checkbox"/> Locate is Approximate Due to Non-metallic Pipe
--	---

Method of Field Marking: Paint Stakes Flags Offset Stakes Chalk Steel

Caution: Locate is VOID after 30 days. See attached for Bell Canada, Alectra, Burlington Hydro, Cogeco, Region of Halton, Toronto Hydro, Toronto BIA and Traffic/Rescue Locates valid for 60 days. Toronto Water valid for project. For locate requests, including remarks, contact Ontario One Call 1-800-400-2255.

Caution: The markings may disappear or be misplaced. Should sketch markings not coincide, a new locate must be obtained. This is based on information given at the time. Any changes to location or nature of work requires a new locate. The EXCAVATOR must not work outside the indicated Located Area without a further locate by the company. Privately owned facilities may be present in the Locate Area.

Documents given to be used with this locate: <input type="checkbox"/> None <input checked="" type="checkbox"/> NEB Excavation/Construction Booklet Gas Excavation Guidelines <input type="checkbox"/> Hydro Electric Excavation Guidelines <input type="checkbox"/> Bell Guidelines for Excavation	ID Number: 869 Cole G. Date/Time: 03-Jul-2019 11:16 am In/Out: 11:16 am 11:16 am	Accepted By: _____ Print: _____ <input checked="" type="checkbox"/> Mark and Fax/Email <input type="checkbox"/> Left on Site
---	--	--

A copy of this Primary Locate Report and the Auxiliary Locate Sheet(s) must be on site and in the hands of the machine operator during work operations. Should sketch and markings not coincide, a new locate must be obtained.



Auxiliary Locate Sheet

Phone: 905-984-5197 Toll Free: 877-558-5569 Fax: 905-984-5367

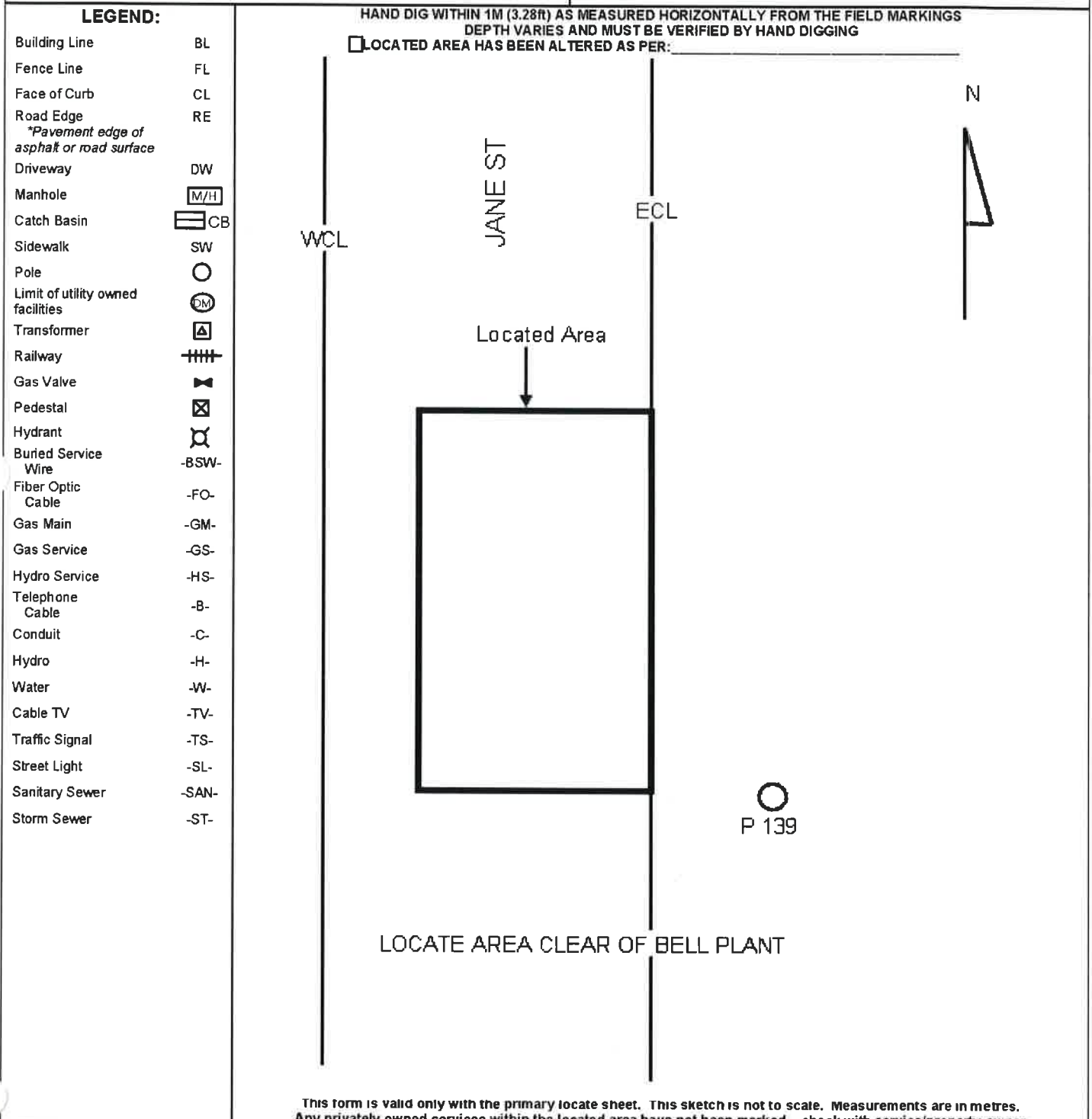
Utilities Located: Bell (BCTW01S),	Request #: 2019260291-1831110	Requested by: Wood
------------------------------------	-------------------------------	--------------------

Number of Services Marked (Specify Building Numbers):

LOCATED AREA: EXCAVATOR SHALL NOT WORK OUTSIDE THE LOCATED AREA WITHOUT OBTAINING ANOTHER LOCATE.

From POLE 139 JANE ST	To: 10.0M N OF POLE 139 JANE ST
-----------------------	---------------------------------

From ECL JANE ST	To: 5.0M E OF WCL JANE ST
------------------	---------------------------



This form is valid only with the primary locate sheet. This sketch is not to scale. Measurements are in metres.
Any privately owned services within the located area have not been marked - check with service/property owner

A Copy of this Auxiliary Locate Sheet and the Primary Locate Sheet must be on site and in the hands of the machine operator during work operations. Should sketch and markings not coincide, a new locate must be obtained.



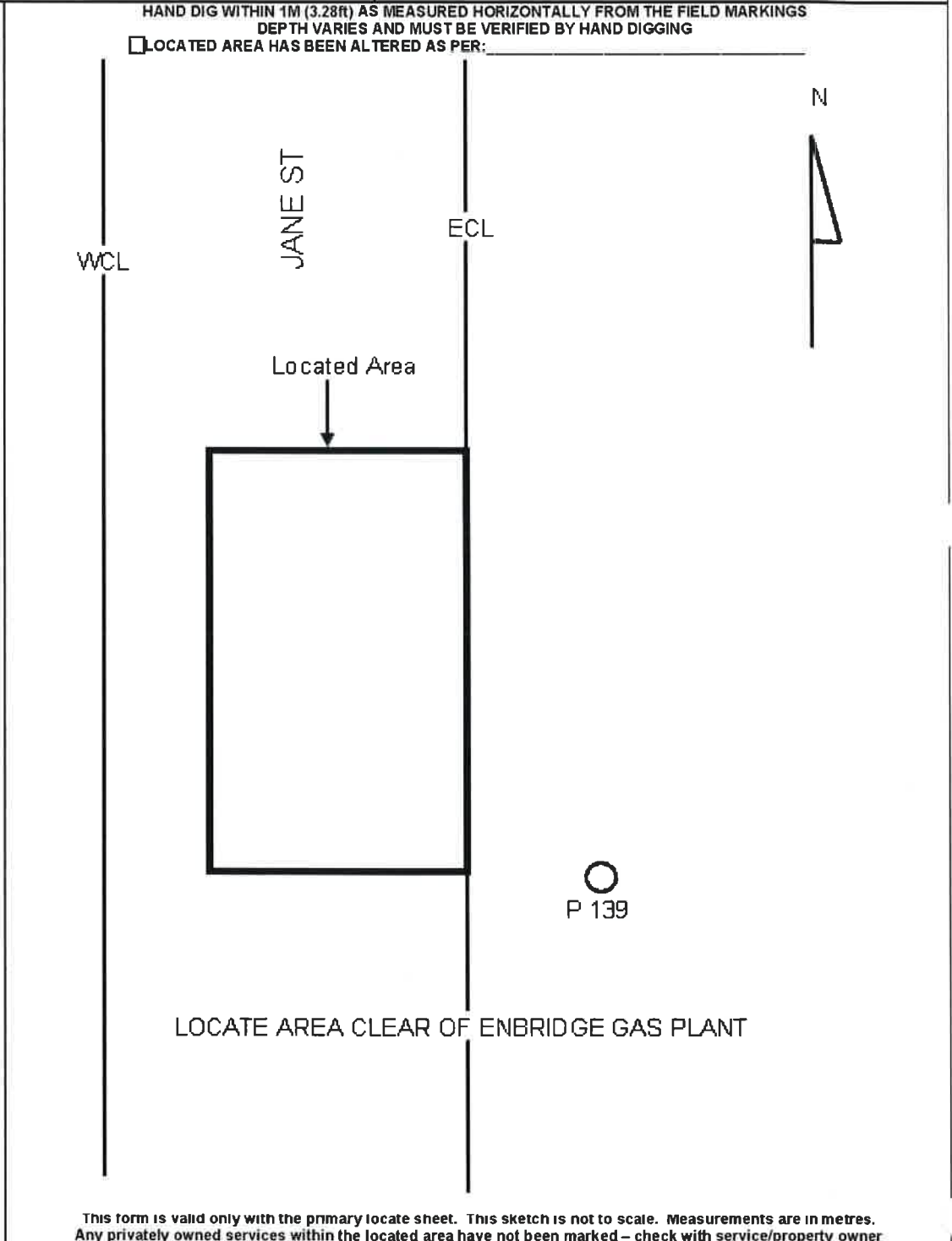
Auxiliary Locate Sheet

Phone: 905-984-5197 Toll Free: 877-558-5569 Fax: 905-984-5367

Utilities Located: Enbridge Gas (ENTW01S),	Request #: 2019260291-1831110	Requested by: Wood
Number of Services Marked (Specify Building Numbers):		
LOCATED AREA: EXCAVATOR SHALL NOT WORK OUTSIDE THE LOCATED AREA WITHOUT OBTAINING ANOTHER LOCATE.		
From: POLE 139 JANE ST	To: 10.0M N OF POLE 139 JANE ST	
From: ECL JANE ST	To: 5.0M E OF WCL JANE ST	

LEGEND:

Building Line	BL
Fence Line	FL
Face of Curb	CL
Road Edge	RE
<i>*Pavement edge of asphalt or road surface</i>	
Driveway	DW
Manhole	M/H
Catch Basin	CB
Sidewalk	SW
Pole	
Limit of utility owned facilities	DM
Transformer	
Railway	
Gas Valve	
Pedestal	
Hydrant	
Buried Service Wire	-BSW-
Fiber Optic Cable	-FO-
Gas Main	-GM-
Gas Service	-GS-
Hydro Service	-HS-
Telephone Cable	-B-
Conduit	-C-
Hydro	-H-
Water	-W-
Cable TV	-TV-
Traffic Signal	-TS-
Street Light	-SL-
Sanitary Sewer	-SAN-
Storm Sewer	-ST-



This form is valid only with the primary locate sheet. This sketch is not to scale. Measurements are in metres. Any privately owned services within the located area have not been marked – check with service/property owner

A Copy of this Auxiliary Locate Sheet and the Primary Locate Sheet must be on site and in the hands of the machine operator during work operations. Should sketch and markings not coincide, a new locate must be obtained.



Auxiliary Locate Sheet

Phone: 905-984-5197 Toll Free: 877-558-5569 Fax: 905-984-5367

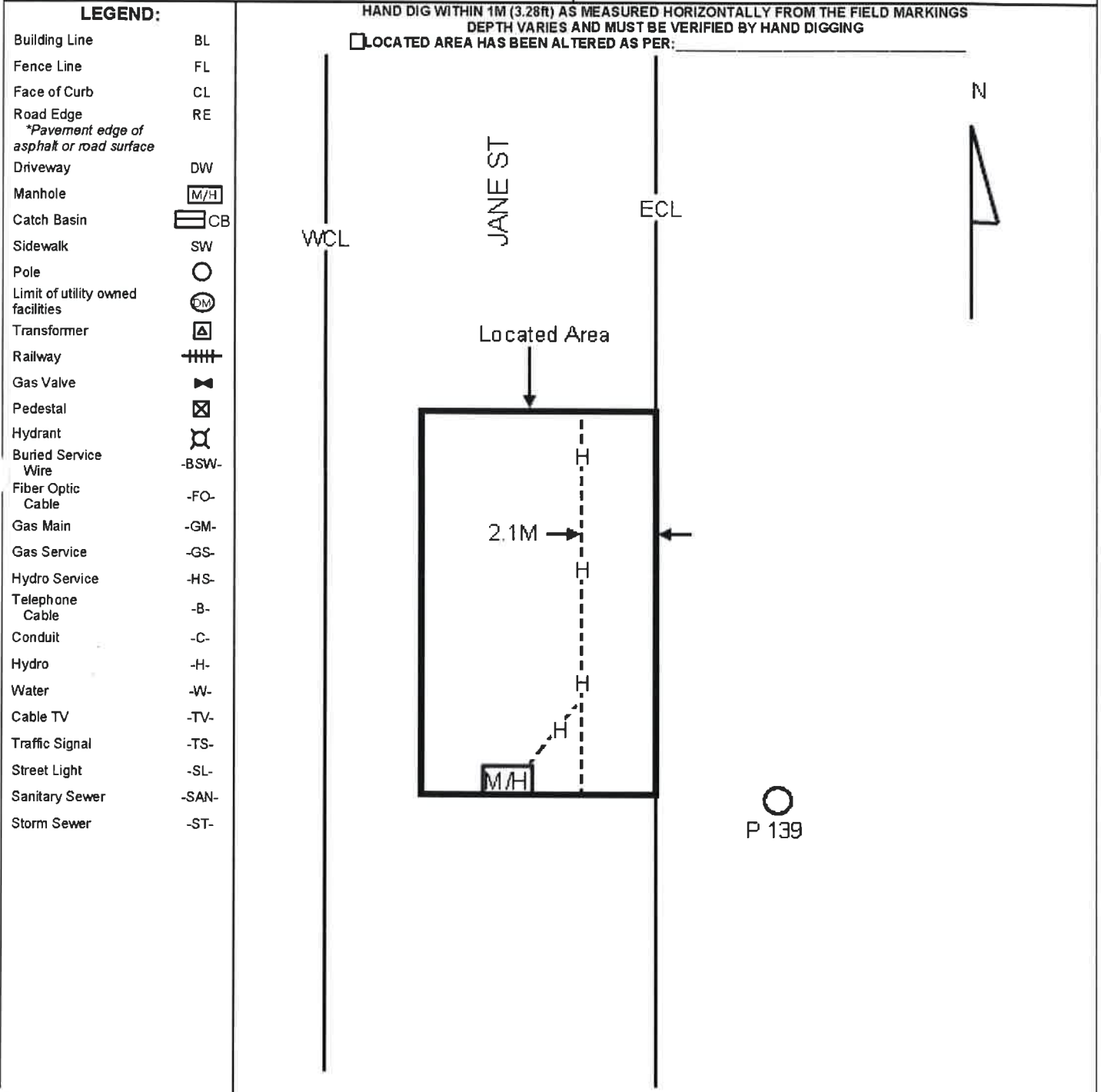
Utilities Located: Toronto Hydro (THTW01S),	Request #: 2019260291-1831110	Requested by: Wood
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Number of Services Marked (Specify Building Numbers):

LOCATED AREA: EXCAVATOR SHALL NOT WORK OUTSIDE THE LOCATED AREA WITHOUT OBTAINING ANOTHER LOCATE.

From POLE 139 JANE ST To: 10.0M N OF POLE 139 JANE ST

From ECL JANE ST To: 5.0M E OF WCL JANE ST



This form is valid only with the primary locate sheet. This sketch is not to scale. Measurements are in metres. Any privately owned services within the located area have not been marked – check with service/property owner

A Copy of this Auxiliary Locate Sheet and the Primary Locate Sheet must be on site and in the hands of the machine operator during work operations. Should sketch and markings not coincide, a new locate must be obtained.

This form revised November 2015



Auxiliary Locate Sheet

Phone: 905-984-5197 Toll Free: 877-558-5569 Fax: 905-984-5367

Utilities Located: Toronto Traffic Signal (TORTSW01),	Request #: 2019260291-1831110	Requested by: Wood
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Number of Services Marked (Specify Building Numbers):

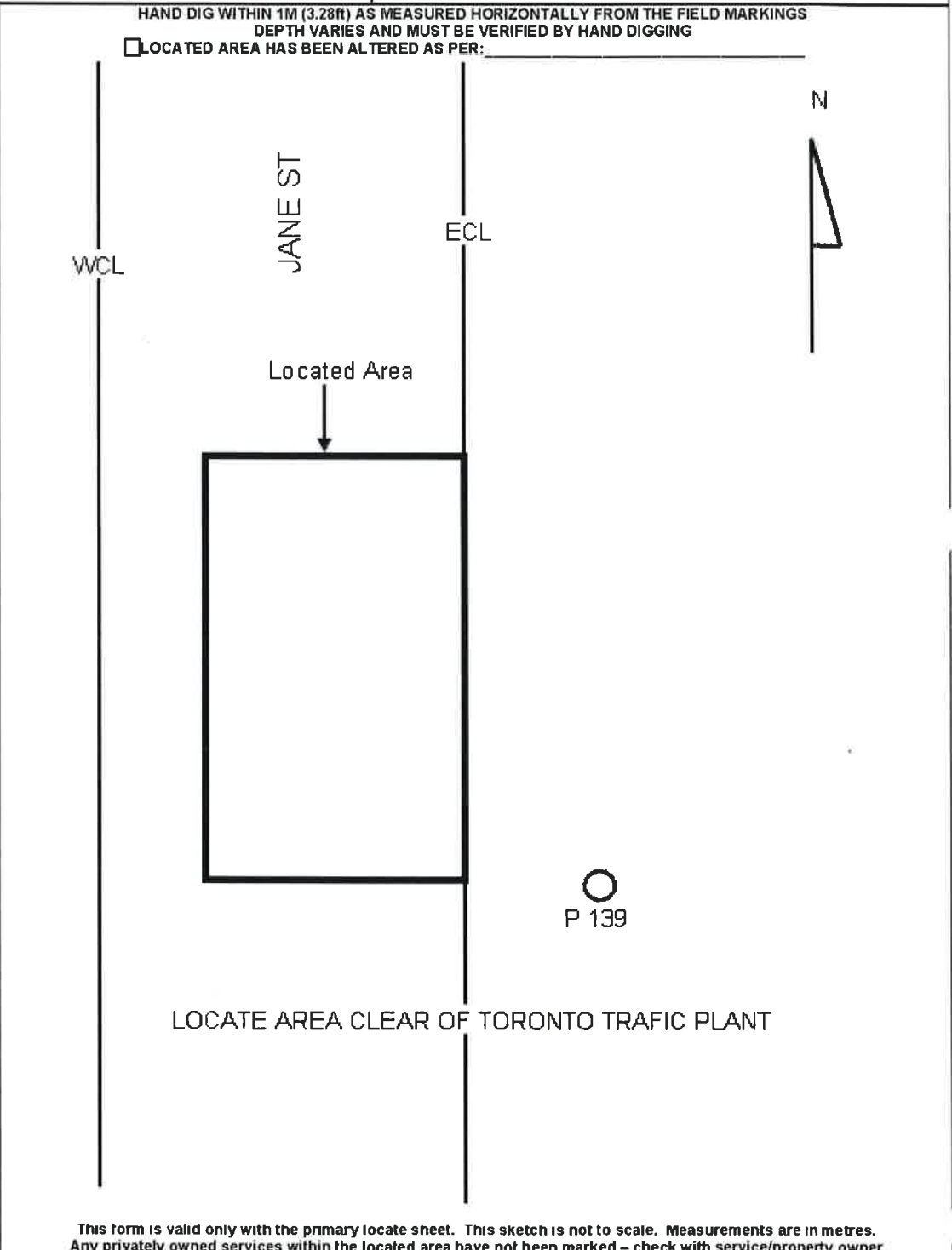
LOCATED AREA: EXCAVATOR SHALL NOT WORK OUTSIDE THE LOCATED AREA WITHOUT OBTAINING ANOTHER LOCATE.

From POLE 139 JANE ST To: 10.0M N OF POLE 139 JANE ST

From ECL JANE ST To: 5.0M E OF WCL JANE ST

LEGEND:

Building Line	BL
Fence Line	FL
Face of Curb	CL
Road Edge	RE
<i>*Pavement edge of asphalt or road surface</i>	
Driveway	DW
Manhole	M/H
Catch Basin	CB
Sidewalk	SW
Pole	
Limit of utility owned facilities	DM
Transformer	
Railway	
Gas Valve	
Pedestal	
Hydrant	
Buried Service Wire	-BSW-
Fiber Optic Cable	-FO-
Gas Main	-GM-
Gas Service	-GS-
Hydro Service	-HS-
Telephone Cable	-B-
Conduit	-C-
Hydro	-H-
Water	-W-
Cable TV	-TV-
Traffic Signal	-TS-
Street Light	-SL-
Sanitary Sewer	-SAN-
Storm Sewer	-ST-



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Auxiliary Locate Sheet

Phone: 905-984-5197 Toll Free: 877-558-5569 Fax: 905-984-5367

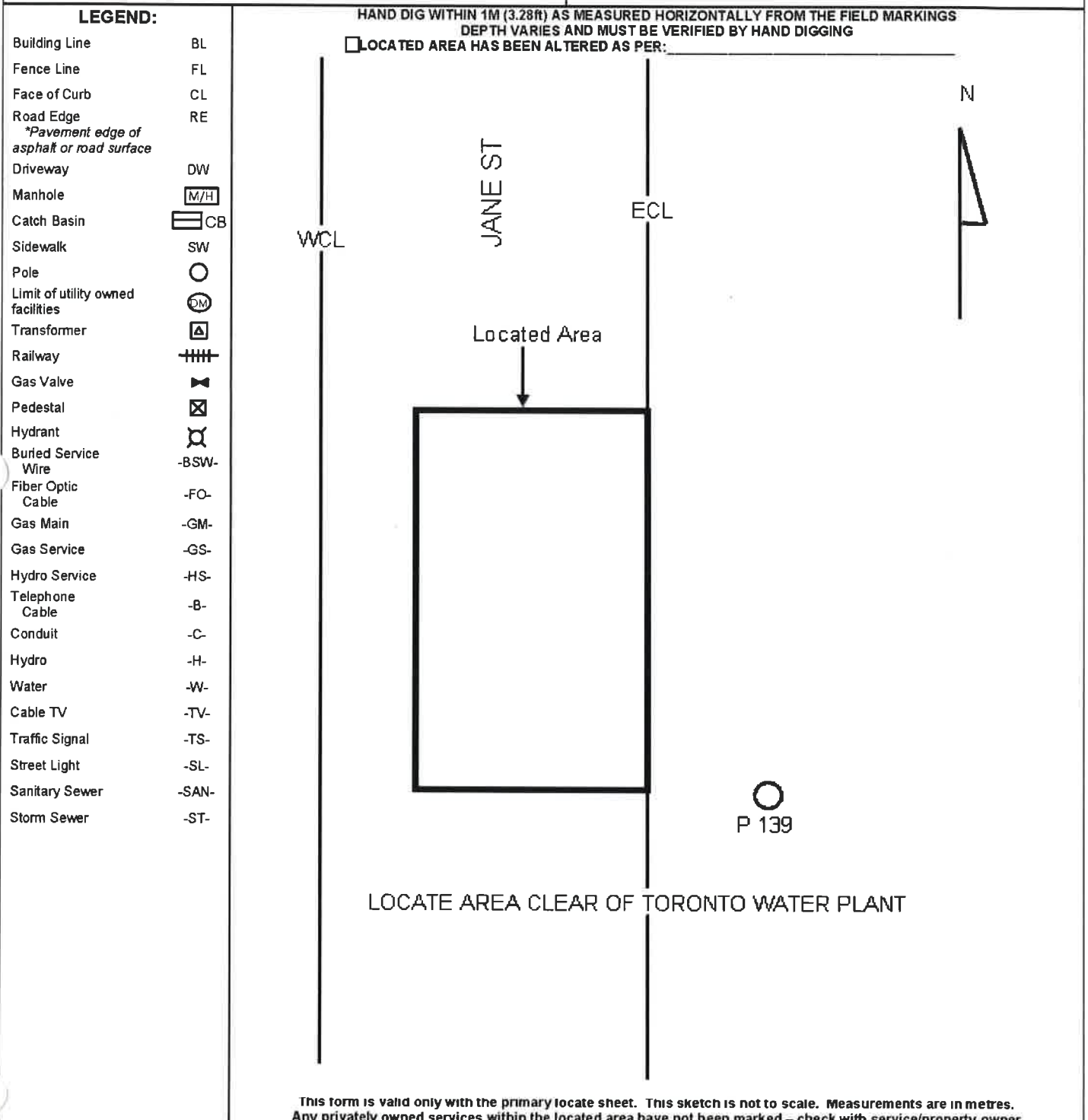
Utilities Located: Toronto Water (TORWW01),	Request #: 2019260291-1831110	Requested by: Wood
---	----------------------------------	-----------------------

Number of Services Marked (Specify Building Numbers):

LOCATED AREA: EXCAVATOR SHALL NOT WORK OUTSIDE THE LOCATED AREA WITHOUT OBTAINING ANOTHER LOCATE.

From POLE 139 JANE ST	To: 10.0M N OF POLE 139 JANE ST
-----------------------	---------------------------------

From ECL JANE ST	To: 5.0M E OF WCL JANE ST
------------------	---------------------------



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Auxiliary Locate Sheet

Phone: 905-984-5197 Toll Free: 877-558-5669 Fax: 905-984-5367

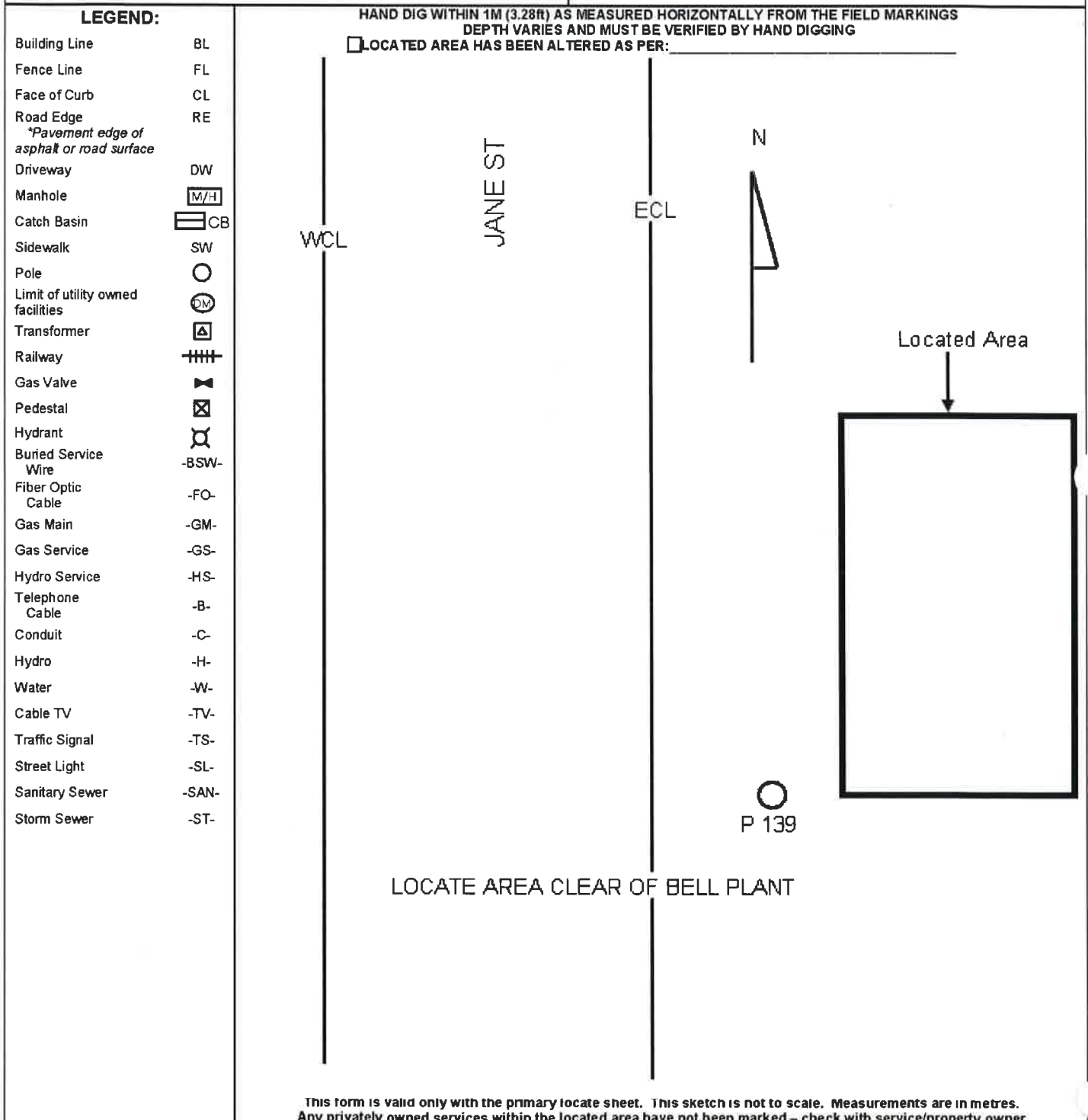
Utilities Located Bell (BCTW01S),	Request #: 2019260291-1831110	Requested by: Wood
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Number of Services Marked (Specify Building Numbers):

LOCATED AREA: EXCAVATOR SHALL NOT WORK OUTSIDE THE LOCATED AREA WITHOUT OBTAINING ANOTHER LOCATE.

From POLE 139 JANE ST	To: 10.0M N OF POLE 139 JANE ST
-----------------------	---------------------------------

From 5.0M E OF ECL JANE ST	To: 15.0M E OF ECL JANE ST
----------------------------	----------------------------



This form is valid only with the primary locate sheet. This sketch is not to scale. Measurements are in metres. Any privately owned services within the located area have not been marked – check with service/property owner

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Auxiliary Locate Sheet

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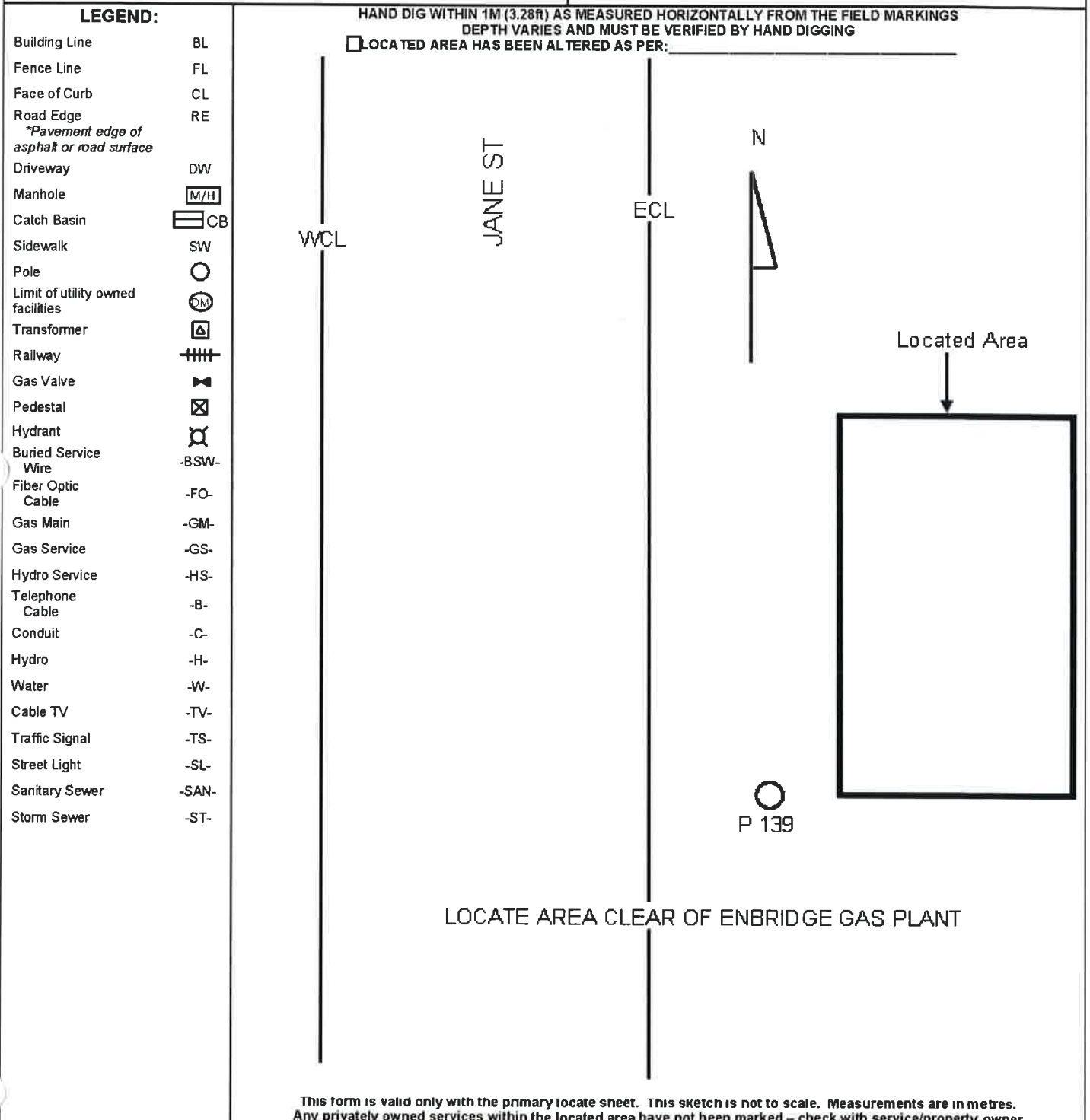
Utilities Located: Enbridge Gas (ENTW01S),	Request #: 2019260291-1831110	Requested by: Wood
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Number of Services Marked (Specify Building Numbers):

LOCATED AREA: EXCAVATOR SHALL NOT WORK OUTSIDE THE LOCATED AREA WITHOUT OBTAINING ANOTHER LOCATE.

From POLE 139 JANE ST	To: 10.0M N OF POLE 139 JANE ST
-----------------------	---------------------------------

From 5.0M E OF ECL JANE ST	To: 15.0M E OF ECL JANE ST
----------------------------	----------------------------



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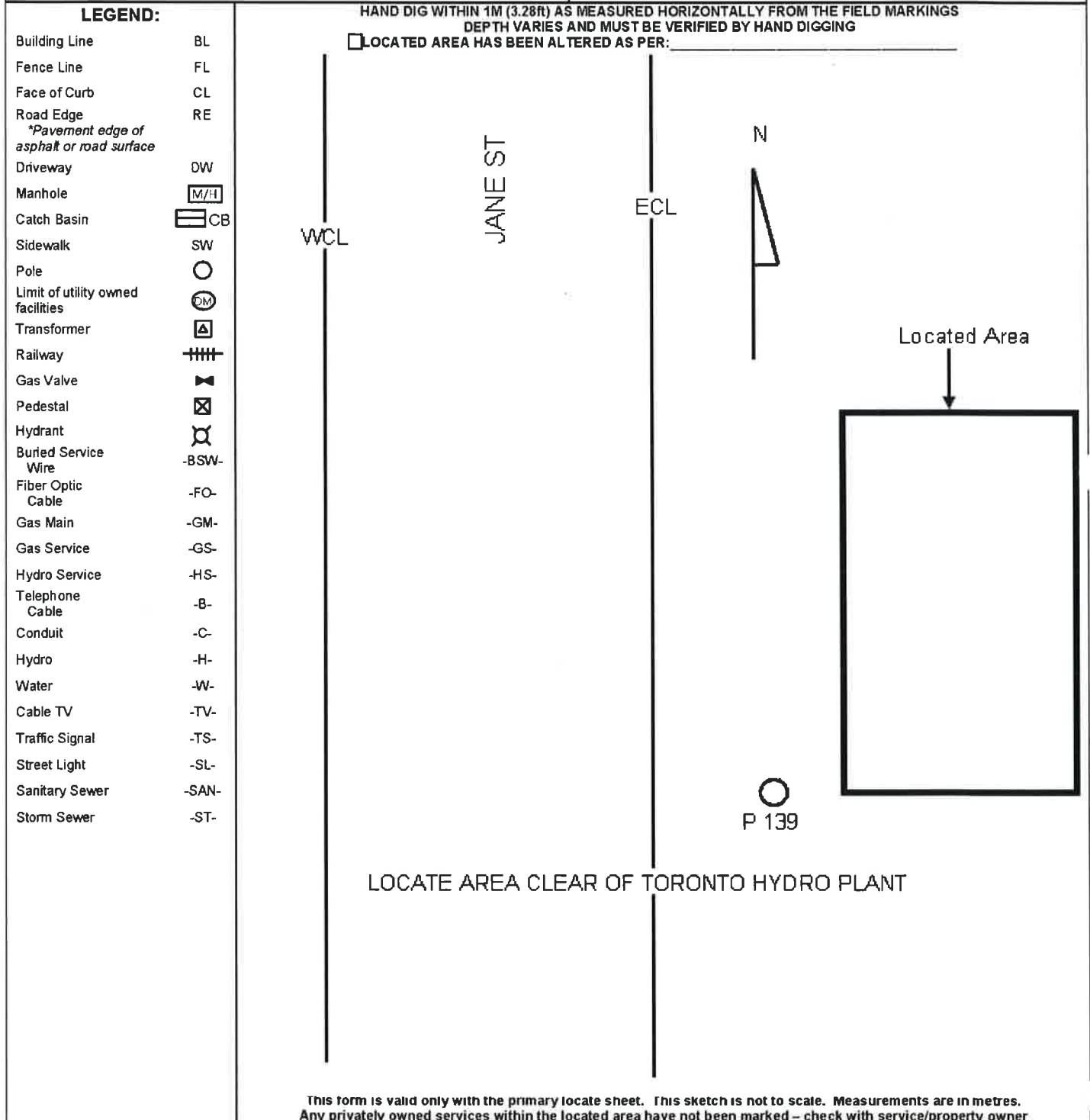
Utilities Located Toronto Hydro (THTW01S),	Request #: 2019260291-1831110	Requested by: Wood
--	----------------------------------	-----------------------

Number of Services Marked (Specify Building Numbers):

LOCATED AREA: EXCAVATOR SHALL NOT WORK OUTSIDE THE LOCATED AREA WITHOUT OBTAINING ANOTHER LOCATE.

From POLE 139 JANE ST	To: 10.0M N OF POLE 139 JANE ST
-----------------------	---------------------------------

From 5.0M E OF ECL JANE ST	To: 15.0M E OF ECL JANE ST
----------------------------	----------------------------



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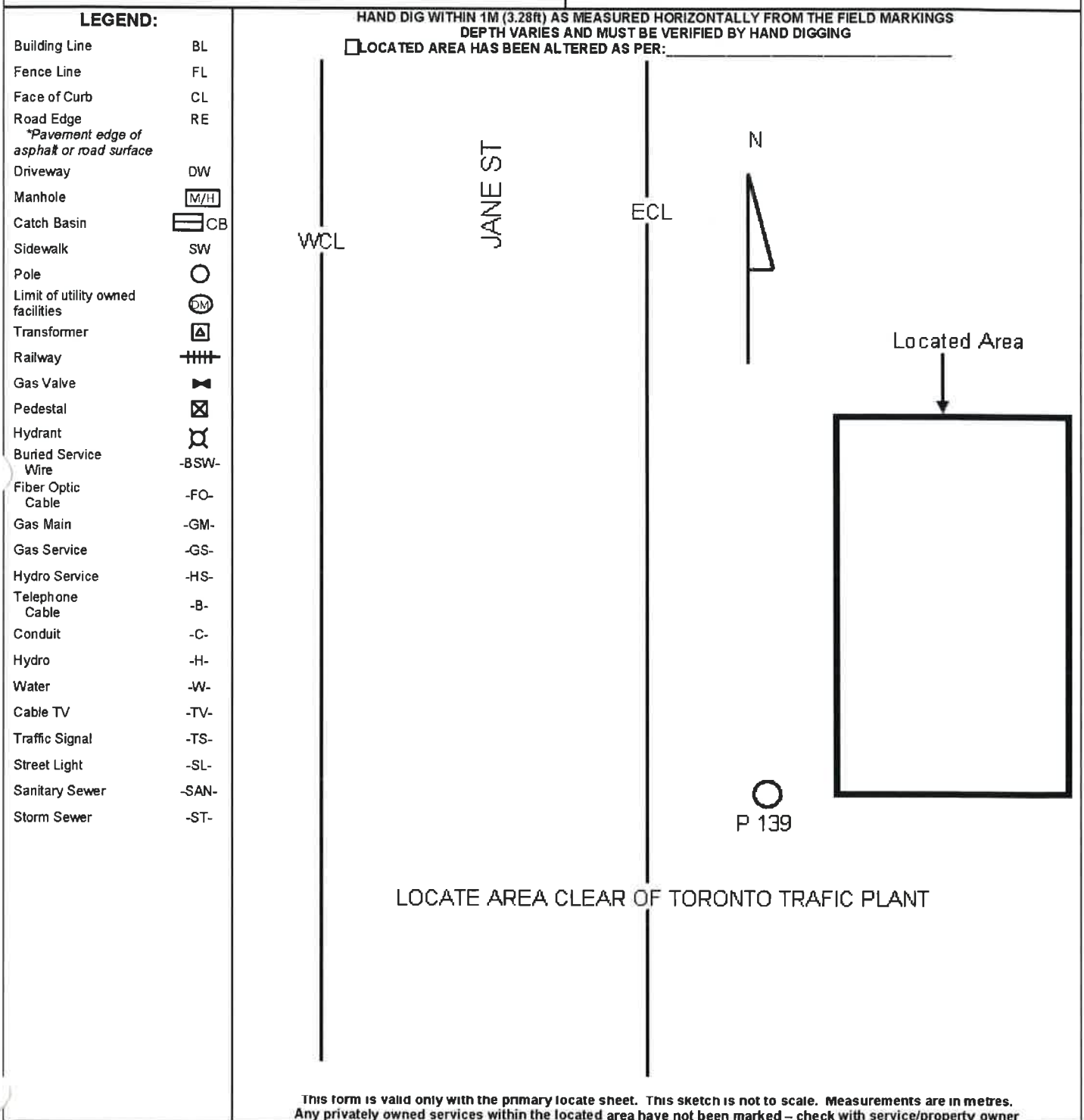
Utilities Located: Toronto Traffic Signal (TORTSW01),	Request #: 2019260291-1831110	Requested by: Wood
---	-------------------------------	--------------------

Number of Services Marked (Specify Building Numbers):

LOCATED AREA: EXCAVATOR SHALL NOT WORK OUTSIDE THE LOCATED AREA WITHOUT OBTAINING ANOTHER LOCATE.

From POLE 139 JANE ST To: 10.0M N OF POLE 139 JANE ST

From 5.0M E OF ECL JANE ST To: 15.0M E OF ECL JANE ST



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Phone: 905-984-5197 Toll Free: 877-558-5569 Fax: 905-984-5367

Utilities Located: Toronto Water (TORWW01),	Request #: 2019260291-1831110	Requested by: Wood
---	----------------------------------	-----------------------

Number of Services Marked (Specify Building Numbers):

LOCATED AREA: EXCAVATOR SHALL NOT WORK OUTSIDE THE LOCATED AREA WITHOUT OBTAINING ANOTHER LOCATE.

From POLE 139 JANE ST To: 10.0M N OF POLE 139 JANE ST

From 5.0M E OF ECL JANE ST To: 15.0M E OF ECL JANE ST

LEGEND:

Building Line	BL
Fence Line	FL
Face of Curb	CL
Road Edge	RE
*Pavement edge of asphalt or road surface	
Driveway	DW
Manhole	M/H
Catch Basin	CB
Sidewalk	SW
Pole	
Limit of utility owned facilities	DM
Transformer	
Railway	
Gas Valve	
Pedestal	
Hydrant	
Buried Service Wire	-BSW-
Fiber Optic Cable	-FO-
Gas Main	-GM-
Gas Service	-GS-
Hydro Service	-HS-
Telephone Cable	-B-
Conduit	-C-
Hydro	-H-
Water	-W-
Cable TV	-TV-
Traffic Signal	-TS-
Street Light	-SL-
Sanitary Sewer	-SAN-
Storm Sewer	-ST-

HAND DIG WITHIN 1M (3.28R) AS MEASURED HORIZONTALLY FROM THE FIELD MARKINGS
DEPTH VARIES AND MUST BE VERIFIED BY HAND DIGGING

LOCATED AREA HAS BEEN ALTERED AS PER:

LOCATE AREA CLEAR OF TORONTO WATER PLANT

This form is valid only with the primary locate sheet. This sketch is not to scale. Measurements are in metres. Any privately owned services within the located area have not been marked – check with service/property owner

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Auxiliary Locate Sheet

Phone: 905-984-5197 Toll Free: 877-558-5569 Fax: 905-984-5367

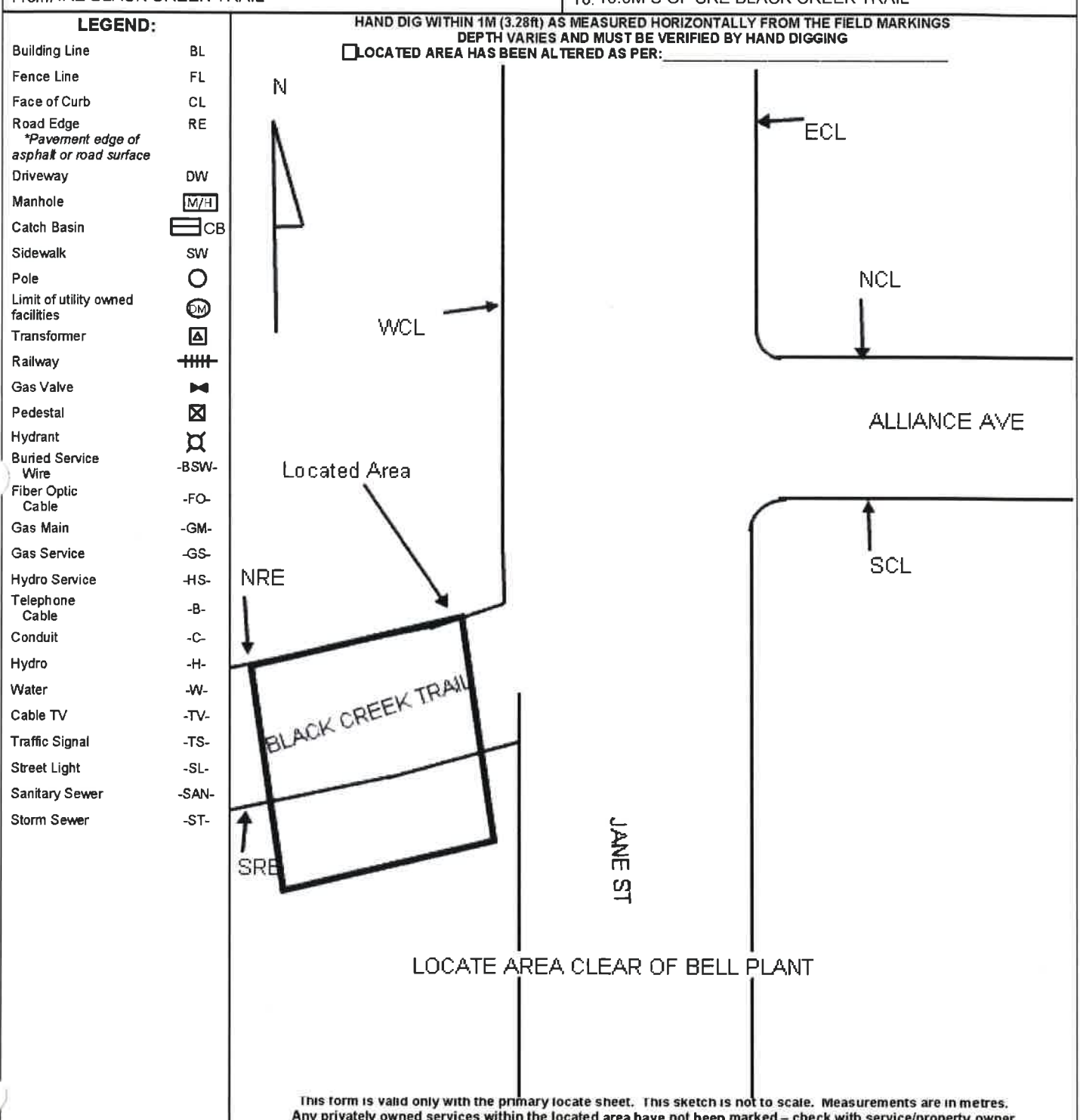
Utilities Located Bell (BCTW01S),	Request #: 2019260291-1831110	Requested by: Wood
-----------------------------------	----------------------------------	-----------------------

Number of Services Marked (Specify Building Numbers):

LOCATED AREA: EXCAVATOR SHALL NOT WORK OUTSIDE THE LOCATED AREA WITHOUT OBTAINING ANOTHER LOCATE.

From 6.0M W OF WCL JANE ST To: 20.0 M W WCL JANE ST

From NRE BLACK CREEK TRAIL To: 10.0M S OF SRE BLACK CREEK TRAIL



This form is valid only with the primary locate sheet. This sketch is not to scale. Measurements are in metres. Any privately owned services within the located area have not been marked – check with service/property owner

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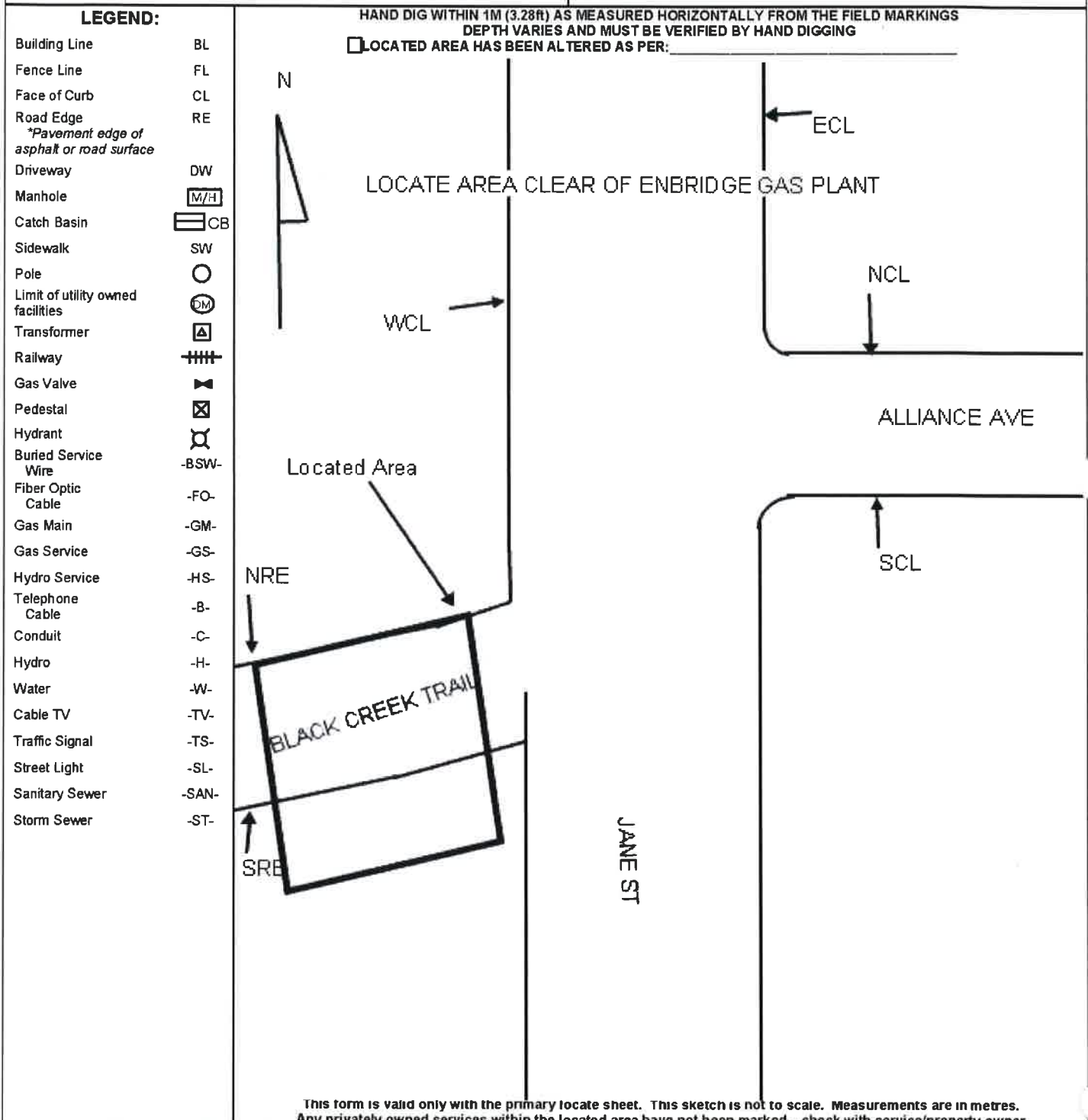
This form revised November 2015



Auxiliary Locate Sheet

Phone: 905-984-5197 Toll Free: 877-558-5569 Fax: 905-984-5367

Utilities Located: Enbridge Gas (ENTW01S),	Request #: 2019260291-1831110	Requested by: Wood
Number of Services Marked (Specify Building Numbers):		
LOCATED AREA: EXCAVATOR SHALL NOT WORK OUTSIDE THE LOCATED AREA WITHOUT OBTAINING ANOTHER LOCATE.		
From 6.0M W OF WCL JANE ST	To: 20.0 M W WCL JANE ST	
From NRE BLACK CREEK TRAIL	To: 10.0M S OF SRE BLACK CREEK TRAIL	



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This form revised November 2015



Auxiliary Locate Sheet

Phone: 905-984-5197 Toll Free: 877-558-5569 Fax: 905-984-5367

Utilities Located: Toronto Hydro (THTW01S),	Request #: 2019260291-1831110	Requested by: Wood																																																												
Number of Services Marked (Specify Building Numbers):																																																														
LOCATED AREA: EXCAVATOR SHALL NOT WORK OUTSIDE THE LOCATED AREA WITHOUT OBTAINING ANOTHER LOCATE.																																																														
From 6.0M W OF WCL JANE ST	To: 20.0 M W WCL JANE ST																																																													
From NRE BLACK CREEK TRAIL	To: 10.0M S OF SRE BLACK CREEK TRAIL																																																													
<p>LEGEND:</p> <table style="width:100%; border-collapse: collapse;"> <tr><td>Building Line</td><td>BL</td></tr> <tr><td>Fence Line</td><td>FL</td></tr> <tr><td>Face of Curb</td><td>CL</td></tr> <tr><td>Road Edge</td><td>RE</td></tr> <tr><td><i>*Pavement edge of asphalt or road surface</i></td><td></td></tr> <tr><td>Driveway</td><td>DW</td></tr> <tr><td>Manhole</td><td>M/H</td></tr> <tr><td>Catch Basin</td><td>CB</td></tr> <tr><td>Sidewalk</td><td>SW</td></tr> <tr><td>Pole</td><td>○</td></tr> <tr><td>Limit of utility owned facilities</td><td>⊙</td></tr> <tr><td>Transformer</td><td>⊠</td></tr> <tr><td>Railway</td><td>≡≡≡</td></tr> <tr><td>Gas Valve</td><td>⊕</td></tr> <tr><td>Pedestal</td><td>⊗</td></tr> <tr><td>Hydrant</td><td>⊗</td></tr> <tr><td>Buried Service Wire</td><td>-BSW-</td></tr> <tr><td>Fiber Optic Cable</td><td>-FO-</td></tr> <tr><td>Gas Main</td><td>-GM-</td></tr> <tr><td>Gas Service</td><td>-GS-</td></tr> <tr><td>Hydro Service</td><td>-HS-</td></tr> <tr><td>Telephone Cable</td><td>-B-</td></tr> <tr><td>Conduit</td><td>-C-</td></tr> <tr><td>Hydro</td><td>-H-</td></tr> <tr><td>Water</td><td>-W-</td></tr> <tr><td>Cable TV</td><td>-TV-</td></tr> <tr><td>Traffic Signal</td><td>-TS-</td></tr> <tr><td>Street Light</td><td>-SL-</td></tr> <tr><td>Sanitary Sewer</td><td>-SAN-</td></tr> <tr><td>Storm Sewer</td><td>-ST-</td></tr> </table>	Building Line	BL	Fence Line	FL	Face of Curb	CL	Road Edge	RE	<i>*Pavement edge of asphalt or road surface</i>		Driveway	DW	Manhole	M/H	Catch Basin	CB	Sidewalk	SW	Pole	○	Limit of utility owned facilities	⊙	Transformer	⊠	Railway	≡≡≡	Gas Valve	⊕	Pedestal	⊗	Hydrant	⊗	Buried Service Wire	-BSW-	Fiber Optic Cable	-FO-	Gas Main	-GM-	Gas Service	-GS-	Hydro Service	-HS-	Telephone Cable	-B-	Conduit	-C-	Hydro	-H-	Water	-W-	Cable TV	-TV-	Traffic Signal	-TS-	Street Light	-SL-	Sanitary Sewer	-SAN-	Storm Sewer	-ST-	<p style="text-align:center;">HAND DIG WITHIN 1M (3.28ft) AS MEASURED HORIZONTALLY FROM THE FIELD MARKINGS DEPTH VARIES AND MUST BE VERIFIED BY HAND DIGGING</p> <p><input type="checkbox"/> LOCATED AREA HAS BEEN ALTERED AS PER: _____</p> <p style="text-align:center;">LOCATE AREA CLEAR OF TORONTO HYDRO PLANT</p> <p style="text-align:center;">Alliance Ave</p> <p style="text-align:center;">JANE ST</p> <p style="text-align:center;">BLACK CREEK TRAIL</p>	
Building Line	BL																																																													
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Auxiliary Locate Sheet

Phone: 905-984-5197 Toll Free: 877-558-5569 Fax: 905-984-5367

Utilities Located: Toronto Traffic Signal (TORTSW01),	Request #: 2019260291-1831110	Requested by: Wood
Number of Services Marked (Specify Building Numbers):		
LOCATED AREA: EXCAVATOR SHALL NOT WORK OUTSIDE THE LOCATED AREA WITHOUT OBTAINING ANOTHER LOCATE.		
From 6.0M W OF WCL JANE ST	To: 20.0 M W WCL JANE ST	
From NRE BLACK CREEK TRAIL	To: 10.0M S OF SRE BLACK CREEK TRAIL	
LEGEND: Building Line BL Fence Line FL Face of Curb CL Road Edge RE <i>*Pavement edge of asphalt or road surface</i> Driveway DW Manhole M/H Catch Basin CB Sidewalk SW Pole Limit of utility owned facilities DM Transformer Railway Gas Valve Pedestal Hydrant Buried Service Wire -BSW- Fiber Optic Cable -FO- Gas Main -GM- Gas Service -GS- Hydro Service -HS- Telephone Cable -B- Conduit -C- Hydro -H- Water -W- Cable TV -TV- Traffic Signal -TS- Street Light -SL- Sanitary Sewer -SAN- Storm Sewer -ST-	<p style="text-align: center;"> HAND DIG WITHIN 1M (3.28ft) AS MEASURED HORIZONTALLY FROM THE FIELD MARKINGS DEPTH VARIES AND MUST BE VERIFIED BY HAND DIGGING </p> <p> <input type="checkbox"/> LOCATED AREA HAS BEEN ALTERED AS PER: _____ </p>	
This form is valid only with the primary locate sheet. This sketch is not to scale. Measurements are in metres. Any privately owned services within the located area have not been marked – check with service/property owner		
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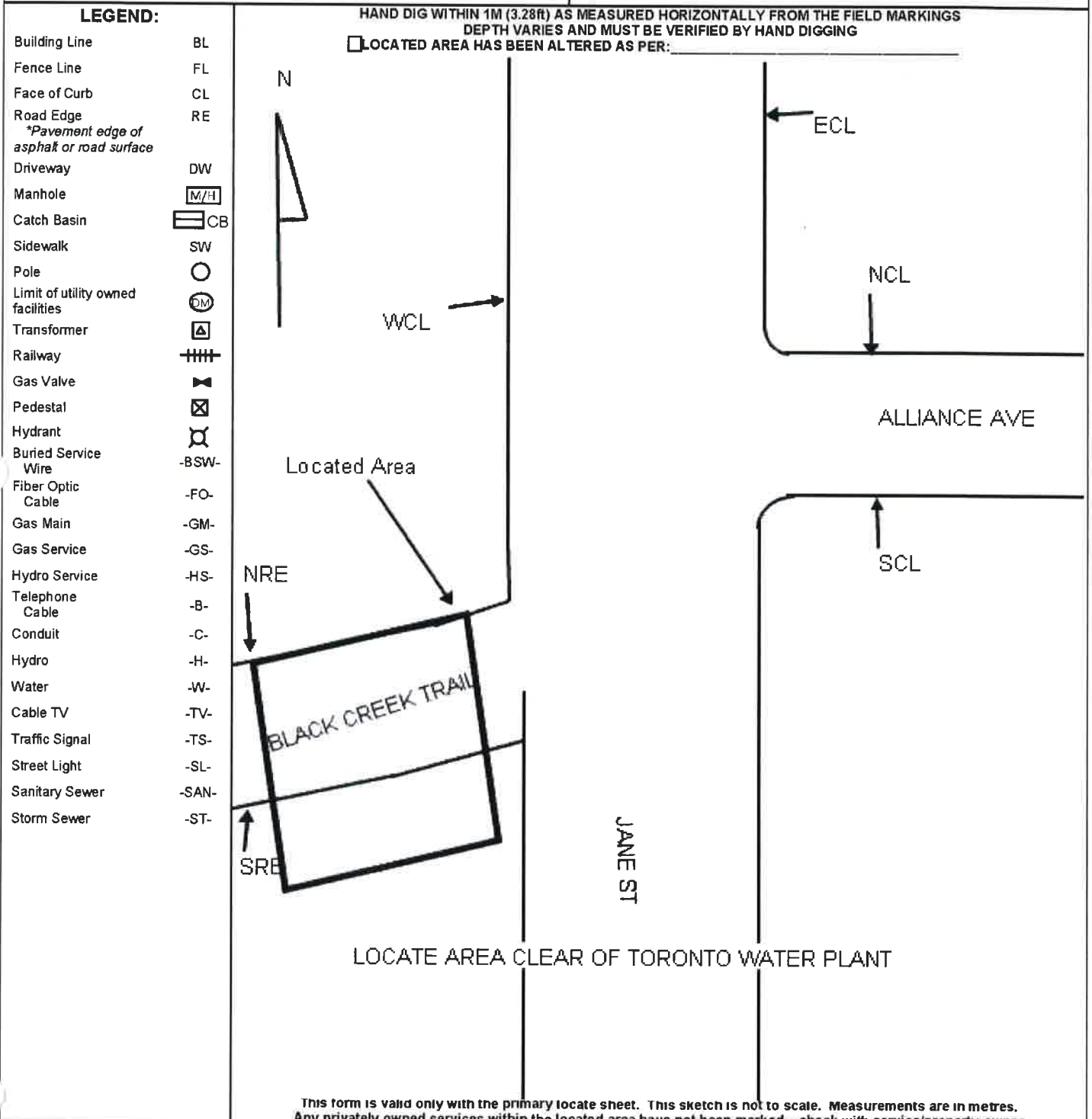
Utilities Located: Toronto Water (TORWW01),	Request #: 2019260291-1831110	Requested by: Wood
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Number of Services Marked (Specify Building Numbers):

LOCATED AREA: EXCAVATOR SHALL NOT WORK OUTSIDE THE LOCATED AREA WITHOUT OBTAINING ANOTHER LOCATE.

From: 6.0M W OF WCL JANE ST	To: 20.0 M W WCL JANE ST
-----------------------------	--------------------------

From: NRE BLACK CREEK TRAIL	To: 10.0M S OF SRE BLACK CREEK TRAIL
-----------------------------	--------------------------------------



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Auxiliary Locate Sheet

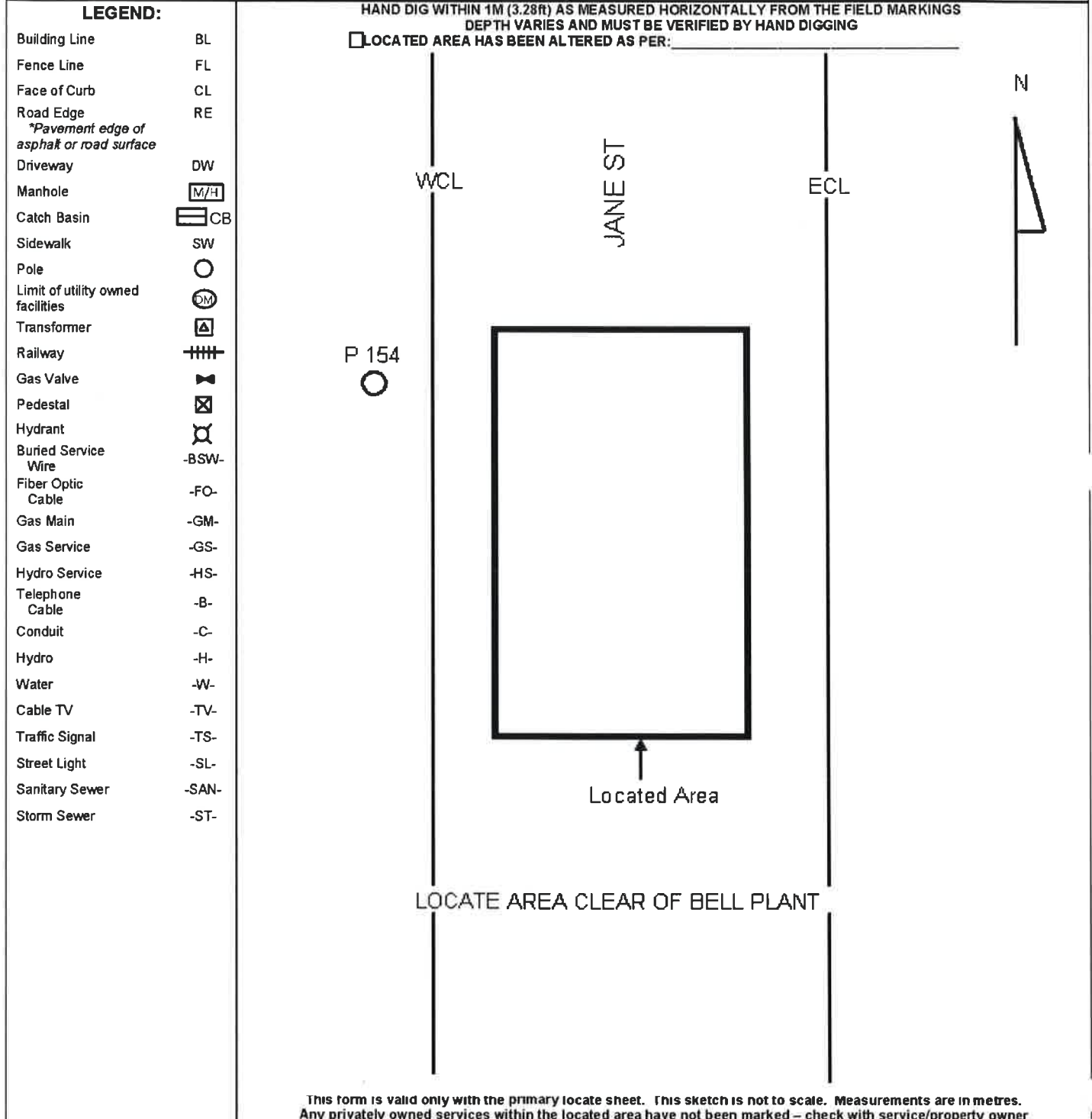
Phone: 905-984-5197 Toll Free: 877-558-5569 Fax: 905-984-5367

Utilities Located: Bell (BCTW01S),	Request #: 2019260291-1831110	Requested by: Wood
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Number of Services Marked (Specify Building Numbers):

LOCATED AREA: EXCAVATOR SHALL NOT WORK OUTSIDE THE LOCATED AREA WITHOUT OBTAINING ANOTHER LOCATE.

From: 3.0M E OF WCL JANE ST	To: 5.0M W OF ECL JANE ST
From: 1.0M N OF POLE 154 JANE ST	To: 10.0M S OF POLE 154 JANE ST



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Utilities Located: Enbridge Gas (ENTW01S),	Request #: 2019260291-1831110	Requested by: Wood
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Number of Services Marked (Specify Building Numbers):

LOCATED AREA: EXCAVATOR SHALL NOT WORK OUTSIDE THE LOCATED AREA WITHOUT OBTAINING ANOTHER LOCATE.

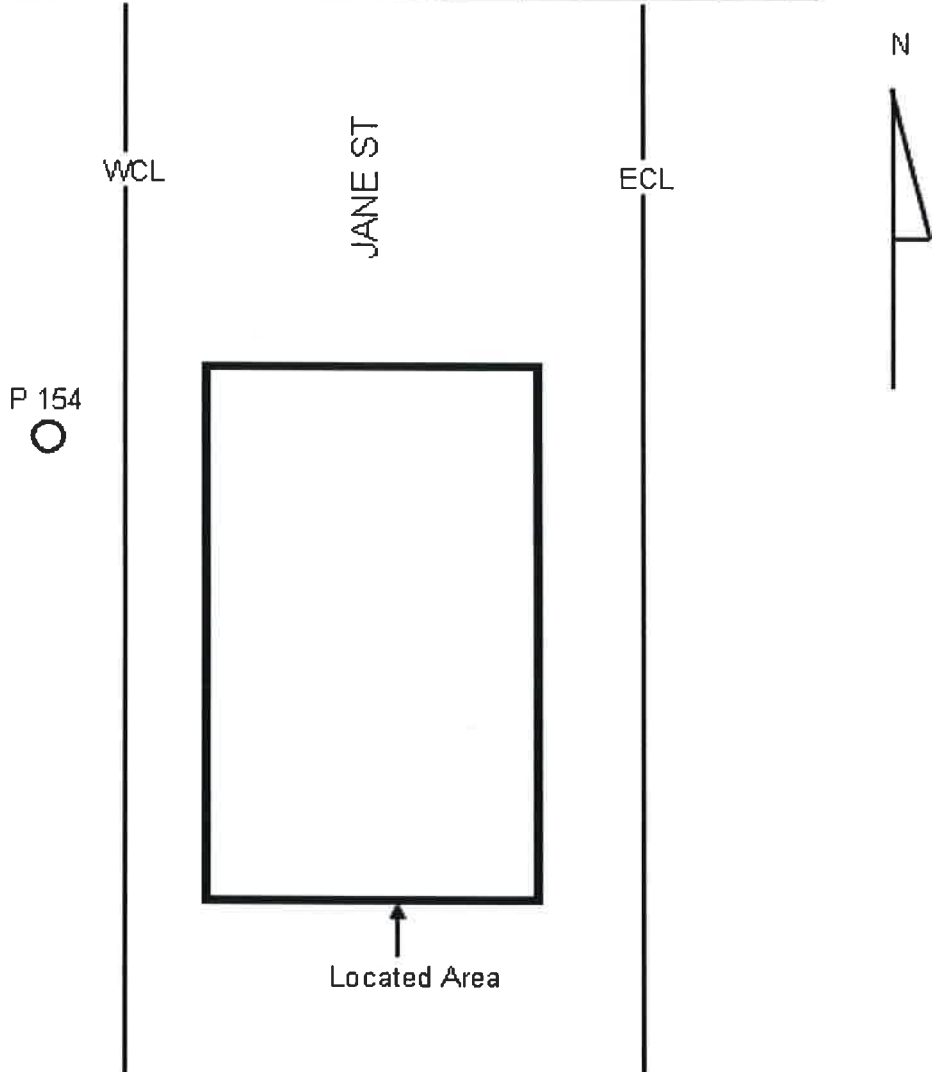
From: 3.0M E OF WCL JANE ST To: 5.0M W OF ECL JANE ST

From: 1.0M N OF POLE 154 JANE ST To: 10.0M S OF POLE 154 JANE ST

LEGEND:

Building Line	BL
Fence Line	FL
Face of Curb	CL
Road Edge	RE
<i>"Pavement edge of asphalt or road surface"</i>	
Driveway	DW
Manhole	M/H
Catch Basin	CB
Sidewalk	SW
Pole	
Limit of utility owned facilities	DM
Transformer	
Railway	
Gas Valve	
Pedestal	
Hydrant	
Buried Service Wire	-BSW-
Fiber Optic Cable	-FO-
Gas Main	-GM-
Gas Service	-GS-
Hydro Service	-HS-
Telephone Cable	-B-
Conduit	-C-
Hydro	-H-
Water	-W-
Cable TV	-TV-
Traffic Signal	-TS-
Street Light	-SL-
Sanitary Sewer	-SAN-
Storm Sewer	-ST-

HAND DIG WITHIN 1M (3.28R) AS MEASURED HORIZONTALLY FROM THE FIELD MARKINGS
DEPTH VARIES AND MUST BE VERIFIED BY HAND DIGGING
 LOCATED AREA HAS BEEN ALTERED AS PER:



LOCATE AREA CLEAR OF ENBRIDGE GAS PLANT

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Utilities Located: Toronto Hydro (THTW01S),	Request #: 2019260291-1831110	Requested by: Wood
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Number of Services Marked (Specify Building Numbers):

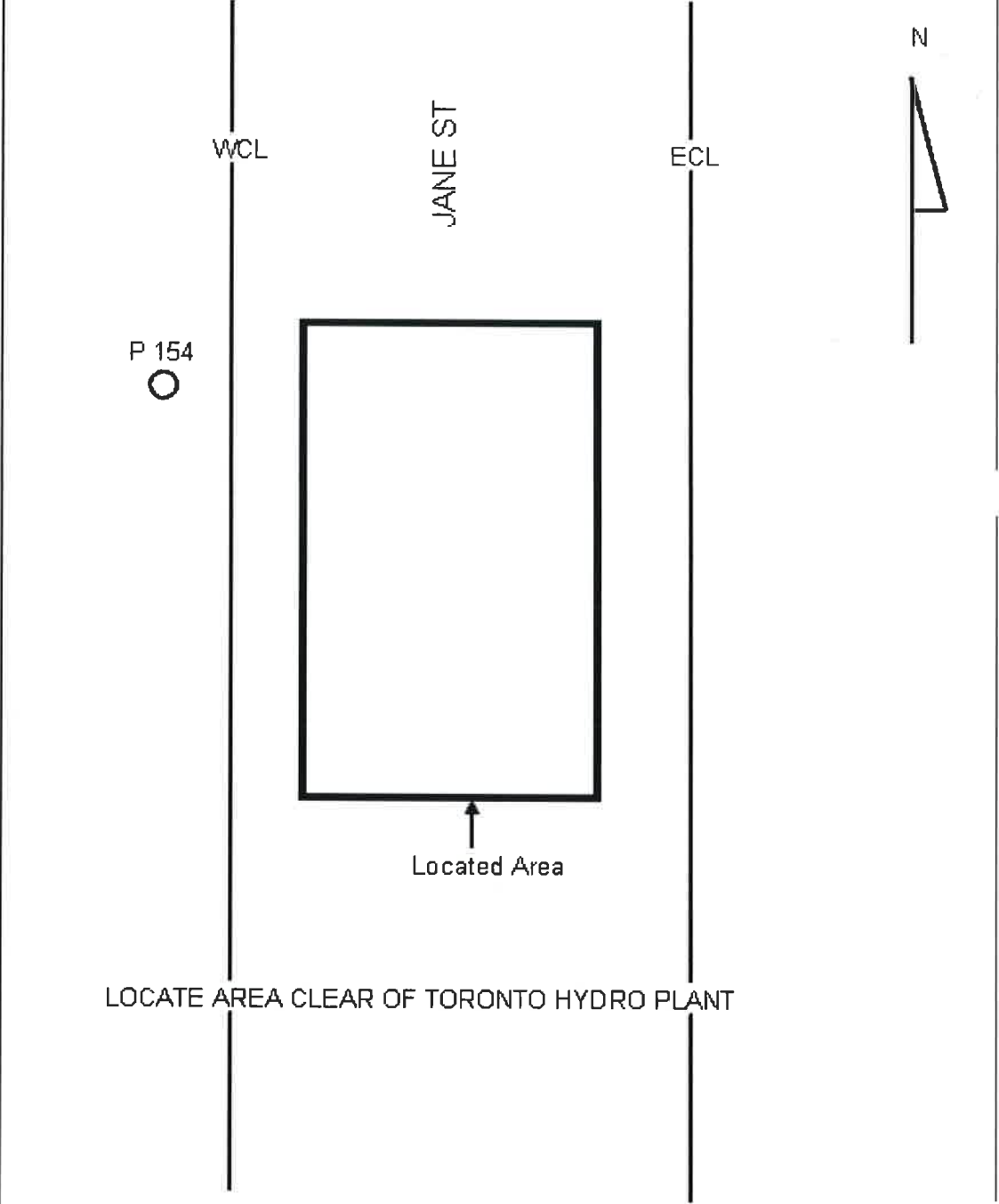
LOCATED AREA: EXCAVATOR SHALL NOT WORK OUTSIDE THE LOCATED AREA WITHOUT OBTAINING ANOTHER LOCATE.

From 3.0M E OF WCL JANE ST	To: 5.0M W OF ECL JANE ST
From 1.0M N OF POLE 154 JANE ST	To: 10.0M S OF POLE 154 JANE ST

LEGEND:

- Building Line BL
- Fence Line FL
- Face of Curb CL
- Road Edge RE
- *Pavement edge of asphalt or road surface*
- Driveway DW
- Manhole M/H
- Catch Basin CB
- Sidewalk SW
- Pole
- Limit of utility owned facilities DM
- Transformer
- Railway
- Gas Valve
- Pedestal
- Hydrant
- Buried Service Wire -BSW-
- Fiber Optic Cable -FO-
- Gas Main -GM-
- Gas Service -GS-
- Hydro Service -HS-
- Telephone Cable -B-
- Conduit -C-
- Hydro -H-
- Water -W-
- Cable TV -TV-
- Traffic Signal -TS-
- Street Light -SL-
- Sanitary Sewer -SAN-
- Storm Sewer -ST-

HAND DIG WITHIN 1M (3.28ft) AS MEASURED HORIZONTALLY FROM THE FIELD MARKINGS
DEPTH VARIES AND MUST BE VERIFIED BY HAND DIGGING
 LOCATED AREA HAS BEEN ALTERED AS PER:



This form is valid only with the primary locate sheet. This sketch is not to scale. Measurements are in metres. Any privately owned services within the located area have not been marked - check with service/property owner

A Copy of this Auxiliary Locate Sheet and the Primary Locate Sheet must be on site and in the hands of the machine operator during work operations. Should sketch and markings not coincide, a new locate must be obtained.



Auxiliary Locate Sheet

Phone: 905-984-5197 Toll Free: 877-558-5569 Fax: 905-984-5367

Utilities Located: Toronto Traffic Signal (TORTSW01),	Request #: 2019260291-1831110	Requested by: Wood
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Number of Services Marked (Specify Building Numbers):

LOCATED AREA: EXCAVATOR SHALL NOT WORK OUTSIDE THE LOCATED AREA WITHOUT OBTAINING ANOTHER LOCATE.

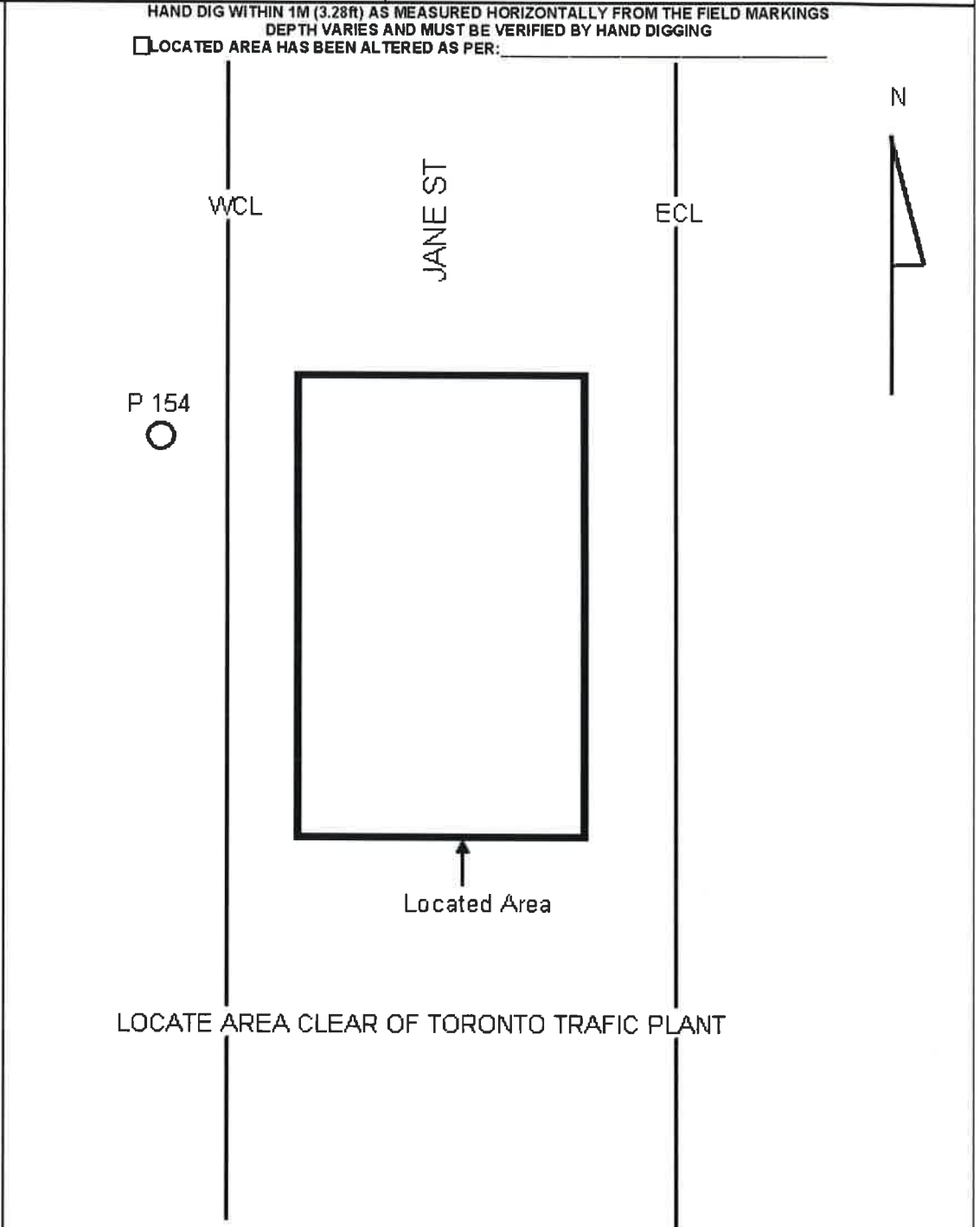
From: 3.0M E OF WCL JANE ST To: 5.0M W OF ECL JANE ST

From: 1.0M N OF POLE 154 JANE ST To: 10.0M S OF POLE 154 JANE ST

LEGEND:

- Building Line BL
- Fence Line FL
- Face of Curb CL
- Road Edge RE
- *Pavement edge of asphalt or road surface*
- Driveway DW
- Manhole M/H
- Catch Basin CB
- Sidewalk SW
- Pole
- Limit of utility owned facilities
- Transformer
- Railway
- Gas Valve
- Pedestal
- Hydrant
- Buried Service Wire -BSW-
- Fiber Optic Cable -FO-
- Gas Main -GM-
- Gas Service -GS-
- Hydro Service -HS-
- Telephone Cable -B-
- Conduit -C-
- Hydro -H-
- Water -W-
- Cable TV -TV-
- Traffic Signal -TS-
- Street Light -SL-
- Sanitary Sewer -SAN-
- Storm Sewer -ST-

HAND DIG WITHIN 1M (3.28ft) AS MEASURED HORIZONTALLY FROM THE FIELD MARKINGS
DEPTH VARIES AND MUST BE VERIFIED BY HAND DIGGING
 LOCATED AREA HAS BEEN ALTERED AS PER:



This form is valid only with the primary locate sheet. This sketch is not to scale. Measurements are in metres. Any privately owned services within the located area have not been marked – check with service/property owner

A Copy of this Auxiliary Locate Sheet and the Primary Locate Sheet must be on site and in the hands of the machine operator during work operations. Should sketch and markings not coincide, a new locate must be obtained.

This form revised November 2015



Auxiliary Locate Sheet

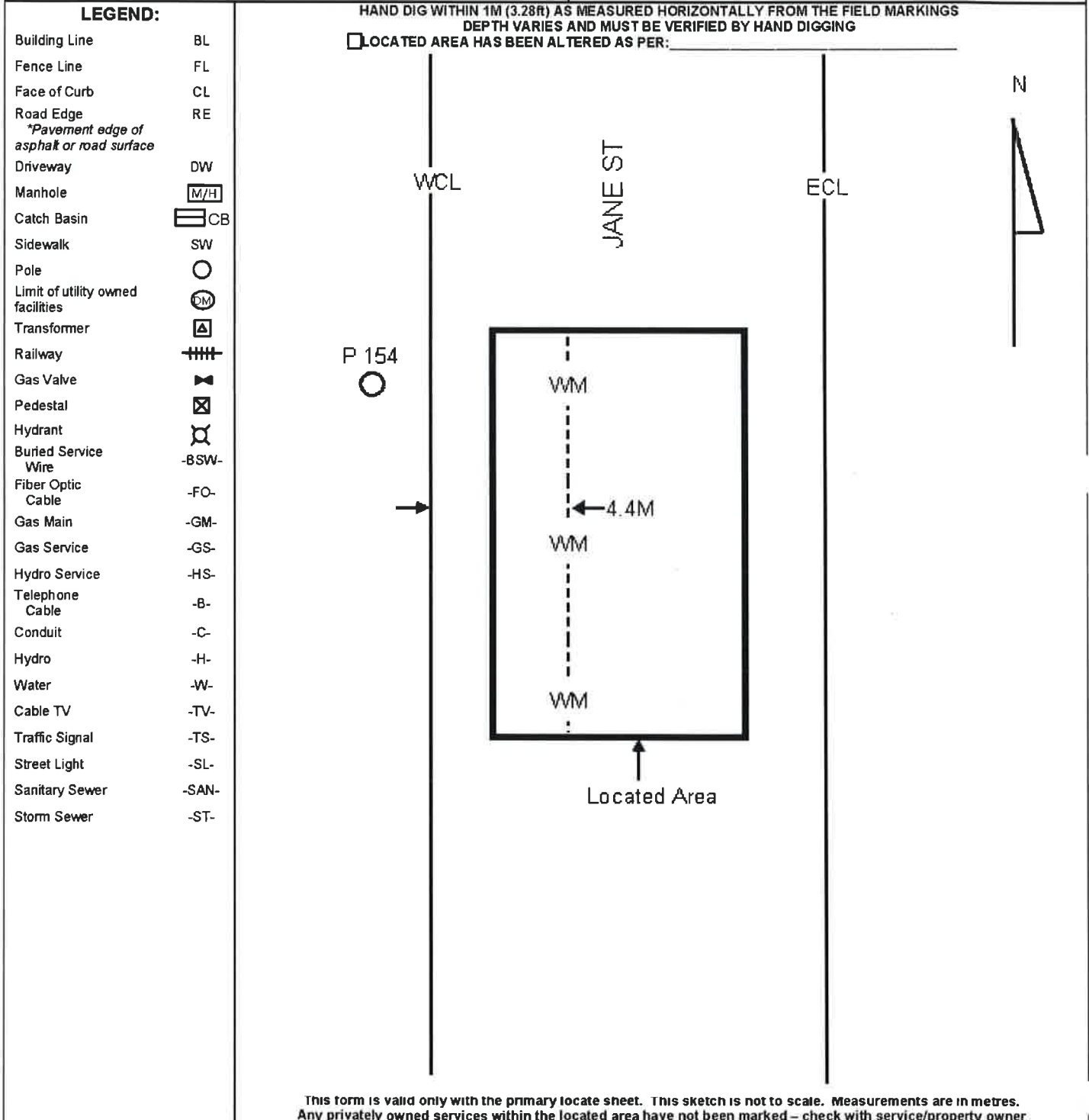
Phone: 905-984-5197 Toll Free: 877-558-5569 Fax: 905-984-5367

Utilities Located: Toronto Water (TORWW01),	Request #: 2019260291-1831110	Requested by: Wood
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Number of Services Marked (Specify Building Numbers):

LOCATED AREA: EXCAVATOR SHALL NOT WORK OUTSIDE THE LOCATED AREA WITHOUT OBTAINING ANOTHER LOCATE.

From: 3.0M E OF WCL JANE ST	To: 5.0M W OF ECL JANE ST
From: 1.0M N OF POLE 154 JANE ST	To: 10.0M S OF POLE 154 JANE ST



This form is valid only with the primary locate sheet. This sketch is not to scale. Measurements are in metres. Any privately owned services within the located area have not been marked – check with service/property owner

A Copy of this Auxiliary Locate Sheet and the Primary Locate Sheet must be on site and in the hands of the machine operator during work operations. Should sketch and markings not coincide, a new locate must be obtained.



Auxiliary Locate Sheet

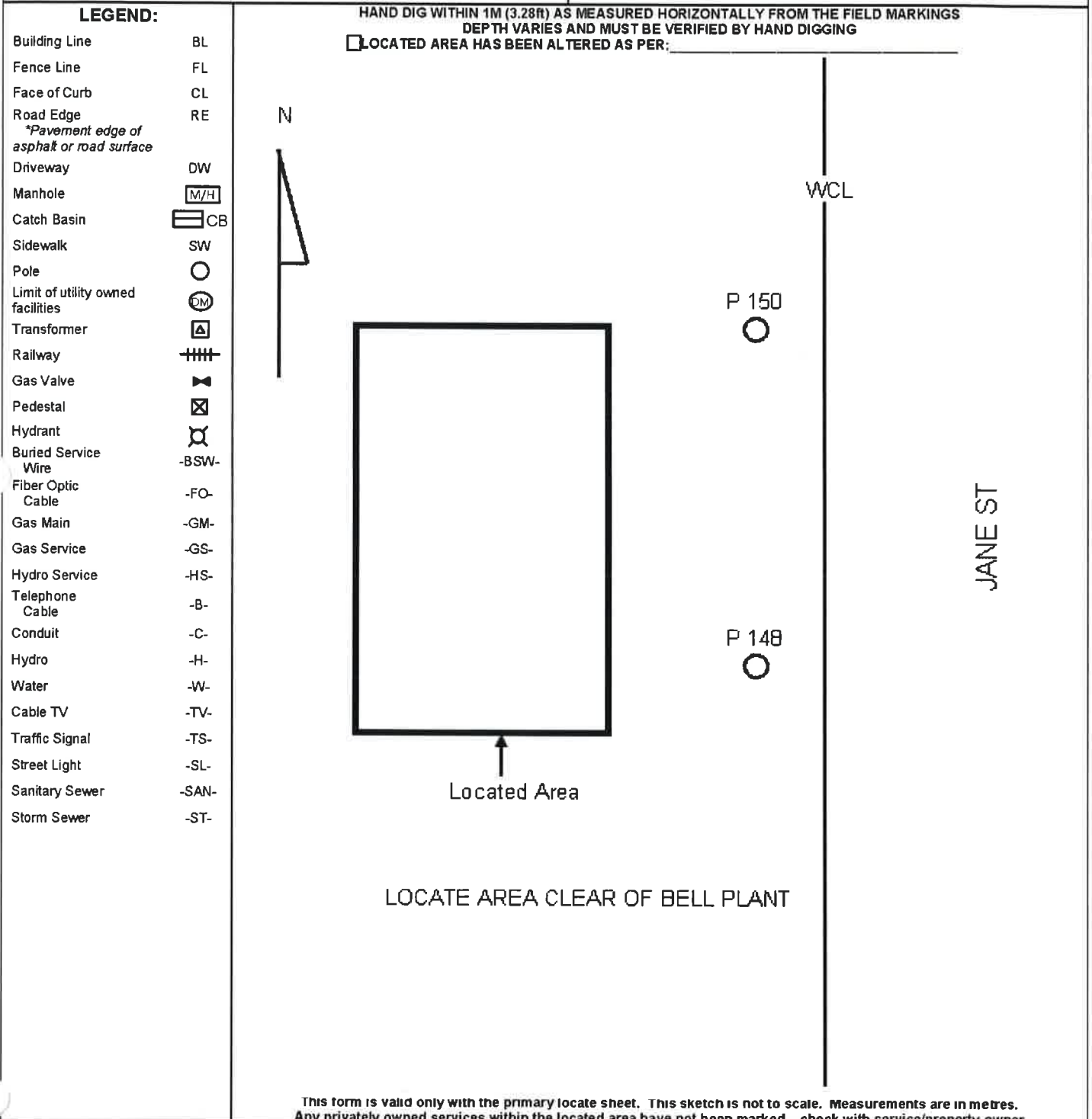
Phone: 905-984-5197 Toll Free: 877-558-5569 Fax: 905-984-5367

Utilities Located: Bell (BCTW01S),	Request #: 2019260291-1831110	Requested by: Wood
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Number of Services Marked (Specify Building Numbers):

LOCATED AREA: EXCAVATOR SHALL NOT WORK OUTSIDE THE LOCATED AREA WITHOUT OBTAINING ANOTHER LOCATE.

From: 10.0M S OF POLE 148 JANE ST	To: POLE 150 JANE ST
From: 10.0M W OF WCL JANE ST	To: 30.0M W OF WCL JANE ST



This form is valid only with the primary locate sheet. This sketch is not to scale. Measurements are in metres.
Any privately owned services within the located area have not been marked – check with service/property owner

A Copy of this Auxiliary Locate Sheet and the Primary Locate Sheet must be on site and in the hands of the machine operator during work operations. Should sketch and markings not coincide, a new locate must be obtained.



Auxiliary Locate Sheet

Phone: 905-984-5197 Toll Free: 877-558-5569 Fax: 905-984-5367

Utilities Located: Enbridge Gas (ENTW01S),	Request #: 2019260291-1831110	Requested by: Wood
Number of Services Marked (Specify Building Numbers):		
LOCATED AREA: EXCAVATOR SHALL NOT WORK OUTSIDE THE LOCATED AREA WITHOUT OBTAINING ANOTHER LOCATE.		
From: 10.0M S OF POLE 148 JANE ST	To: POLE 150 JANE ST	
From: 10.0M W OF WCL JANE ST	To: 30.0M W OF WCL JANE ST	
<p>LEGEND:</p> <ul style="list-style-type: none"> Building Line BL Fence Line FL Face of Curb CL Road Edge RE *Pavement edge of asphalt or road surface Driveway DW Manhole M/H Catch Basin CB Sidewalk SW Pole ○ Limit of utility owned facilities DM Transformer Railway Gas Valve Pedestal Hydrant Buried Service Wire -BSW- Fiber Optic Cable -FO- Gas Main -GM- Gas Service -GS- Hydro Service -HS- Telephone Cable -B- Conduit -C- Hydro -H- Water -W- Cable TV -TV- Traffic Signal -TS- Street Light -SL- Sanitary Sewer -SAN- Storm Sewer -ST- 	<p style="text-align: center;">HAND DIG WITHIN 1M (3.28ft) AS MEASURED HORIZONTALLY FROM THE FIELD MARKINGS DEPTH VARIES AND MUST BE VERIFIED BY HAND DIGGING</p> <p><input type="checkbox"/> LOCATED AREA HAS BEEN ALTERED AS PER: _____</p> <div style="text-align: center;"> </div> <p style="text-align: center;">Located Area</p> <p style="text-align: center;">LOCATE AREA CLEAR OF ENBRIDGE GAS PLANT</p>	
<p><small>This form is valid only with the primary locate sheet. This sketch is not to scale. Measurements are in metres. Any privately owned services within the located area have not been marked – check with service/property owner</small></p>		
<p>A Copy of this Auxiliary Locate Sheet and the Primary Locate Sheet must be on site and in the hands of the machine operator during work operations. Should sketch and markings not coincide, a new locate must be obtained.</p>		



Auxiliary Locate Sheet

Phone: 905-984-5197 Toll Free: 877-558-5569 Fax: 905-984-5367

Utilities Located: Toronto Hydro (THTW01S),	Request #: 2019260291-1831110	Requested by: Wood
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Number of Services Marked (Specify Building Numbers):

LOCATED AREA: EXCAVATOR SHALL NOT WORK OUTSIDE THE LOCATED AREA WITHOUT OBTAINING ANOTHER LOCATE.

From: 10.0M S OF POLE 148 JANE ST To: POLE 150 JANE ST

From: 10.0M W OF WCL JANE ST To: 30.0M W OF WCL JANE ST

LEGEND:

Building Line	BL
Fence Line	FL
Face of Curb	CL
Road Edge	RE
<i>*Pavement edge of asphalt or road surface</i>	
Driveway	DW
Manhole	M/H
Catch Basin	CB
Sidewalk	SW
Pole	
Limit of utility owned facilities	DM
Transformer	
Railway	
Gas Valve	
Pedestal	
Hydrant	
Buried Service Wire	-BSW-
Fiber Optic Cable	-FO-
Gas Main	-GM-
Gas Service	-GS-
Hydro Service	-HS-
Telephone Cable	-B-
Conduit	-C-
Hydro	-H-
Water	-W-
Cable TV	-TV-
Traffic Signal	-TS-
Street Light	-SL-
Sanitary Sewer	-SAN-
Storm Sewer	-ST-

HAND DIG WITHIN 1M (3.28ft) AS MEASURED HORIZONTALLY FROM THE FIELD MARKINGS DEPTH VARIES AND MUST BE VERIFIED BY HAND DIGGING

LOCATED AREA HAS BEEN ALTERED AS PER: _____

↑
Located Area

LOCATE AREA CLEAR OF TORONTO HYDRO PLANT

This form is valid only with the primary locate sheet. This sketch is not to scale. Measurements are in metres. Any privately owned services within the located area have not been marked - check with service/property owner

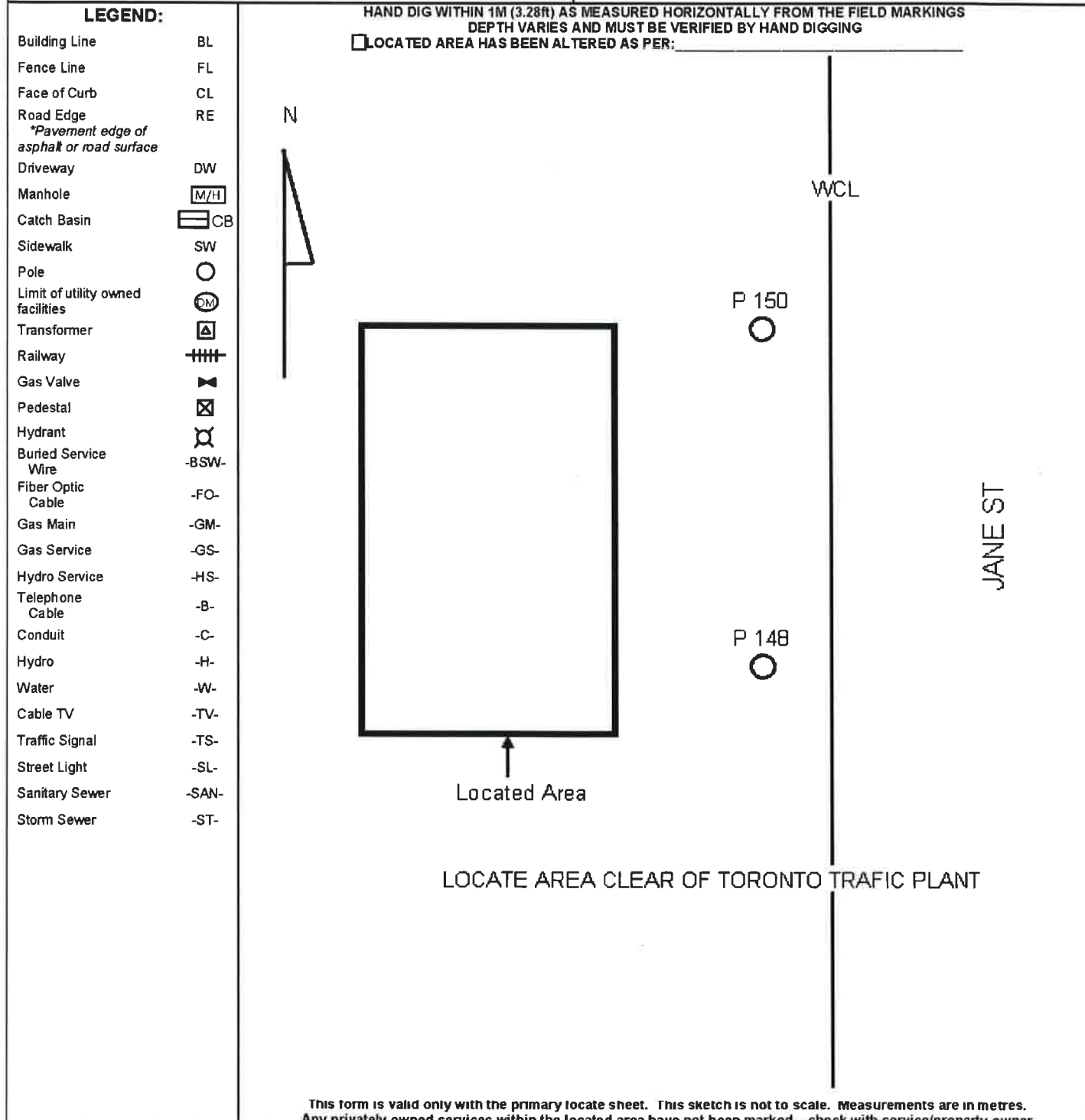
A Copy of this Auxiliary Locate Sheet and the Primary Locate Sheet must be on site and in the hands of the machine operator during work operations. Should sketch and markings not coincide, a new locate must be obtained.



Auxiliary Locate Sheet

Phone: 905-984-5197 Toll Free: 877-558-5569 Fax: 905-984-5367

Utilities Located: Toronto Traffic Signal (TORTSW01),	Request #: 2019260291-1831110	Requested by: Wood
Number of Services Marked (Specify Building Numbers):		
LOCATED AREA: EXCAVATOR SHALL NOT WORK OUTSIDE THE LOCATED AREA WITHOUT OBTAINING ANOTHER LOCATE.		
From: 10.0M S OF POLE 148 JANE ST	To: POLE 150 JANE ST	
From: 10.0M W OF WCL JANE ST	To: 30.0M W OF WCL JANE ST	



This form is valid only with the primary locate sheet. This sketch is not to scale. Measurements are in metres. Any privately owned services within the located area have not been marked – check with service/property owner

A Copy of this Auxiliary Locate Sheet and the Primary Locate Sheet must be on site and in the hands of the machine operator during work operations. Should sketch and markings not coincide, a new locate must be obtained.



Auxiliary Locate Sheet

Phone: 905-984-5197 Toll Free: 877-558-5569 Fax: 905-984-5367

Utilities Located: Toronto Water (TORWW01),	Request #: 2019260291-1831110	Requested by: Wood
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Number of Services Marked (Specify Building Numbers):

LOCATED AREA: EXCAVATOR SHALL NOT WORK OUTSIDE THE LOCATED AREA WITHOUT OBTAINING ANOTHER LOCATE.

From: 10.0M S OF POLE 148 JANE ST To: POLE 150 JANE ST

From: 10.0M W OF WCL JANE ST To: 30.0M W OF WCL JANE ST

LEGEND:

Building Line	BL
Fence Line	FL
Face of Curb	CL
Road Edge	RE
<i>*Pavement edge of asphalt or road surface</i>	
Driveway	DW
Manhole	M/H
Catch Basin	CB
Sidewalk	SW
Pole	
Limit of utility owned facilities	DM
Transformer	
Railway	
Gas Valve	
Pedestal	
Hydrant	
Buried Service Wire	-BSW-
Fiber Optic Cable	-FO-
Gas Main	-GM-
Gas Service	-GS-
Hydro Service	-HS-
Telephone Cable	-B-
Conduit	-C-
Hydro	-H-
Water	-W-
Cable TV	-TV-
Traffic Signal	-TS-
Street Light	-SL-
Sanitary Sewer	-SAN-
Storm Sewer	-ST-

HAND DIG WITHIN 1M (3.28R) AS MEASURED HORIZONTALLY FROM THE FIELD MARKINGS DEPTH VARIES AND MUST BE VERIFIED BY HAND DIGGING

LOCATED AREA HAS BEEN ALTERED AS PER:

Located Area

LOCATE AREA CLEAR OF TORONTO WATER PLANT

This form is valid only with the primary locate sheet. This sketch is not to scale. Measurements are in metres. Any privately owned services within the located area have not been marked – check with service/property owner

A Copy of this Auxiliary Locate Sheet and the Primary Locate Sheet must be on site and in the hands of the machine operator during work operations. Should sketch and markings not coincide, a new locate must be obtained.

GUIDELINES FOR EXCAVATION IN THE VICINITY OF TORONTO HYDRO-ELECTRIC SYSTEM LIMITED AND TORONTO HYDRO ENERGY SERVICES INC. UNDERGROUND PLANT

1. INTRODUCTION: These guidelines are intended to assist in locating and excavating within the city of Toronto in the vicinity of the underground plant owned by Toronto Hydro or Energy Services. The procedures described are for the safety of the general public and the workers carrying out the excavation and for the prevention of damage to the plant.

2. DEFINITIONS: For the purposes of these guidelines: "AFFILIATES" shall have the meaning as prescribed in the BUSINESS CORPORATIONS ACT (ONTARIO); "APPLICABLE LAWS" means all statutes, regulations, by-laws, codes, guidelines and rules applicable to excavation work, including without limitation the OHSA, ELECTRICITY ACT and all ESA STANDARDS, RULES and procedures; "BLANKET LOCATE OR ALTERNATE LOCATE AGREEMENT" means permission to excavate, subject to the terms and conditions outlined by a written agreement between the contractor or excavator and the utility. "ENERGIZED" means connected by means of a suitable transmission medium (conductor) to an electrical generator, storage battery, or other source of electrical energy; "ELECTRICITY ACT" means *ELECTRICITY ACT, 1998* (ONTARIO), as amended, including the regulations thereunder; "ENERGY SERVICES" means Toronto Hydro Energy Services Inc.; "ESA" means ELECTRICAL SAFETY AUTHORITY; "EXCAVATION" means all work done by an excavator in breaking ground, including without limitation digging, boring, trenching, grading or otherwise excavating or breaking ground in any fashion; "EXCAVATOR" means the individual, partnership, corporation, public agency or other entity that engages in an excavation; "HAND DIGGING" means to excavate using a shovel with a wooden or an insulated handle. No picks, bars, stakes or other earth piercing devices shall be used; "HYDRO-VAC" means the use of pressurized water or compressed air to loosen soil and a vacuum system to remove it; "LOCATE" means identification on the ground of the position of Toronto hydro underground plant on in the vicinity of the area proposed for excavation based on records or electronic locating equipment and includes provision of necessary documentation such as a locate sheet; "MECHANICAL EXCAVATION" means boring or open-cut excavation by means of powered mechanical equipment such as powered excavator, earth mover, earth piercing equipment including hand held augers, picks, bars, stakes or any other device that may damage Toronto hydro underground plant; "OHSA" means *OCCUPATIONAL HEALTH AND SAFETY ACT* (ONTARIO), as amended, including the regulations thereunder; "PLANT" means the underground electrical supply cable and other electrical equipment owned and energized by Toronto Hydro for the purpose of electrical energy distribution, including their supporting structures installed below the surface of the ground, and the energized underground lines owned by energy services. *Note: all other energized underground lines are excluded.* "RECORD" means the record of locating plant completed by Toronto Hydro (or its authorized agent) upon carrying out a locate; "REPRESENTATIVE" in respect of a party, shall have the meaning ascribed in section 16; "TEST HOLE" means an exploratory excavation using hand digging or hydro-vac methods of excavation; "TORONTO HYDRO" means TORONTO HYDRO-ELECTRIC SYSTEM LIMITED and TORONTO HYDRO ENERGY SERVICES INC.

3. GENERAL CONDITIONS: 3.1 All excavation shall be carried out in accordance with the most recent version of all applicable laws including without limitation: 3.1.1 The OHSA; 3.1.2 The ELECTRICITY ACT; 3.1.3 The ELECTRICAL & UTILITIES SAFETY ASSOCIATION (EUSA) RULE BOOK - electrical utility operations; 3.1.4 All standards, rules and procedures of the ESA; AND 3.1.5 all other applicable laws, including without limitation local regulations or conditions and all applicable standards and specifications of Toronto Hydro and Energy Services.

4. GENERAL PROCEDURE: 4.1 As required under section 228 OF O. REG. 213/91 made under the OHSA, and section 10 OF O. REG. 22/04 made under the ELECTRICITY ACT and BILL 8, the ONTARIO UNDERGROUND INFRASTRUCTURE NOTIFICATION SYSTEM ACT, 2012 (OUINSA2012) requires anyone planning to "disturb the ground" to contact Ontario One Call (ONICALL) at least 5 business days ahead of time to request a locate. on lcall will notify Toronto hydro (or its authorized agent) of the digging to identify Toronto Hydro underground plant. 4.1.1 No excavation shall occur until the locate has been completed by Toronto Hydro (or its authorized agent) and the excavator has the record of locating plant at the excavation site. 4.1.2 Upon receipt of the locate request, Toronto Hydro (or its authorized agent) shall attempt to locate the plant in the vicinity of the area proposed for excavation. 4.1.3 Upon completion of the locate, Toronto Hydro (or its authorized agent) shall complete the record and provide it to the excavator. 4.1.4 The excavator shall review the record and shall not start excavating, subject to these guidelines, unless a copy of the record is retained at the excavation site.

5. LOCATES: Toronto Hydro (or its authorized agent) shall provide information using labelled stakes, flags, and/or highly visible paint marks continuously or at regular intervals on the surface of the ground. The markings should clearly indicate the centre line of the plant and the limits of underground structures, where applicable, in the defined area of the proposed excavation. Markings or stakes used for the identification of the plant shall be spray painted in "SAFETY RED" (ANSI STANDARD 2535.1, 7.5 R4.c/14).

6. LOCATE BOUNDARIES/ACCURACY: 6.1 Prior to commencing excavation, the excavator shall ensure that the sketch provided with the record coincides with the site markings. If there is any discrepancy, the excavator shall contact Toronto Hydro (or its authorized agent) to request a further locate prior to excavation. 6.2 The excavator shall not excavate outside the area covered by the locate request without first obtaining a further locate. 6.3 locate accuracy shall be considered to be one metre on either side of the surface centre line locate or one metre on either side of the marked limits of the underground plant unless the locate instructions specifically indicate other boundary limits. 6.4 Where the plant is wider than one metre (e.g., subsurface chambers), the excavator shall not proceed without first obtaining special instructions from Toronto Hydro. 6.5 Where the plant is uncovered in a place other than where the locates indicate, the excavator shall cease further excavation in the immediate area and contact Toronto Hydro at 416-542-8000. 6.6 Neither Toronto Hydro nor Toronto Hydro Energy Services make any representations concerning the depth at which the plant is located beneath the surface. 6.5 Irrespective of the depth of the underground plant, the excavator must not use mechanical excavating equipment to dig within the boundary limits to expose the underground plant.

7. DURATION: 7.1 Locates shall be valid for **60 DAYS** from the date and time of completion and shall be **invalid** after the expiry date. No excavation shall take place after the expiry date. 7.2 Since stakes or markings may disappear or be displaced, excavators shall not rely on expired locates. Where delays occur beyond the period specified in 7.1 or where the locate markings become unclear, a new locate must be requested by the excavator.

8. INITIAL EXPOSURE: 8.1 At no time shall an excavator use mechanical means of excavation within the boundary limits of the locate without first digging test holes to determine the exact centre line and depth of cover of the underground plant, these test holes shall be done using only hand-digging or hydro-vac excavation methods. 8.2 Where the proposed excavation is to be parallel and within the boundary limits of underground plant, the excavator shall expose the underground plant by hand digging or hydro-vacating a series of test holes along the entire route at regular intervals, the separation between test holes shall not exceed 4.5 metres. These test holes shall be done using hand digging or hydro-vac excavation methods only. 8.3 Concrete saws, jack hammers, hand tools, or other similar equipment may be used to break concrete or asphalt on a road or sidewalk surface, but not to penetrate beyond the depth of the concrete, asphalt or sidewalk surface. 8.3.1 Concrete below the road or sidewalk surface layers may have plant encased therein and shall not be removed without consultation with Toronto Hydro.

9. EXCAVATION AFTER TEST HOLES ARE COMPLETED: 9.1 Where test holes have been completed and the underground plant located, mechanical excavation may take place provided the following procedures are used: 9.1.1 Wherever possible, mechanical excavating equipment shall be operated parallel to the direction of the underground plant when the excavation is within **one metre** of the underground plant. 9.1.2 Mechanical excavation shall not be used closer than 0.3 metre (1 foot) in any direction of the underground plant. 9.1.3 Excavation closer than 0.3 metre (1 foot) in any direction of the underground plant must be carried out by hand-digging or hydro-vac excavation methods only. 9.1.4 Prior to initiating any blasting activities in proximity of the underground plant excavators must obtain specific guidelines from Toronto Hydro.

10. UNDERMINING THE PLANT: Specific instructions for underground plant needing support must be obtained from Toronto Hydro. The excavator will install temporary support as per Toronto Hydro supporting procedures and guidelines. 10.1 temporary support will remain in place until the backfill material underneath the structure has cured or it has been compacted adequately to restore support.

11. MOVING OF PLANT: under no circumstances shall an excavator attempt to move underground plant. Where such a need arises during an excavation, the excavator shall contact Toronto Hydro at 416-542-8000 to make the necessary arrangements.

12. WORK AROUND THE EXPOSED PLANT: 12.1 Once the underground plant has been exposed, no further work shall be carried out within the excavation until the work area has been made safe by the excavator in accordance with specifications and standards of Toronto Hydro and all applicable laws. 12.2 If the excavation results in any damage to the plant or any related personal injury, the excavator shall immediately cease all work within the excavation, exclude all people, barricade the area and contact Toronto Hydro at 416-542-8000. The excavator shall call 911 if any injury occurs.

13. UNIDENTIFIED AND ABANDONED/RETIRED IN PLACE PLANT. Where underground plant is found during excavation that was not identified on the locate, but is within the located area, the excavator shall never assume that the underground plant is abandoned. The excavator shall immediately contact Toronto Hydro to determine the status of the underground plant in question.

14. BACKFILLING: backfilling of trenches and other excavations shall be in accordance with the specifications and standards of Toronto Hydro and the appropriate road authority.

15. OBLIGATION TO CONTACT TORONTO HYDRO: The excavator shall immediately contact Toronto Hydro operations department - 416-542-8000 - should anything unusual be encountered during the excavation, including, without limitation, any unsafe conditions, damage to the plant or any apparent conflict among any of the documents and/or applicable laws.

16. WAIVER OF LIABILITY: while reasonable efforts have been made to ensure that the information upon which the record and locate are based is accurate and up-to-date, neither Toronto Hydro nor Energy Services makes any assurances regarding the information's accuracy or completeness. none of Toronto Hydro, Energy Services or any of their respective employees, officers, directors, agents, contractors or affiliates (or such affiliates' employees, officers, directors, agents and contractors) (collectively, "representatives") shall be liable for any loss or damages arising directly or indirectly from any reliance upon the record by the excavator, or any other party. the excavator waives any claims to which it may become entitled for loss or damages and releases each of Toronto Hydro, Energy Services and their respective representatives from any and all such claims.

October 5, 2016



January 23 2015

To all Excavators:

Bell locates are now valid for the life of the excavation project and will not automatically be relocated every 60 days.

Please note the following for the above to apply:

- a) Construction within the located area begins within 60 days of the "locate completed" date on the original ticket.

- b) The construction company named on the locate remains active on the site.

Bell expects excavators will protect and preserve the paint marks put down on the original locate ticket. If markings are removed due to weather or excavation work the excavator is expected to recreate the markings based on the tie-in measurements provided on the original locate ticket.

If an excavator would like their markings freshened up they can contact PVS (the Bell Canada Locate Service Provider in this area) directly to arrange for them to place fresh markings on the ground however this will be at the excavators expense. PVS can be reached at 905-984-5414.

The locate will be considered officially expired one day after the final day of construction.

Thank you,

Bell Canada

Warning!

The excavator must have a copy of this locate on the job site during excavation.

Located Area: The excavator must not work outside the area indicated by the Located Area in the diagram overleaf without a further locate by the Company.

Locate the plant: The plant location information provided is the best we have available but constitutes only an estimate. Depth of underground plant varies and the exact location must be determined by hand digging prior to excavation with mechanical equipment.

Mechanical equipment must not be used within one metre of the estimated location of the plant.

Expose the plant: Once the plant has been located by hand digging, it must be exposed along its length adjacent to or in the immediate vicinity of the proposed excavation. For this purpose, mechanical equipment must not be used within 0.5 metres of the plant.

Digging around the exposed plant: When the plant has been exposed, any further excavation within 0.3 metres, must only be done by hand digging and not with mechanical equipment.

Support Requirements: If the underground plant is exposed over a distance of more than 1.25 metres, the utility company must be notified; underground plant must be supported at all times.

0. Reg. 210/01 Oil and Gas Pipeline Systems EXCERPTS

9. (1) No person shall dig, bore, trench, grade, excavate or break ground with mechanical equipment or explosives without first ascertaining the location of any pipeline that may be interfered with.

10. No person shall interfere with or damage any pipeline without authority to do so.

Technical Standards & Safety Act 2000 EXCERPT

37 (1) Every person who contravenes or fails to comply with any provision of this act or the regulations; etc. ... is guilty of an offense and on conviction is liable to a fine of not more than \$50,000 or to imprisonment for a term of not more than one year, or to both.

Caution: The markings may disappear or be misplaced. Should sketch markings not coincide, a new locate must be obtained. This is based on information given at the time. Any changes to location or nature of work require a new locate. The EXCAVATOR must not work outside the indicated Located Area without a further locate by the company. Privately owned facilities may be present in Locate Area, check with property owner.

Locate is VOID after 30 days; Bell has exceptions, see attached letter.

For remarks contact Ontario One 1-800-400-2255.

Shown on this locate form and within the located area are only the underground facilities, gas or utility lines, which we were able to locate using conventional technology. There may be other lines, including but not limited to, customer owned lines, such as lines for a pool or a gas barbeque ("Customer Lines"), which we were not able to locate. Often customer owned facilities are installed in such a way as to make location impossible. Depth and location of these facilities is not known. Locate company or utility is not responsible or liable for any errors on this locate for Customer Lines and it is to be relied upon at your own risk.

Planning to Dig ... CALL US FIRST

**Members of Ontario
ONE CALL**

**Phone 1-800-400-2255
or
Fax 1-800-400-8876**



Typical metric Conversions:
(m = metre, ft = foot)

0.5 ft = 0.15 m	0.15 m = 0.5 ft
1 ft = 0.3 m	1 m = 3.3 ft
2 ft = 0.6 m	2 m = 6.6 ft
3 ft = 0.9 m	3 m = 9.8 ft
4 ft = 1.2 m	4 m = 13.1 ft
5 ft = 1.5 m	5 m = 16.4 ft
6 ft = 1.8 m	6 m = 19.7 ft
7 ft = 2.1 m	7 m = 23.0 ft
8 ft = 2.4 m	8 m = 26.2 ft
9 ft = 2.7 m	9 m = 29.5 ft
10 ft = 3.0 m	



Here is the locate you requested. If you have any questions please feel free to contact our office at 1-905-984-5414 for assistance.

Please note that privately owned utilities are typically not covered under your Ontario One Call locate request.

If you suspect that there are privately owned utilities within your work area, PVS is available to provide private locate services. Please contact us to request a quote and discuss in greater detail. Visit www.pvslocates.com to learn more about our suite of services.

EXCAVATION GUIDELINES DISCLAIMER

Hand Digging

Means excavation using only a shovel with a wooden or an insulated handle. No picks, bars or other devices shall be used.

Mechanical Excavation

Means boring or open cut excavation by means of powered mechanical equipment, hand held augers, picks or bars.

General Conditions

All work shall be carried out in accordance with the most current version of:

- a) the Occupational Health and Safety Act (O.H.S.A.) and Regulations which apply under the act, and
- b) All other pertinent and local regulations or conditions.

Locate Boundaries/Accuracy

- The excavator shall not dig outside the area covered by the locate form without obtaining a further locate.
- Locate accuracy shall be considered to be one metre on either side of the surface centre lines unless the locate instructions specifically indicate other boundary limits.
- Where the underground plant is wider than two metres (e.g. subsurface chambers), special instructions shall be included on the locate form.
- Where underground plant is uncovered in a place other than where the locate indicates, the excavator shall cease further excavation in the immediate area and contact the Utility immediately.

Duration

Unless otherwise noted, locates are valid for 30 days. For remarks please contact Ontario One Call @ 1-800-400-2255.

Initial Exposure

At no time shall a contractor or subcontractor use mechanical means of excavation within the boundary limits of the locate without first digging test hole(s) to determine the plant's exact location and depth of cover. The test holes shall be dug using only hand digging methods at periodic intervals along the plant as specified by the Utility. Hand digging shall be by the use of a shovel with a wooden or an insulated handle only.

When digging in frost conditions, the excavator shall first contact the Utility for instructions.

Undermining the Plant

Where underground plant must be undermined for more than one metre, the excavator shall contact the Utility for supporting procedures and required clearances.

Moving of Underground Plant

No plant shall be moved even slightly to accommodate the excavation work. The local Utility shall be contacted for instructions if moving is required.

Work Around Exposed Plant



Appendix C
Site Reconnaissance

Appendix C – Site Reconnaissance



Photo 1 – Looking upstream at Jane Street crossing



Photo 2 – Downstream side of Jane Street



Photo 3 – Downstream side of Jane Street



Photo 4 – Looking downstream from Rockcliffe Boulevard

Appendix C – Site Reconnaissance



Photo 5 – Rockcliffe Boulevard



Photo 6 – Flood gate just upstream of Rockcliffe Boulevard



Photo 7 – Downstream of Rockcliffe Boulevard



Photo 8 – Downstream of Rockcliffe Boulevard

Appendix C – Site Reconnaissance



Photo 9 – Upstream of Rockcliffe Boulevard



Photo 10 – Outlet of Lavender Creek



Photo 11 – Flow depth gauge downstream of Alliance Avenue crossing



Photo 12 – Alliance Avenue crossing

Appendix C – Site Reconnaissance



Photo 13 – Flow depth gauge



Photo 14 – Hilldale Road crossing



Photo 15 – Hilldale Road



Photo 16 – Symes Road crossing of Lavender Creek

Appendix C – Site Reconnaissance



Photo 17 – Lavender Creek



Photo 18 – Lavender Creek driveway crossing



Photo 19 – Lavender Creek driveway crossing



Photo 20 – Greenspace along Lavender Creek

Appendix C – Site Reconnaissance



Photo 21 – Channel upstream of Hilldale Road



Photo 22 – Channel upstream of Hilldale Road



Photo 23 – Looking upstream at Weston Road

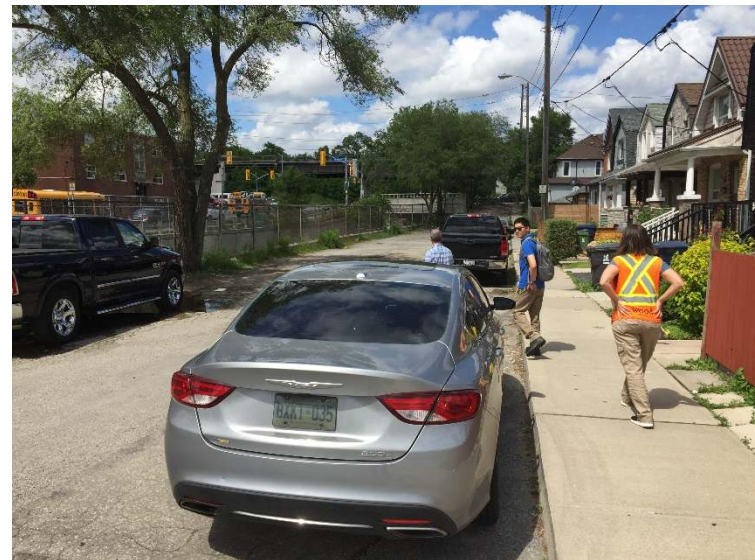


Photo 24 – Humber Boulevard South

Appendix C – Site Reconnaissance



Photo 25 – Humber Boulevard South



Photo 26 – Riverstone from work at Metrolinx crossing



Photo 27 – Weston Road



Photo 28 – Upstream of Weston Road

Appendix C – Site Reconnaissance



Photo 29 – Metrolinx crossing

Appendix D
Stream Crossing Inventory

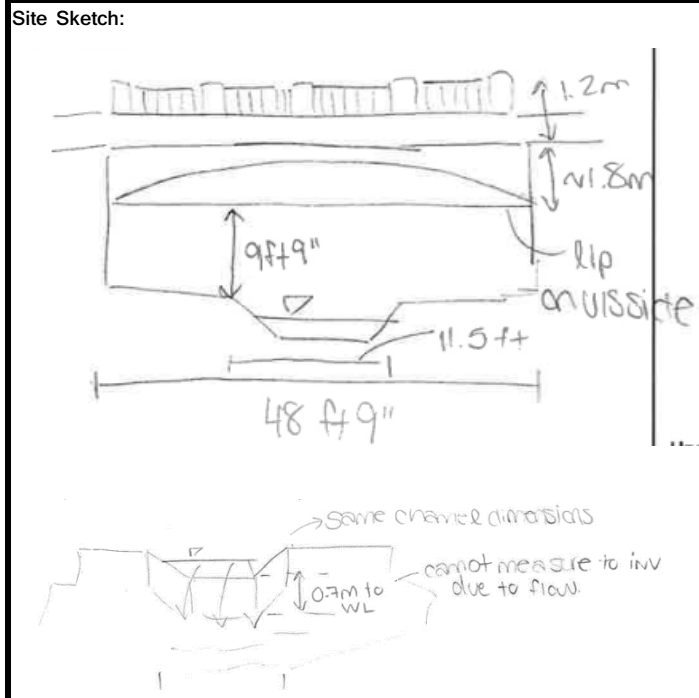
HYDRAULIC STRUCTURE INVENTORY SHEET

CROSSING # : 01

Watershed and Location Information		Structure Configuration and Dimensions				Current Flow Information	
Date (dd/mm/yyyy):	24/07/2019	Structure Type (Culvert/Bridge):	Bridge			Flow Present (Y/N):	Yes
Field Crew:	EHK, KL	Number of Openings:	1	Open Footing (Yes/No):	Yes	Approx. Depth (mm):	0.25m
Watershed Name:	Humber River Watershed	Opening Shape:	Box	Material (Conc/Steel)	Concrete	Approx. Velocity (m/s):	>2m/s
River Name:	Black Creek	Height (m) or Diameter (m):	2.97m	Opening Width/Span(m):	14.90m	Upstream Erosion (Y/N):	N
Reach ID:	NA	Opening Length in Direction of Flow(m):	19.80m			Downstream Erosion (Y/N):	N
Municipality:	City of Toronto	Inlet Type (Project/Mitered/HW):	NA			Additional Flow Information: Flow speeds up approximately 20m upstream of the structure.	
Location (Road Name/Intersection):	Scarlett Road	Skew Angle of Crossing (Degrees):	NA				
Latitude:	43.674842°	Height from Obvert to Top of Road (m):	1.80m				
Longitude:	-79.505337°	Railing Height (m):	1.20m	Depth of Siltation (mm):	NA		

Additional Notes: Drop structure inside bridge 5m from downstream - drops into concrete pool. Can not measure drop to invert due to flow.

Site Photograph and Additional Field Notes



Description of Photo: Upstream structure face



Description of Photo: Upstream channel

Additional Site Photographs



Description of Photo: Inside structure



Description of Photo: Drop structure



Description of Photo: Downstream structure face



Description of Photo: Downstream channel

Additional Site Photographs



Description of Photo: Road



Description of Photo: Railing

HYDRAULIC STRUCTURE INVENTORY SHEET

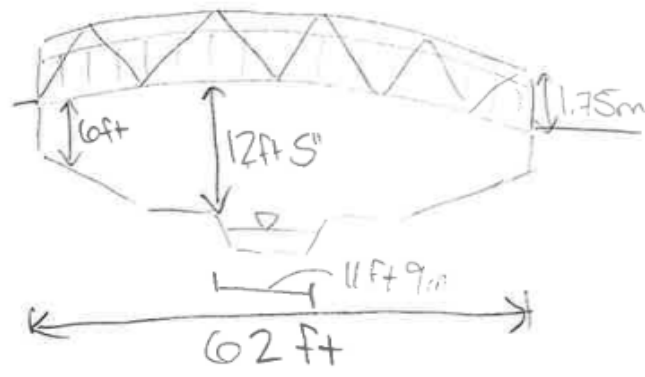
CROSSING # : 02

Watershed and Location Information		Structure Configuration and Dimensions				Current Flow Information	
Date (dd/mm/yyyy):	24/07/2019	Structure Type (Culvert/Bridge):	Bridge			Flow Present (Y/N):	Yes
Field Crew:	EHK, KL	Number of Openings:	1	Open Footing (Yes/No):	Yes	Approx. Depth (mm):	0.55m
Watershed Name:	Humber River Watershed	Opening Shape:	Arch	Material (Conc/Steel)	Steel	Approx. Velocity (m/s):	NA
River Name:	Black Creek	Height (m) or Diameter (m):	3.80m	Opening Width/Span(m):	18.90m	Upstream Erosion (Y/N):	N
Reach ID:	NA	Opening Length in Direction of Flow(m):	3.10m			Downstream Erosion (Y/N):	N
Municipality:	City of Toronto	Inlet Type (Project/Mitered/HW):	NA			Additional Flow Information:	
Location (Road Name/Intersection):	Pedestrian Bridge	Skew Angle of Crossing (Degrees):	NA				
Latitude:	43.675327°	Height from Obvert to Top of Road (m):	0.25m				
Longitude:	-79.499264°	Railing Height (m):	1.75m	Depth of Siltation (mm):	NA		

Additional Notes:

Site Photograph and Additional Field Notes

Site Sketch:



Description of Photo: Upstream structure face



Description of Photo: Upstream channel

Additional Site Photographs



Description of Photo: Path, Railing



Description of Photo: Downstream face of structure



Description of Photo: Downstream channel

HYDRAULIC STRUCTURE INVENTORY SHEET

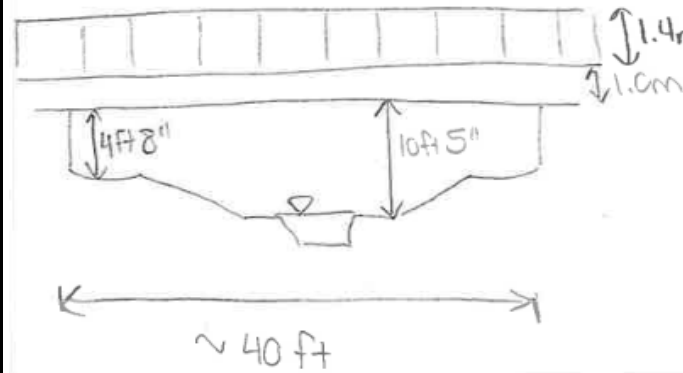
CROSSING # : 03

Watershed and Location Information		Structure Configuration and Dimensions				Current Flow Information	
Date (dd/mm/yyyy):	24/07/2019	Structure Type (Culvert/Bridge):	Bridge			Flow Present (Y/N):	Yes
Field Crew:	EHK, KL	Number of Openings:	1	Open Footing (Yes/No):	Yes	Approx. Depth (mm):	0.50m
Watershed Name:	Humber River Watershed	Opening Shape:	Box	Material (Conc/Steel)	Concrete/steel	Approx. Velocity (m/s):	NA
River Name:	Black Creek	Height (m) or Diameter (m):	3.17m	Opening Width/Span(m):	12.19m	Upstream Erosion (Y/N):	N
Reach ID:	NA	Opening Length in Direction of Flow(m):	1.30m			Downstream Erosion (Y/N):	N
Municipality:	City of Toronto	Inlet Type (Project/Mitered/HW):	NA			Additional Flow Information:	
Location (Road Name/Intersection):	Pedestrian Bridge	Skew Angle of Crossing (Degrees):	NA				
Latitude:	43.675516°	Height from Obvert to Top of Road (m):	1.0m				
Longitude:	-79.496726°	Railing Height (m):	1.40m	Depth of Siltation (mm):	NA		

Additional Notes: Ripples causing pooling/backwater upstream under low flow conditions. Smaller diameter drain pipes are the bank inverts. Larger storm inlets shown at the top of banks, damaged conditions, flagged/sprayed.

Site Photograph and Additional Field Notes

Site Sketch:



Description of Photo: Upstream structure face



Description of Photo: Upstream channel

Additional Site Photographs



Description of Photo: Downstream structure face



Description of Photo: Downstream channel



Description of Photo: Path



Description of Photo: Railing

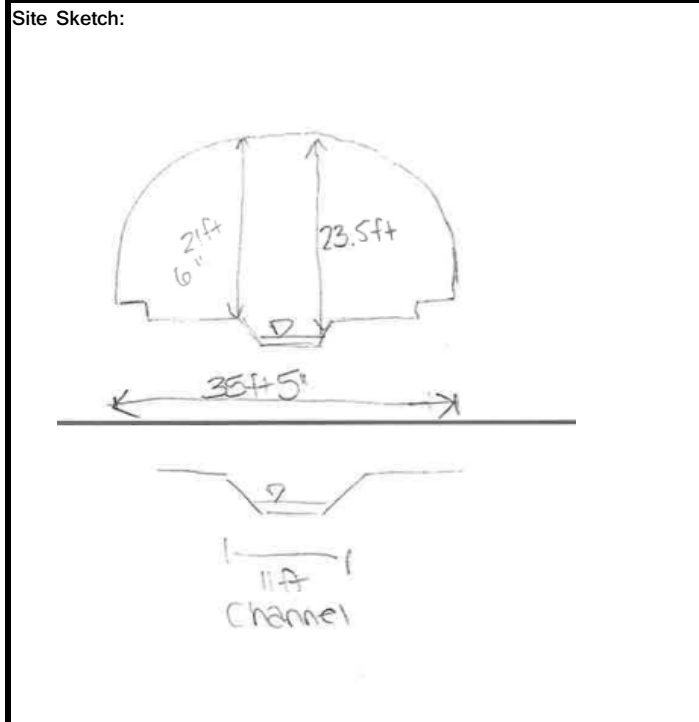
HYDRAULIC STRUCTURE INVENTORY SHEET

CROSSING # : 04

Watershed and Location Information		Structure Configuration and Dimensions				Current Flow Information	
Date (dd/mm/yyyy):	24/07/2019	Structure Type (Culvert/Bridge):	Bridge			Flow Present (Y/N):	Yes
Field Crew:	EHK, KL	Number of Openings:	1	Open Footing (Yes/No):	Yes	Approx. Depth (mm):	0.40m
Watershed Name:	Humber River Watershed	Opening Shape:	Arch	Material (Conc/Steel)	Concrete	Approx. Velocity (m/s):	1m/s
River Name:	Black Creek	Height (m) or Diameter (m):	6.50m	Opening Width/Span(m):	10.80m	Upstream Erosion (Y/N):	NA
Reach ID:	NA	Opening Length in Direction of Flow(m):	58.00m			Downstream Erosion (Y/N):	NA
Municipality:	City of Toronto	Inlet Type (Project/Mitered/HW):	Wingwalls			Additional Flow Information:	
Location (Road Name/Intersection):	Jane Street	Skew Angle of Crossing (Degrees):	NA			Downstream drop structure in poor condition, deep pool and displaced armourstone	
Latitude:	43.675549°	Height from Obvert to Top of Road (m):	>3m (unable to measure)				
Longitude:	-79.495416°	Railing Height (m):	NA	Depth of Siltation (mm):	NA		

Additional Notes:

Site Photograph and Additional Field Notes



Description of Photo: Upstream structure face



Description of Photo: Upstream channel

Additional Site Photographs



Description of Photo: Damaged Fence on upstream side



Description of Photo: Downstream structure face



Description of Photo: Downstream channel



Description of Photo: Drop structure

Additional Site Photographs



Description of Photo: Inside

HYDRAULIC STRUCTURE INVENTORY SHEET

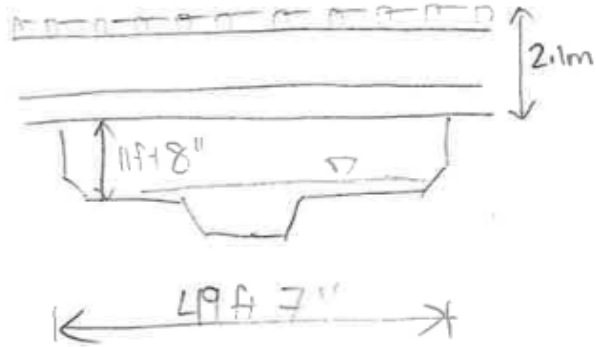
CROSSING # : 05

Watershed and Location Information		Structure Configuration and Dimensions				Current Flow Information	
Date (dd/mm/yyyy):	24/07/2019	Structure Type (Culvert/Bridge):	Bridge			Flow Present (Y/N):	Yes
Field Crew:	EHK, KL	Number of Openings:	1	Open Footing (Yes/No):	Yes	Approx. Depth (mm):	0.70m
Watershed Name:	Humber River Watershed	Opening Shape:	Box with slight arch	Material (Conc/Steel)	Concrete	Approx. Velocity (m/s):	NA
River Name:	Black Creek	Height (m) or Diameter (m):	3.60m	Opening Width/Span(m):	14.50m	Upstream Erosion (Y/N):	N
Reach ID:	NA	Opening Length in Direction of Flow(m):	13.50m			Downstream Erosion (Y/N):	N
Municipality:	City of Toronto	Inlet Type (Project/Mitered/HW):	NA			Additional Flow Information:	
Location (Road Name/Intersection):	Rockcliffe Blvd	Skew Angle of Crossing (Degrees):	NA				
Latitude:	43.675399°	Height from Obvert to Top of Road (m):	0.70m				
Longitude:	-79.488710°	Railing Height (m):	1.40m	Depth of Siltation (mm):	NA		

Additional Notes: Multiple storm outlets on the downstream sides. Riffle downstream is likely causing ponding/backwater inside the bridge. Upstream flow is deep and slower. Upstream of Rockcliffe heavier vegetation inside concrete channel.

Site Photograph and Additional Field Notes

Site Sketch:



Description of Photo: Upstream structure face



Description of Photo: Upstream channel

Additional Site Photographs



Description of Photo: Inside structure



Description of Photo: Storm sewer (downstream)



Description of Photo: Garbage and debris in tree line likely from previous rainfall



Description of Photo: Downstream face of structure

Additional Site Photographs



Description of Photo: Downstream channel



Description of Photo: Street



Description of Photo: Railing

HYDRAULIC STRUCTURE INVENTORY SHEET

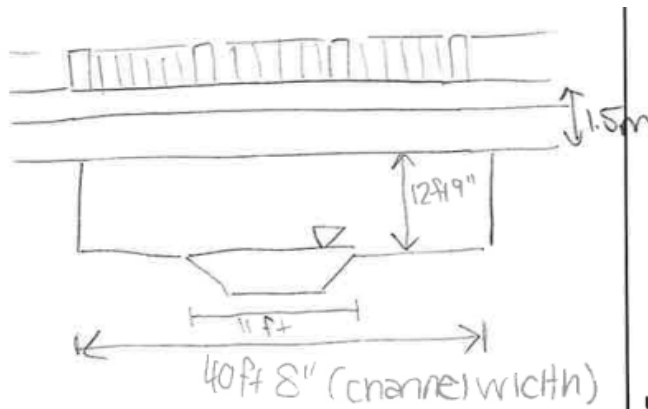
CROSSING # : 06

Watershed and Location Information		Structure Configuration and Dimensions				Current Flow Information	
Date (dd/mm/yyyy):	24/07/2019	Structure Type (Culvert/Bridge):	Bridge			Flow Present (Y/N):	Yes
Field Crew:	EHK, KL	Number of Openings:	1	Open Footing (Yes/No):	Yes	Approx. Depth (mm):	0.45m
Watershed Name:	Humber River Watershed	Opening Shape:	Box	Material (Conc/Steel)	Concrete	Approx. Velocity (m/s):	NA
River Name:	Black Creek	Height (m) or Diameter (m):	3.90m	Opening Width/Span(m):	12.40m	Upstream Erosion (Y/N):	N
Reach ID:	NA	Opening Length in Direction of Flow(m):	9.50m			Downstream Erosion (Y/N):	N
Municipality:	City of Toronto	Inlet Type (Project/Mitered/HW):	NA			Additional Flow Information:	
Location (Road Name/Intersection):	Alliance Avenue	Skew Angle of Crossing (Degrees):	App 60° angle (from aerial)				
Latitude:	43.678595°	Height from Obvert to Top of Road (m):	1.50m				
Longitude:	-79.483075°	Railing Height (m):	1.10m	Depth of Siltation (mm):	0.10m (varies)		

Additional Notes: Concrete blocks on both banks downstream. Water is high, low flow channel full. Bridge width difference because of heavy skew.

Site Photograph and Additional Field Notes

Site Sketch:



Description of Photo: Upstream structure face



Description of Photo: Upstream channel

Additional Site Photographs



Description of Photo: Downstream face of structure



Description of Photo: Storm sewer (downstream)



Description of Photo: Street



Description of Photo: Railing

HYDRAULIC STRUCTURE INVENTORY SHEET

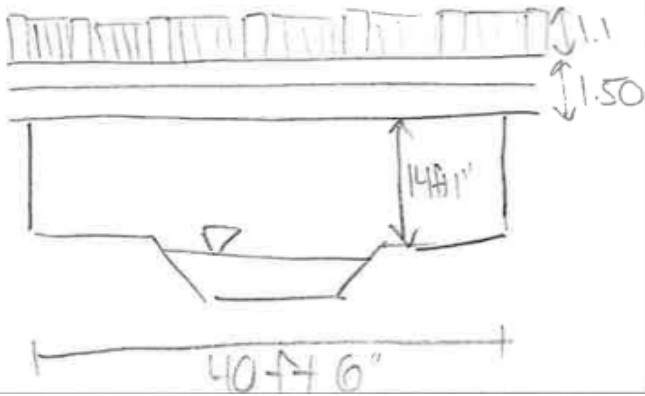
CROSSING # : 07

Watershed and Location Information		Structure Configuration and Dimensions				Current Flow Information	
Date (dd/mm/yyyy):	24/07/2019	Structure Type (Culvert/Bridge):	Bridge			Flow Present (Y/N):	Yes
Field Crew:	EHK, KL	Number of Openings:	1	Open Footing (Yes/No):	Yes	Approx. Depth (mm):	0.35m
Watershed Name:	Humber River Watershed	Opening Shape:	Box	Material (Conc/Steel)	Concrete	Approx. Velocity (m/s):	NA
River Name:	Black Creek	Height (m) or Diameter (m):	4.30m	Opening Width/Span(m):	12.30m	Upstream Erosion (Y/N):	N
Reach ID:	NA	Opening Length in Direction of Flow(m):	9.50m			Downstream Erosion (Y/N):	N
Municipality:	City of Toronto	Inlet Type (Project/Mitered/HW):	NA			Additional Flow Information:	
Location (Road Name/Intersection):	Humber Road	Skew Angle of Crossing (Degrees):	NA				
Latitude:	43.678833°	Height from Obvert to Top of Road (m):	1.50m				
Longitude:	-79.483047°	Railing Height (m):	1.10m	Depth of Siltation (mm):	NA		

Additional Notes:

Site Photograph and Additional Field Notes

Site Sketch:



Description of Photo: Upstream structure face



Description of Photo: Upstream channel

Additional Site Photographs



Description of Photo: Downstream face of structure



Description of Photo: Street



Description of Photo: Railing

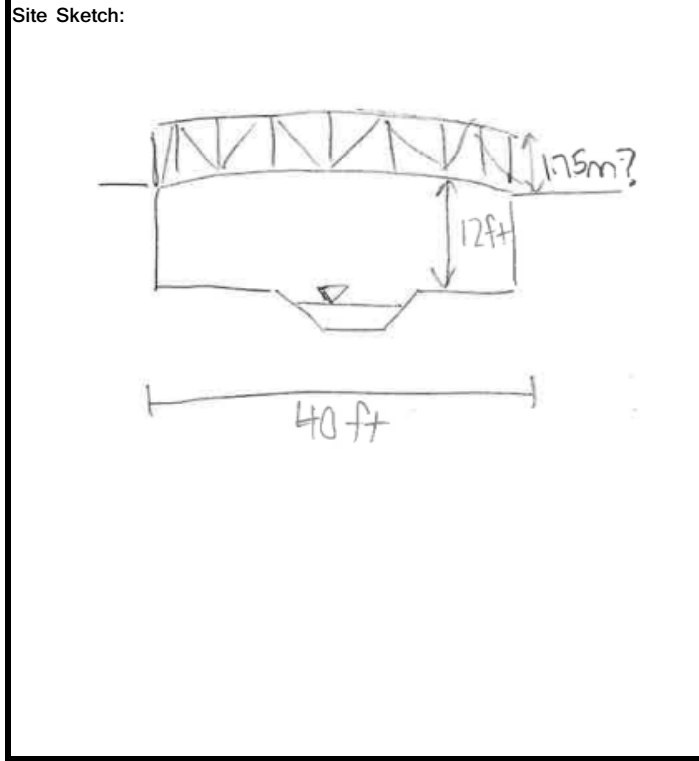
HYDRAULIC STRUCTURE INVENTORY SHEET

CROSSING # : 08

Watershed and Location Information		Structure Configuration and Dimensions				Current Flow Information	
Date (dd/mm/yyyy):	24/07/2019	Structure Type (Culvert/Bridge):	Bridge			Flow Present (Y/N):	Yes
Field Crew:	EHK, KL	Number of Openings:	1	Open Footing (Yes/No):	Yes	Approx. Depth (mm):	0.30m
Watershed Name:	Humber River Watershed	Opening Shape:	Box with slight arch	Material (Conc/Steel)	Steel	Approx. Velocity (m/s):	NA
River Name:	Black Creek	Height (m) or Diameter (m):	3.60m	Opening Width/Span(m):	12.20m	Upstream Erosion (Y/N):	N
Reach ID:	NA	Opening Length in Direction of Flow(m):	2.30m			Downstream Erosion (Y/N):	N
Municipality:	City of Toronto	Inlet Type (Project/Mitered/HW):	NA			Additional Flow Information:	
Location (Road Name/Intersection):	Pedestrian Bridge	Skew Angle of Crossing (Degrees):	NA				
Latitude:	43.680633°	Height from Obvert to Top of Road (m):	0.15m				
Longitude:	-79.481889°	Railing Height (m):	1.75m	Depth of Siltation (mm):	NA		

Additional Notes: Riffles and rock blockages upstream likely causing ponding.

Site Photograph and Additional Field Notes



Description of Photo: Upstream structure face



Description of Photo: Upstream channel

Additional Site Photographs



Description of Photo: Downstream face of structure



Description of Photo: Downstream channel

HYDRAULIC STRUCTURE INVENTORY SHEET

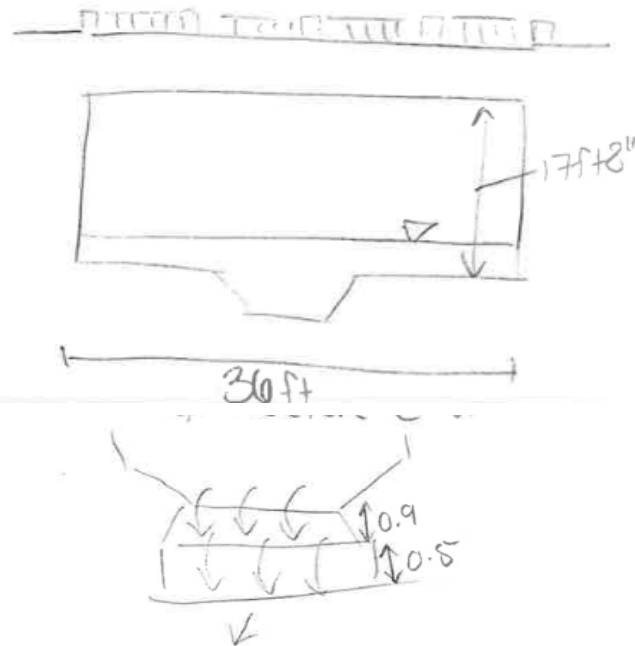
CROSSING # : 09

Watershed and Location Information		Structure Configuration and Dimensions				Current Flow Information	
Date (dd/mm/yyyy):	24/07/2019	Structure Type (Culvert/Bridge):	Bridge			Flow Present (Y/N):	Yes
Field Crew:	EHK, KL	Number of Openings:	1	Open Footing (Yes/No):	Yes	Approx. Depth (mm):	0.80m
Watershed Name:	Humber River Watershed	Opening Shape:	Box	Material (Conc/Steel)	Concrete	Approx. Velocity (m/s):	NA
River Name:	Black Creek	Height (m) or Diameter (m):	5.40m	Opening Width/Span(m):	11.00m	Upstream Erosion (Y/N):	N
Reach ID:	NA	Opening Length in Direction of Flow(m):	38.00m			Downstream Erosion (Y/N):	N
Municipality:	City of Toronto	Inlet Type (Project/Mitered/HW):	NA			Additional Flow Information:	
Location (Road Name/Intersection):	Weston Road	Skew Angle of Crossing (Degrees):	NA				
Latitude:	43.683312°	Height from Obvert to Top of Road (m):	1.00m				
Longitude:	-79.479968°	Railing Height (m):	1.50m	Depth of Siltation (mm):	NA		

Additional Notes: Downstream low flow channel is full of rocks/sediment/debris causing water level to pond and flow over banks. Drop structure at the upstream face of structure.

Site Photograph and Additional Field Notes

Site Sketch:



Description of Photo: Upstream structure face



Description of Photo: Upstream channel

Additional Site Photographs



Description of Photo: Drop structure



Description of Photo: Displaced rocks on downstream side



Description of Photo: Downstream structure face



Description of Photo: Downstream channel

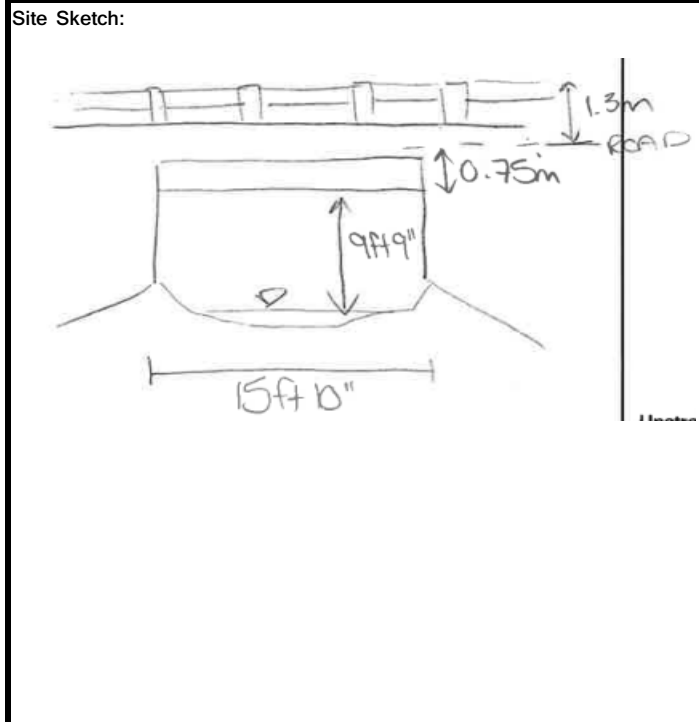
HYDRAULIC STRUCTURE INVENTORY SHEET

CROSSING # : 10

Watershed and Location Information		Structure Configuration and Dimensions				Current Flow Information	
Date (dd/mm/yyyy):	24/07/2019	Structure Type (Culvert/Bridge):	Bridge			Flow Present (Y/N):	Yes
Field Crew:	EHK, KL	Number of Openings:	1	Open Footing (Yes/No):	Yes	Approx. Depth (mm):	0.10m
Watershed Name:	Humber River Watershed	Opening Shape:	Box	Material (Conc/Steel)	Concrete	Approx. Velocity (m/s):	NA
River Name:	Lavender Creek	Height (m) or Diameter (m):	3.00m	Opening Width/Span(m):	4.80m	Upstream Erosion (Y/N):	Yes
Reach ID:	NA	Opening Length in Direction of Flow(m):	10.40m			Downstream Erosion (Y/N):	Yes
Municipality:	City of Toronto	Inlet Type (Project/Mitered/HW):	Wingwalls			Additional Flow Information:	
Location (Road Name/Intersection):	Symes Rd. (North of Orman)	Skew Angle of Crossing (Degrees):	NA				
Latitude:	43.675395°	Height from Obvert to Top of Road (m):	0.75m				
Longitude:	-79.482224°	Railing Height (m):	1.30m	Depth of Siltation (mm):	NA		

Additional Notes:

Site Photograph and Additional Field Notes



Description of Photo: Upstream structure face



Description of Photo: Upstream channel

Additional Site Photographs



Description of Photo: Downstream face of structure



Description of Photo: Downstream channel



Description of Photo: Driveway/railings

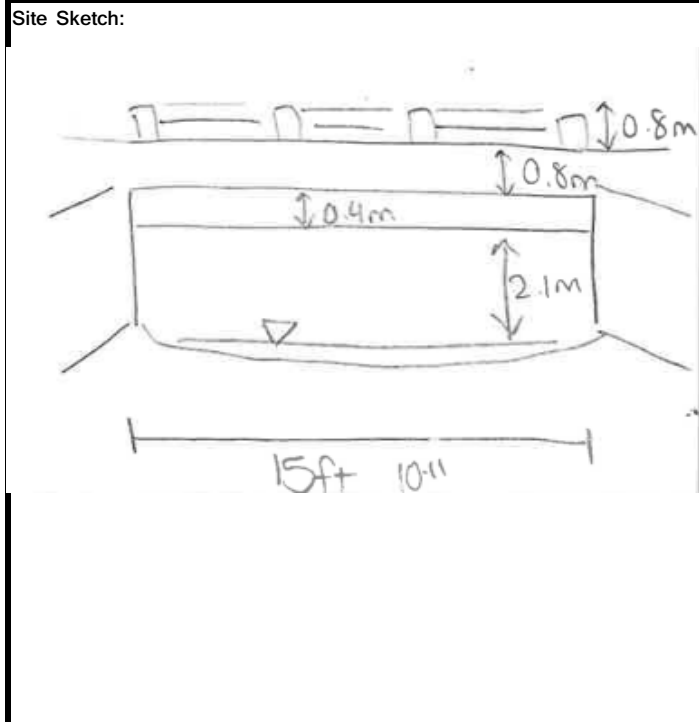
HYDRAULIC STRUCTURE INVENTORY SHEET

CROSSING # : 11

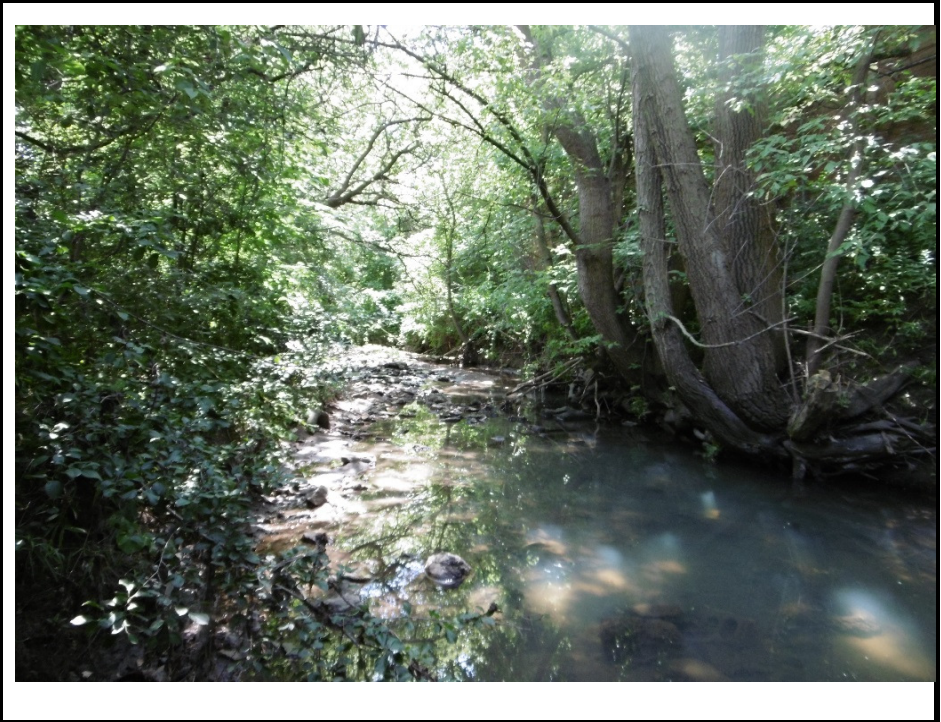
Watershed and Location Information		Structure Configuration and Dimensions				Current Flow Information	
Date (dd/mm/yyyy):	24/07/2019	Structure Type (Culvert/Bridge):	Bridge			Flow Present (Y/N):	Yes
Field Crew:	EHK, KL	Number of Openings:	1	Open Footing (Yes/No):	Yes	Approx. Depth (mm):	0.20m
Watershed Name:	Humber River Watershed	Opening Shape:	Box	Material (Conc/Steel)	Concrete	Approx. Velocity (m/s):	NA
River Name:	Lavender Creek	Height (m) or Diameter (m):	2.10m	Opening Width/Span(m):	4.80m	Upstream Erosion (Y/N):	Yes
Reach ID:	NA	Opening Length in Direction of Flow(m):	8.00m			Downstream Erosion (Y/N):	Yes
Municipality:	City of Toronto	Inlet Type (Project/Mitered/HW):	Wingwalls			Additional Flow Information:	
Location (Road Name/Intersection):	Symes Road (n. of Hillburn)	Skew Angle of Crossing (Degrees):	NA				
Latitude:	43.674664°	Height from Obvert to Top of Road (m):	0.40m				
Longitude:	-79.481983°	Railing Height (m):	0.80m	Depth of Siltation (mm):	NA		

Additional Notes: Water quality appears odd, discoloration. Extreme erosion.

Site Photograph and Additional Field Notes



Description of Photo: Upstream structure face



Description of Photo: Upstream channel

Additional Site Photographs



Description of Photo: Downstream face of structure



Description of Photo: Downstream channel



Description of Photo: Severe erosion



Description of Photo: Driveway/railings

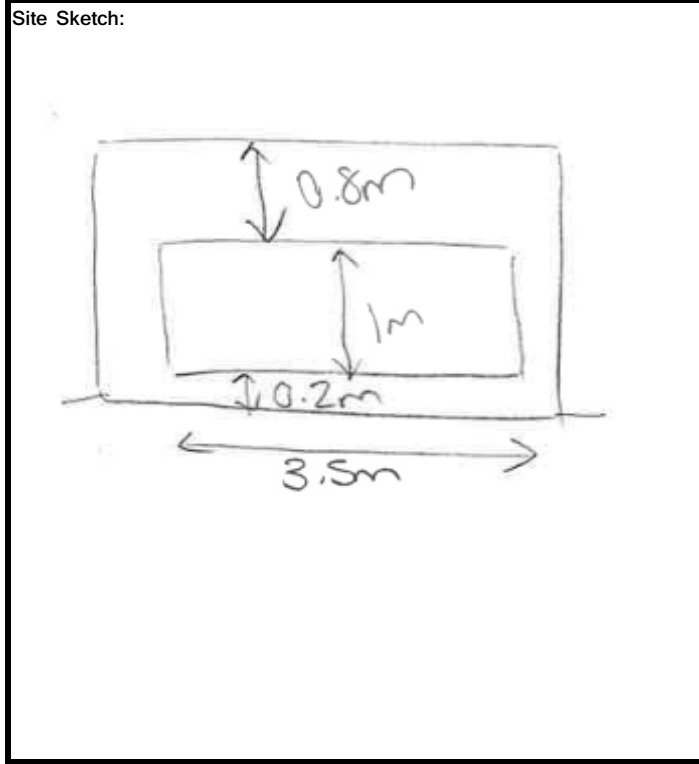
HYDRAULIC STRUCTURE INVENTORY SHEET

CROSSING # : 12

Watershed and Location Information		Structure Configuration and Dimensions				Current Flow Information	
Date (dd/mm/yyyy):	24/07/2019	Structure Type (Culvert/Bridge):	Culvert			Flow Present (Y/N):	Yes
Field Crew:	EHK, KL	Number of Openings:	1	Open Footing (Yes/No):	No	Approx. Depth (mm):	0.10m
Watershed Name:	Humber River Watershed	Opening Shape:	Box	Material (Conc/Steel)	Concrete	Approx. Velocity (m/s):	NA
River Name:	Lavender Creek	Height (m) or Diameter (m):	1.00m	Opening Width/Span(m):	3.50m	Upstream Erosion (Y/N):	Yes
Reach ID:	NA	Opening Length in Direction of Flow(m):	NA			Downstream Erosion (Y/N):	Yes
Municipality:	City of Toronto	Inlet Type (Project/Mitered/HW):	Headwall			Additional Flow Information:	
Location (Road Name/Intersection):	Symes Road (at L.C. trail)	Skew Angle of Crossing (Degrees):	NA				
Latitude:	43.674018°	Height from Obvert to Top of Road (m):	NA (brush)				
Longitude:	-79.4881608°	Railing Height (m):	NA	Depth of Siltation (mm):	0.25m		

Additional Notes: Gabion basket failure on the downstream side. Many displaced rocks and cobble. Extreme erosion on the downstream banks, encroaching on the fence. Upstream channel is concrete, downstream is natural. Wooden weirs in the channel upstream of the crossing.

Site Photograph and Additional Field Notes



Description of Photo: Upstream structure face



Description of Photo: Upstream channel

Additional Site Photographs



Description of Photo: Downstream face of structure



Description of Photo: Downstream channel (note exposed gabion rocks)



Description of Photo: Failed gabion on left bank facing DS

Appendix E
Natural Heritage



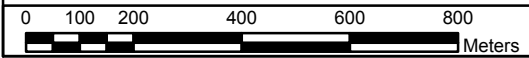
Legend	
Study Area	NHIC Square (Labelled with ID and Species at Risk Occurrences within the Past 20 years)
Railway	Greenbelt Designation
Watercourse	Regulation Limit
Waterbody	Archaeological Potential
	Park

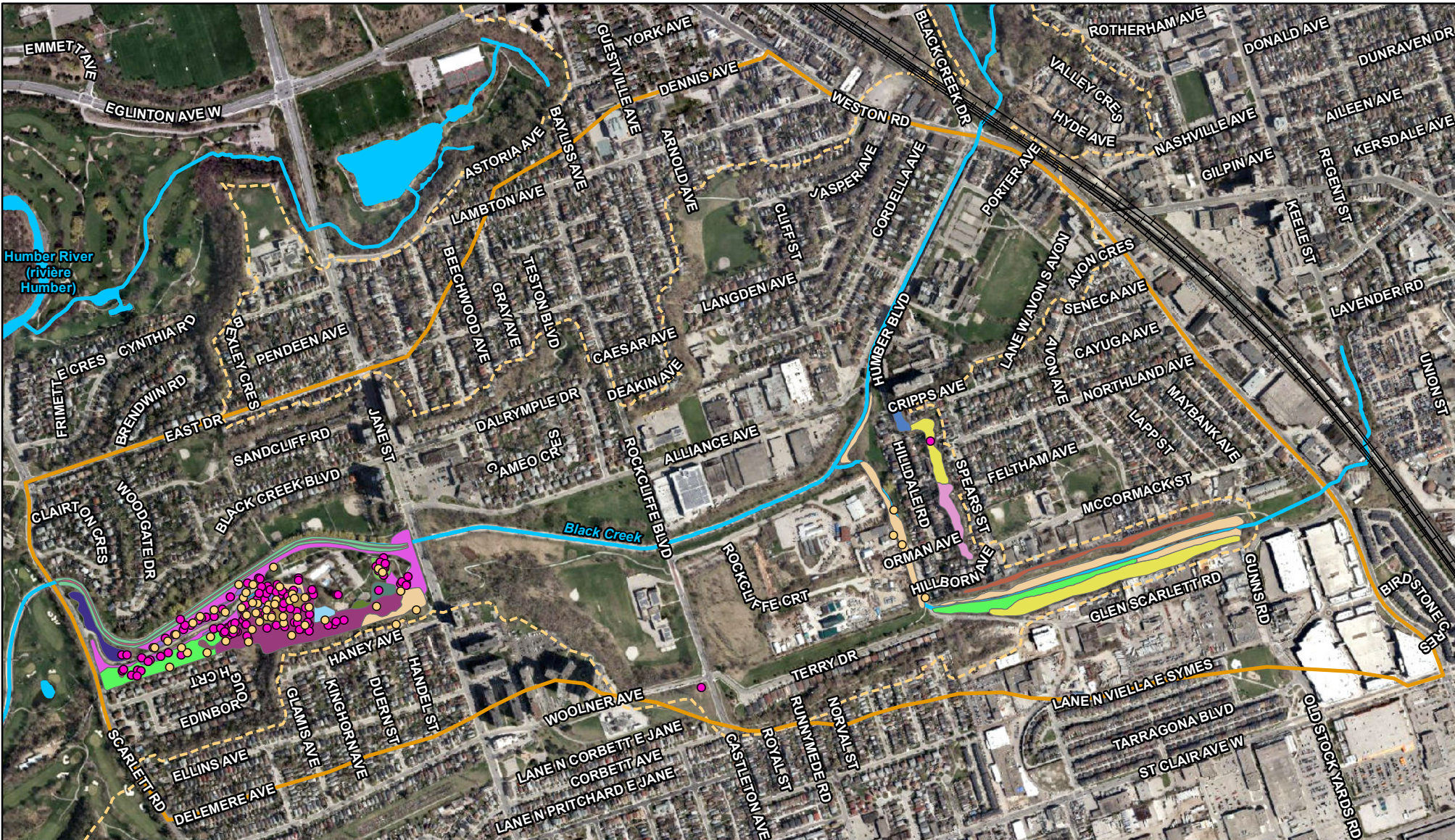
NOTES:
 - Basedata from MNRF LIO, 2019
 - Arch Potential and Parks from City of Toronto
 - Regulation Limit from TRCA
 - Imagery from ESRI, 2017

Datum: NAD83
 Projection: UTM Zone 17N



BLACK CREEK AT ROCKCLIFFE FLOOD REMEDIATION	
Natural Heritage	
PROJECT N ^o : TPB198079	FIGURE: 1
SCALE: 1:14,000	DATE: July 2019





Legend	<ul style="list-style-type: none"> StudyArea Railway Watercourse Waterbody Regulation Limit Fauna Flora
Ecological Land Classification (ELC)	<ul style="list-style-type: none"> BB03-B, Constructed Channel - Sluiceway CU51-b, Exotic Successional Savannah CUT1-c, Exotic Deciduous Thicket FOD1-1, Dry-Fresh Red Oak Deciduous Forest FOD4-b, Dry-Fresh Manitoba Maple Deciduous Forest FOD4-e, Dry-Fresh Exotic Deciduous Forest FOD5-3, Dry-Fresh Sugar Maple - Oak Deciduous Forest FOD7-a, Fresh-Moist Manitoba Maple Lowland Deciduous Forest FOD7-c, Fresh-Moist Exotic Deciduous Forest FOD8-1, Fresh-Moist Poplar Deciduous Forest FOD9-1, Fresh-Moist Oak - Sugar Maple Deciduous Forest MAM2-10, Forb Mineral Meadow Marsh MAS2-1A, Broad-leaved Cattail Mineral Shallow Marsh OAO1-T, Turbid Open Aquatic (unvegetated) SAF1-3, Duckweed Floating-leaved Shallow Aquatic SAM1-2, Duckweed Mixed Shallow Aquatic SWD4-1, Willow Mineral Deciduous Swamp SWD7-1, Paper Birch - Poplar Organic Deciduous Swamp

NOTES:
 - Basedata from MNRF LIO, 2019
 - Flora/Fauna, ELC, and Regulation Limit from TRCA
 - Imagery from ESRI, 2017

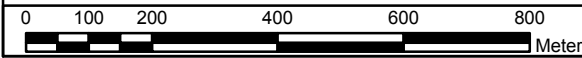
Datum: NAD83
 Projection: UTM Zone 17N

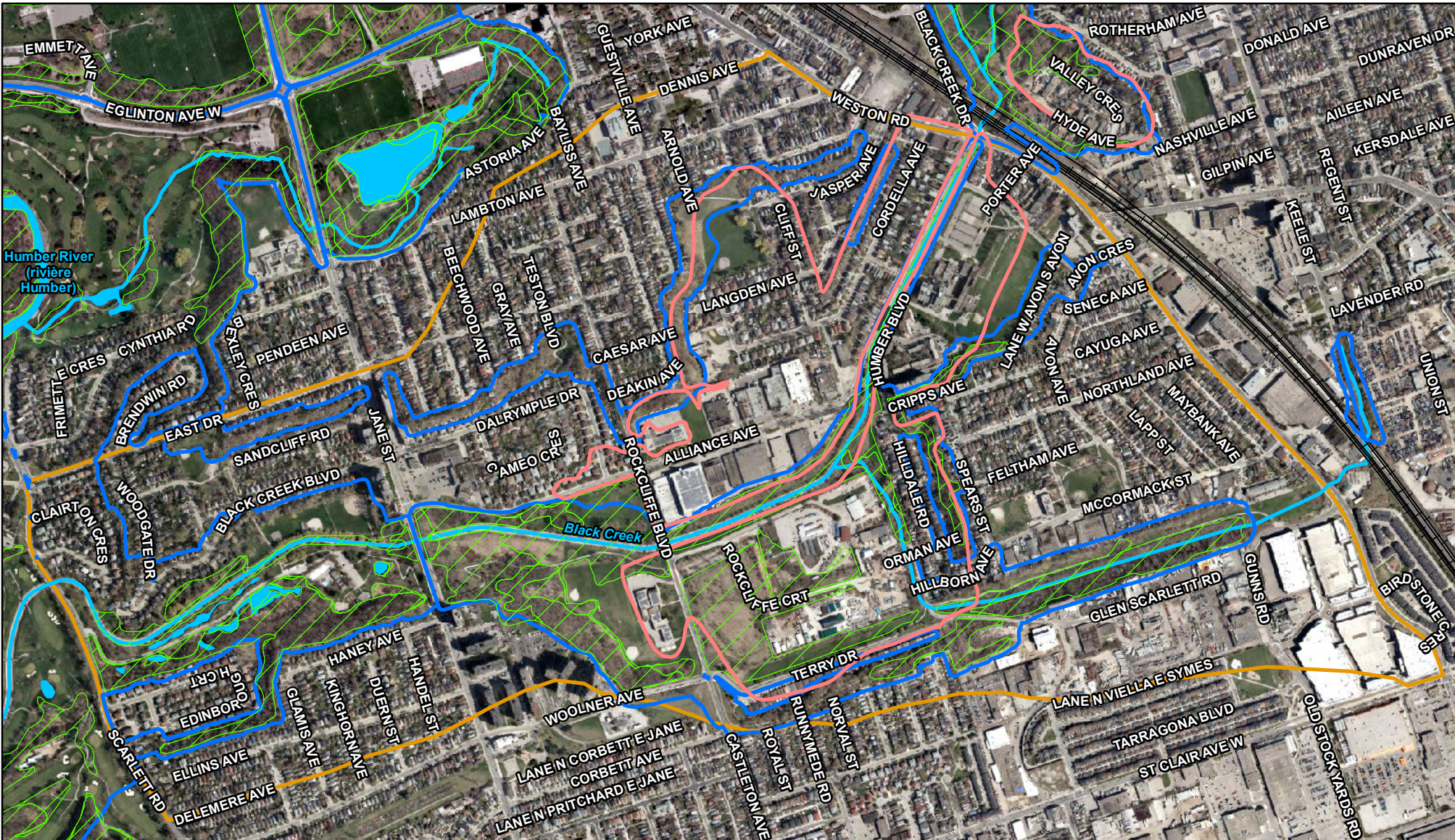


BLACK CREEK AT ROCKCLIFFE FLOOD REMEDIATION

**Natural Heritage
 Toronto and Region Conservation Authority**

PROJECT N ^o : TPB198079	FIGURE: 2
SCALE: 1:12,000	DATE: August 2019





Legend

- Study Area
- Railway
- Watercourse
- Waterbody
- Special Policy Area (SPA)
- Natural Heritage System (NHS)
- Ravine Natural Feature Protection Area


0 100 200 400 600 800
Meters

NOTES:

- Basedata from MNRF LIO, 2019
- NHS and SPA from TRCA
- Ravine Natural Feature Protection Area from City of Toronto
- Imagery from ESRI, 2017

Datum: NAD83
Projection: UTM Zone 17N

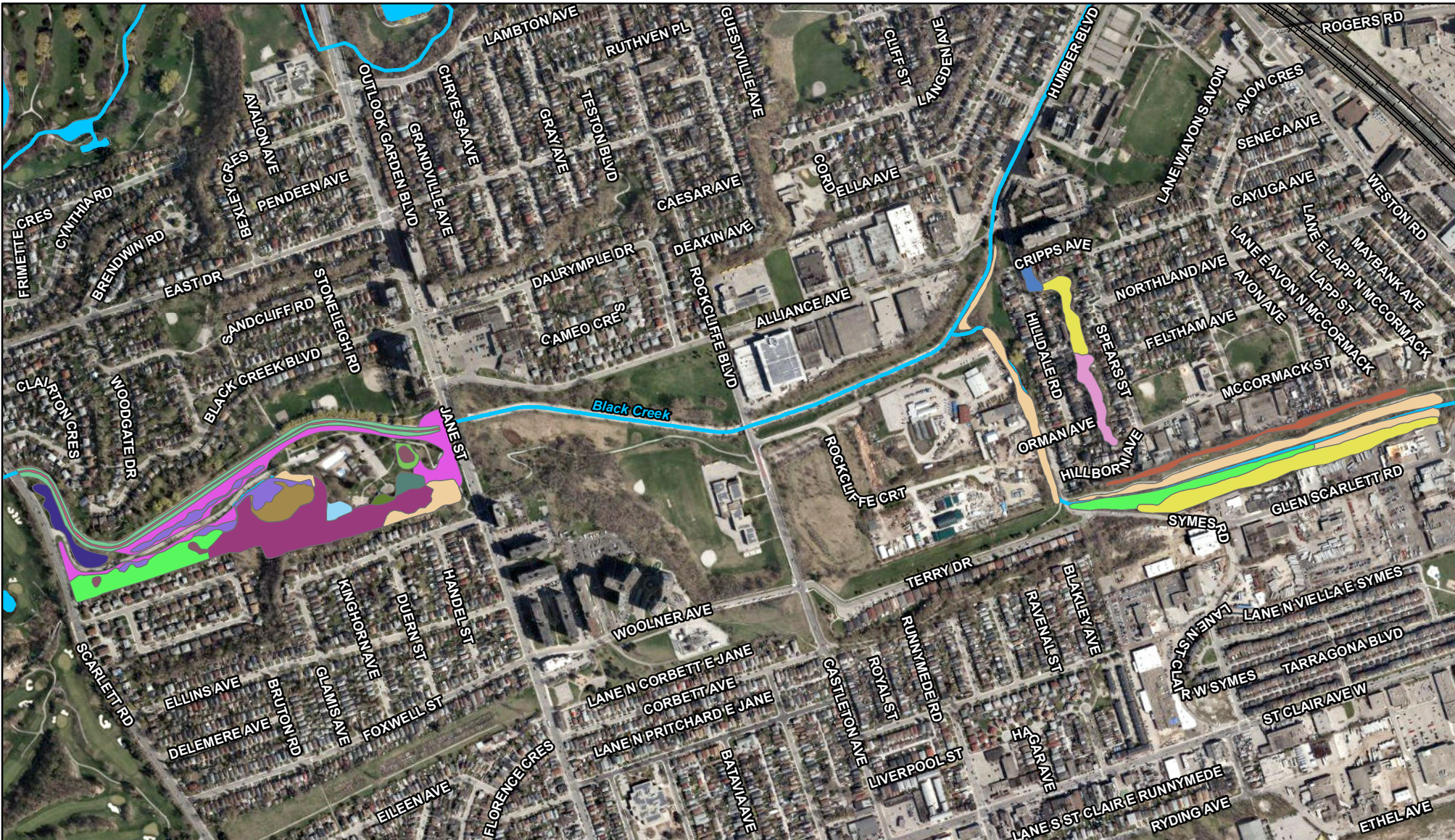




BLACK CREEK AT ROCKCLIFFE FLOOD REMEDIATION

Natural Heritage System and Special Policy Area

PROJECT N ^o : TPB198079	FIGURE: 3
SCALE: 1:12,000	DATE: August 2019



Legend

- Railway
- Watercourse
- Waterbody

Ecological Land Classification (ELC)

BBO3-B, Constructed Channel - Sluiceway	FOD7-a, Fresh-Moist Manitoba Maple Lowland Deciduous Forest
CUS1-b, Exotic Successional Savannah	FOD7-c, Fresh-Moist Exotic Deciduous Forest
CUT1-c, Exotic Deciduous Thicket	FOD8-1, Fresh-Moist Poplar Deciduous Forest
FOD1-1, Dry-Fresh Red Oak Deciduous Forest	FOD9-1, Fresh-Moist Oak - Sugar Maple Deciduous Forest
FOD4-b, Dry-Fresh Manitoba Maple Deciduous Forest	MAM2-10, Forb Mineral Meadow Marsh
FOD4-e, Dry-Fresh Exotic Deciduous Forest	MAS2-1A, Broad-leaved Cattail Mineral Shallow Marsh
FOD5-3, Dry-Fresh Sugar Maple - Oak Deciduous Forest	OAO1-T, Turbid Open Aquatic (unvegetated)
	SAF1-3, Duckweed Floating-leaved Shallow Aquatic
	SAM1-2, Duckweed Mixed Shallow Aquatic
	SWD4-1, Willow Mineral Deciduous Swamp
	SWD7-1, Paper Birch - Poplar Organic Deciduous Swamp

NOTES:
 - Basedata from MNRF LIO, 2019
 - Flora/Fauna, ELC, and Regulation Limit from TRCA
 - Imagery from ESRI, 2017

Datum: NAD83
 Projection: UTM Zone 17N



BLACK CREEK AT ROCKCLIFFE FLOOD REMEDIATION

Ecological Land Classification

PROJECT N ^o : TPB198079	FIGURE: 4
SCALE: 1:10,000	DATE: August 2019

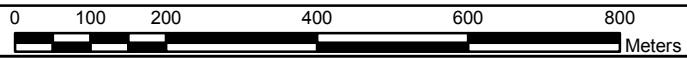


Table 1: NHIC and TRCA Vegetation Species List for the Study Area (year of most recent record listed)

Scientific Name	Common Name	YEAR	NHIC	TRCA	SARO List
<i>Geum fragarioides</i>	Barren Strawberry	1988		•	
<i>Corylus cornuta</i>	Beaked Hazel	2015		•	
<i>Actaea racemosa</i>	Black Snakeroot	1974	•		
<i>Carpinus caroliniana ssp. virginiana</i>	Blue Beech	2015		•	
<i>Iris versicolor</i>	Blue Flag	2015		•	
<i>Eupatorium perfoliatum</i>	Boneset	2015		•	
<i>Gillenia trifoliata</i>	Bowman's-root	1902	•		
<i>Typha latifolia</i>	Broad-leaved Cattail	2015		•	
<i>Cardamine diphylla</i>	Broad-leaved Toothwort	2015		•	
<i>Sicyos angulatus</i>	Bur Cucumber	2015		•	
<i>Quercus macrocarpa</i>	Bur Oak	2015		•	
<i>Juglans cinerea</i>	Butternut	2002	•		END
<i>Cephalanthus occidentalis</i>	Buttonbush	2015		•	
<i>Maianthemum canadense</i>	Canada May-flower	2015		•	
<i>Wolffia columbiana</i>	Columbia Water-meal	2015		•	
<i>Sagittaria latifolia</i>	Common Arrowhead	2015		•	
<i>Elodea canadensis</i>	Common Water-weed	2015		•	
<i>Ceratophyllum demersum</i>	Coontail	2015		•	
<i>Wolffia borealis</i>	Dotted Water-meal	2015		•	
<i>Polygonatum pubescens</i>	Downy Solomon's Seal	2015		•	
<i>Euonymus atropurpureus</i>	Eastern Burning Bush	1954	•		
<i>Tsuga canadensis</i>	Eastern Hemlock	2015		•	
<i>Crataegus submollis</i>	Emerson's Hawthorn	2015		•	
<i>Boehmeria cylindrica</i>	False Nettle	2015		•	
<i>Carex leptonevia</i>	Few-nerved Wood Sedge	2002		•	
<i>Tiarella cordifolia</i>	Foam-flower	1988		•	
<i>Symphotrichum lanceolatum var. hirsuticaule</i>	Great Lakes Paniced Aster	2015		•	
<i>Spirodela polyrhiza</i>	Greater Duckweed	2015		•	

Scientific Name	Common Name	YEAR	NHIC	TRCA	SARO List
<i>Carex hirtifolia</i>	Hairy Wood Sedge	2015		•	
<i>Schoenoplectus acutus var. acutus</i>	Hard-Stemmed Bulrush	2015		•	
<i>Acer x freemanii</i>	Hybrid Swamp Maple	2015		•	
<i>Potamogeton foliosus</i>	Leafy Pondweed	2015		•	
<i>Thelypteris palustris var. pubescens</i>	Marsh Fern	2015		•	
<i>Mitella diphylla</i>	Mitrewort	1988		•	
<i>Acer spicatum</i>	Mountain Maple	1988		•	
<i>Physocarpus opulifolius</i>	Ninebark	2015		•	
<i>Athyrium filix-femina var. angustum</i>	Northeastern Lady Fern	1988		•	
<i>Nuttallanthus canadensis</i>	Old-field Toadflax	No year	•		
<i>Betula papyrifera</i>	Paper Birch	2015		•	
<i>Salix amygdaloides</i>	Peach-leaved Willow	2015		•	
<i>Carex hystericina</i>	Porcupine Sedge	2015		•	
<i>Carex pseudocyperus</i>	Pseudocyperus Sedge	2015		•	
<i>Cardamine douglassii</i>	Purple Cress	1985		•	
<i>Quercus rubra</i>	Red Oak	2015		•	
<i>Pinus resinosa</i>	Red Pine	2015		•	
<i>Quercus</i> × <i>hawkinsii</i>	Red-black Hybrid Oak	2015		•	
<i>Cornus rugosa</i>	Round-leaved Dogwood	2015		•	
<i>Stuckenia pectinata</i>	Sago Pondweed	2015		•	
<i>Sporobolus cryptandrus</i>	Sand Dropseed	1998		•	
<i>Cornus obliqua</i>	Silky Dogwood	2015		•	
<i>Acer saccharinum</i>	Silver Maple	2015		•	
<i>Symplocarpus foetidus</i>	Skunk Cabbage	2015		•	
<i>Osmorhiza longistylis</i>	Smooth Sweet Cicely	2015		•	
<i>Rosa blanda</i>	Smooth Wild Rose	2015		•	
<i>Juncus effusus</i>	Soft Rush	2015		•	
<i>Schoenoplectus tabernaemontani</i>	Soft-stemmed Bulrush	2015		•	
<i>Alnus incana ssp. rugosa</i>	Speckled Alder	2015		•	

Scientific Name	Common Name	YEAR	NHIC	TRCA	SARO List
<i>Dryopteris carthusiana</i>	Spinulose Wood Fern	1988		•	
<i>Pilea fontana</i>	Spring Clearweed	2015		•	
<i>Asclepias incarnata ssp. incarnata</i>	Swamp Milkweed	2015		•	
<i>Ribes triste</i>	Swamp Red Currant	2015		•	
<i>Cinna arundinacea</i>	Tall Wood Reed	2015		•	
<i>Larix laricina</i>	Tamarack	2015		•	
<i>Schoenoplectus pungens var. pungens</i>	Three-Square	2015		•	
<i>Lemna turionifera</i>	Turion Duckweed	2015		•	
<i>Lepidium virginicum</i>	Virginia Pepper-grass	2015		•	
<i>Thuja occidentalis</i>	White Cedar	2015		•	
<i>Pinus strobus</i>	White Pine	2015		•	
<i>Picea glauca</i>	White Spruce	2015		•	
<i>Trillium grandiflorum</i>	White Trillium	2015		•	
<i>Asarum canadense</i>	Wild Ginger	2015		•	
<i>Hamamelis virginiana</i>	Witch-Hazel	2015		•	
<i>Anemone quinquefolia var. quinquefolia</i>	Wood-Anemone	2015		•	
<i>Betula alleghaniensis</i>	Yellow Birch	2015		•	

SARO: Species at Risk List Ontario; END: Endangered

Table 2: ABBO (2001-2005), TRCA and NHIC list of Bird Species for the Study Area (TRCA and NHIC year listed)

Scientific Name	Common Name	YEAR	ABBO	TRCA	NHIC	SARO List
<i>Anas rubripes</i>	American Black Duck		•			
<i>Corvus brachyrhynchos</i>	American Crow	2000	•	•		
<i>Spinus tristis</i>	American Goldfinch	2000	•	•		
<i>Falco sparverius</i>	American Kestrel		•			
<i>Setophaga ruticilla</i>	American Redstart		•			
<i>Turdus migratorius</i>	American Robin	2000	•	•		
<i>Mareca americana</i>	American Wigeon		•			
<i>Scolopax minor</i>	American Woodcock		•			
<i>Icterus galbula</i>	Baltimore Oriole		•			
<i>Riparia riparia</i>	Bank Swallow	2017	•		•	THR
<i>Hirundo rustica</i>	Barn Swallow		•			THR
<i>Megasceryle alcyon</i>	Belted Kingfisher		•			
<i>Coccyzus erythrophthalmus</i>	Black-billed Cuckoo		•			
<i>Poecile atricapillus</i>	Black-capped Chickadee		•			
<i>Cyanocitta cristata</i>	Blue Jay	2000	•	•		
<i>Poliophtila caerulea</i>	Blue-gray Gnatcatcher	2015	•	•		
<i>Anas discors</i>	Blue-winged Teal		•			
<i>Dolichonyx oryzivorus</i>	Bobolink		•			THR
<i>Certhia americana</i>	Brown Creeper		•			
<i>Toxostoma rufum</i>	Brown Thrasher		•			
<i>Molothrus ater</i>	Brown-headed Cowbird		•			
<i>Branta canadensis</i>	Canada Goose		•			
<i>Aythya valisineria</i>	Canvasback		•			
<i>Thryothorus ludovicianus</i>	Carolina Wren		•			
<i>Bombycilla cedrorum</i>	Cedar Waxwing	2000	•	•		
<i>Setophaga pensylvanica</i>	Chestnut-sided Warbler		•			
<i>Chaetura pelagica</i>	Chimney Swift	2017	•	•		THR
<i>Spizella passerine</i>	Chipping Sparrow		•			

Scientific Name	Common Name	YEAR	ABBO	TRCA	NHIC	SARO List
<i>Petrochelidon pyrrhonota</i>	Cliff Swallow		•			
<i>Quiscalus quiscula</i>	Common Grackle	2000	•	•		
<i>Chordeiles minor</i>	Common Nighthawk		•			
<i>Quiscalus quiscula</i>	Common Grackle		•			
<i>Sterna hirundo</i>	Common Tern		•			
<i>Geothlypis trichas</i>	Common Yellowthroat		•			
<i>Accipiter cooperii</i>	Cooper's Hawk		•			
<i>Phalacrocorax auratus</i>	Double Crested Cormorant		•			
<i>Picoides pubescens</i>	Downy Woodpecker		•			
<i>Tyrannus tyrannus</i>	Eastern Kingbird	2015	•	•		
<i>Sturnella magna</i>	Eastern Meadowlark		•			THR
<i>Sayornis phoebe</i>	Eastern Phoebe		•			
<i>Megascops asio</i>	Eastern Screech-Owl		•			
<i>Pipilo erythrophthalmus</i>	Eastern Towhee		•			
<i>Contopus virens</i>	Eastern Wood-Pewee	No year	•		•	SC
<i>Sturnus vulgaris</i>	European Starling		•			
<i>Spizella pusilla</i>	Field Sparrow		•			
<i>Mareca strepera</i>	Gadwall		•			
<i>Dumetella carolinensis</i>	Gray Catbird	2015	•	•		
<i>Myiarchus crinitus</i>	Great Crested Flycatcher		•			
<i>Ardea alba</i>	Great Egret		•			
<i>Bubo virginianus</i>	Great Horned Owl		•			
<i>Butorides virescens</i>	Green Heron		•			
<i>Picoides villosus</i>	Hairy Woodpecker	2015	•	•		
<i>Lophodytes cucullatus</i>	Hooded Merganser		•			
<i>Eremophila alpestris</i>	Horned Lark		•			
<i>Carpodacus mexicanus</i>	House Finch		•			
<i>Passer domesticus</i>	House Sparrow	2000	•	•		
<i>Troglodytes aedon</i>	House Wren		•			

Scientific Name	Common Name	YEAR	ABBO	TRCA	NHIC	SARO List
<i>Passerina cyanea</i>	Indigo Bunting		•			
<i>Charadrius vociferus</i>	Killdeer		•			
<i>Empidonax minimus</i>	Least Flycatcher		•			
<i>Setophaga magnolia</i>	Magnolia Warbler		•			
<i>Anas platyrhynchos</i>	Mallard	2000	•	•		
<i>Zenaida macroura</i>	Mourning Dove		•			
<i>Geothlypis philadelphia</i>	Mourning Warbler		•			
<i>Cygnus olor</i>	Mute Swan		•			
<i>Leiothlypis ruficapilla</i>	Nashville Warbler		•			
<i>Cardinalis cardinalis</i>	Northern Cardinal	2000	•	•		
<i>Colaptes auratus</i>	Northern Flicker	2015	•	•		
<i>Mimus polyglottos</i>	Northern Mockingbird		•			
<i>Stelgidopteryx serripennis</i>	Northern Rough-winged Swallow		•			
<i>Anas clypeata</i>	Northern Shoveler		•			
<i>Parkesia noveboracensis</i>	Northern Waterthrush		•			
<i>Icterus spurius</i>	Orchard Oriole		•			
<i>Falco peregrinus</i>	Peregrine Falcon		•			SC
<i>Podilymbus podiceps</i>	Pied-billed Grebe		•			
<i>Dryocopus pileatus</i>	Pileated Woodpecker		•			
<i>Spinus pinus</i>	Pine Siskin		•			
<i>Setophaga pinus</i>	Pine Warbler		•			
<i>Progne subis</i>	Purple Martin		•			
<i>Melanerpes carolinus</i>	Red-bellied Woodpecker		•			
<i>Sitta canadensis</i>	Red-breasted Nuthatch		•			
<i>Vireo olivaceus</i>	Red-eyed Vireo	2015	•	•		
<i>Melanerpes erythrocephalus</i>	Red-headed Woodpecker		•			SC
<i>Podiceps grisegena</i>	Red-necked Grebe		•			
<i>Buteo jamaicensis</i>	Red-tailed Hawk		•			
<i>Agelaius phoeniceus</i>	Red-winged Blackbird	2000	•	•		

Scientific Name	Common Name	YEAR	ABBO	TRCA	NHIC	SARO List
<i>Larus delawarensis</i>	Ring-billed Gull		•			
<i>Phasianus colchicus</i>	Ring-necked Pheasant		•			
<i>Columba livia</i>	Rock Pigeon		•			
<i>Pheucticus ludovicianus</i>	Rose-breasted Grosbeak		•			
<i>Archilochus colubris</i>	Ruby-throated Hummingbird		•			
<i>Passerculus sandwichensis</i>	Savannah Sparrow		•			
<i>Piranga olivacea</i>	Scarlet Tanager		•			
<i>Accipiter striatus</i>	Sharp-shinned Hawk		•			
<i>Melospiza melodia</i>	Song Sparrow	2000	•	•		
<i>Porzana carolina</i>	Sora		•			
<i>Actitis macularius</i>	Spotted Sandpiper		•			
<i>Melospiza georgiana</i>	Swamp Sparrow	2015	•	•		
<i>Tachycineta bicolor</i>	Tree Swallow		•			
<i>Cathartes aura</i>	Turkey Vulture		•			
<i>Catharus fuscescens</i>	Veery		•			
<i>Rallus limicola</i>	Virginia Rail		•			
<i>Vireo gilvus</i>	Warbling Vireo	2000	•	•		
<i>Sitta carolinensis</i>	White-breasted Nuthatch	2015	•	•		
<i>Empidonax alnorum</i>	Willow Flycatcher		•			
<i>Troglodytes hiemalis</i>	Winter Wren		•			
<i>Aix sponsa</i>	Wood Duck	2015	•	•		
<i>Hylocichla mustelina</i>	Wood Thrush		•			SC
<i>Setophaga petechia</i>	Yellow Warbler		•			
<i>Sphyrapicus varius</i>	Yellow-bellied Sapsucker		•			
<i>Coccyzus americanus</i>	Yellow-billed Cuckoo		•			
<i>Vireo flavifrons</i>	Yellow-throated Vireo		•			

SARO: Species at Risk List Ontario; THR: Threatened; SC: Special Concern

Table 3: Atlas of Mammals (1970 – 1993), TRCA and BCI (no year provided) List of Mammal Species for the Study Area

Scientific Name	Common Name	YEAR (TRCA)	TRCA	AMO	BCI	SARO List
<i>Eptesicus fuscus</i>	Big Brown Bat			•	•	
<i>Canis latrans</i>	Coyote			•		
<i>Tamias striatus</i>	Eastern Chipmunk			•		
<i>Sylvilagus floridanus</i>	Eastern Cottontail			•		
<i>Lasiurus borealis</i>	Eastern Red Bat				•	
<i>Myotis leibii</i>	Eastern Small-footed Myotis				•	END
<i>Lepus europaeus</i>	European Hare			•		
<i>Sciurus carolinensis</i>	Gray Squirrel	2000	•	•		
<i>Lasiurus cinereus</i>	Hoary Bat				•	
<i>Mus musculus</i>	House Mouse			•		
<i>Myotis lucifugus</i>	Little Brown Myotis				•	END
<i>Zapus hudsonius</i>	Meadow Jumping Mouse			•		
<i>Microtus pennsylvanicus</i>	Meadow Vole			•		
<i>Mustela vison</i>	Mink			•		
<i>Ondatra zibethicus</i>	Muskrat	2015	•	•		
<i>Myotis septentrionalis</i>	Northern Long-eared Myotis				•	END
<i>Procyon lotor</i>	Raccoon			•		
<i>Vulpes</i>	Red Fox			•		
<i>Tamiasciurus hudsonicus</i>	Red Squirrel			•		
<i>Lasionycteris noctivagans</i>	Silver-haired Bat			•	•	
<i>Mephitis mephitis</i>	Striped Skunk			•		
<i>Perimyotis subflavus</i>	Tri-Colored Bat				•	END
<i>Didelphis virginiana</i>	Virginia Opossum			•		
<i>Odocoileus virginianus</i>	White-tailed Deer			•		
<i>Marmota monax</i>	Woodchuck			•		

SARO: Species at Risk List Ontario; END: Endangered

Table 4: ORAA, TRCA and NHIC list of Amphibian and Reptile Species for the Study Area (year of most recent record listed)

Scientific Name	Common Name	YEAR	ORAA	TRCA	NHIC	SARO List
Amphibians						
<i>Lithobates catesbeianus</i>	American Bullfrog	2012	•			
<i>Anaxyrus americanus</i>	American Toad	2018	•	•		
<i>Plethodon cinereus</i>	Eastern Red-backed Salamander	2018	•	•		
<i>Hemidactylum scutatum</i>	Four-toed Salamander	1913	•			
<i>Hyla versicolor</i>	Gray Treefrog	1983	•			
<i>Lithobates clamitans</i>	Green Frog	2018	•	•		
<i>Ambystoma laterale</i> -(2) <i>jeffersonianum</i>	Jefferson/Blue-spotted Salamander Complex	1983	•			END
<i>Necturus maculosus</i>	Mudpuppy	2014	•			
<i>Lithobates pipiens</i>	Northern Leopard Frog	2018	•	•		
<i>Lithobates palustris</i>	Pickerel Frog	1922	•			
<i>Notophthalmus viridescens viridescens</i>	Red-spotted Newt	1983	•			
<i>Ambystoma maculatum</i>	Spotted Salamander	1995	•			
<i>Pseudacris crucifer</i>	Spring Peeper	2007	•			
<i>Pseudacris triseriata</i>	Western Chorus Frog	2016	•			
<i>Lithobates sylvaticus</i>	Wood Frog	2016	•			
Reptiles						
<i>Emydoidea blandingii</i>	Blanding's Turtle	2017	•	•		THR
<i>Chelydra serpentina</i>	Common Snapping Turtle	2018	•	•	•	SC
<i>Storeria dekayi</i>	Dekay's Brownsnake	2019	•	•		
<i>Thamnophis sirtalis sirtalis</i>	Eastern Gartersnake	2018	•	•		
<i>Heterodon platirhinow</i>	Eastern Hog-nosed Snake	1916	•			THR
<i>Sternotherus odoratus</i>	Eastern Musk Turtle	1952	•			SC
<i>Thamnophis sauritus</i>	Eastern Ribbonsnake	1931	•		•	SC
<i>Chrysemys picta marginata</i>	Midland Painted Turtle	2018	•	•		
<i>Lampropeltis triangulum</i>	Milksnake	2018	•			
<i>Graptemys geographica</i>	Northern Map Turtle	2018	•			SC

<i>Nerodia sipedon</i>	Northern Watersnake	2015	•			
<i>Regina septemvittata</i>	Queensnake	1858			•	END
<i>Storeria occipitomaculata</i>	Red-bellied Snake	1988	•			
<i>Trachemys scripta elegans</i>	Red-eared Slider	2016	•			
<i>Diadophis punctatus</i>	Ring-necked Snake	1988	•			
<i>Opheodrys vernalis</i>	Smooth Greensnake	2016	•	•		

SARO: Species at Risk List Ontario; END: Endangered; THR: Threatened; SC: Special Concern

Table 5: OBA and NHIC Insect List of Species for the Study Area

Scientific Name	Common Name	YEAR	OBA	NHIC	SARO List
<i>Satyrium acadica</i>	Acadian Hairstreak	1899	•		
<i>Nicrophorus americanus</i>	American Burying Beetle	1896		•	EXP
<i>Lycaena phlaeas</i>	American Copper	1900	•		
<i>Vanessa virginiensis</i>	American Lady	1900	•		
<i>Libytheana carinenta</i>	American Snout	1987	•		
<i>Speyeria aphrodite</i>	Aphrodite Fritillary	1901	•		
<i>Lethe appalachia</i>	Appalachian Brown	1918	•		
<i>Speyeria atlantis</i>	Atlantis Fritillary	1917	•		
<i>Celastrina sp.</i>	Azure sp.	1901	•		
<i>Euphydryas phaeton</i>	Baltimore Checkerspot	1924	•		
<i>Satyrium calanus</i>	Banded Hairstreak	1899	•		
<i>Euphyes conspicua</i>	Black Dash	2004	•		
<i>Papilio polyxenes</i>	Black Swallowtail	1924	•		
<i>Poanes viator</i>	Broad-winged Skipper	1923	•		
<i>Lycaena hyllus</i>	Bronze Copper	1902	•		
<i>Pieris rapae</i>	Cabbage White	1901	•		
<i>Papilio canadensis</i>	Canadian Tiger Swallowtail	2017	•		
<i>Pontia protodice</i>	Checkered White	1924	•		
<i>Colias philodice</i>	Clouded Sulphur	1902	•		
<i>Phoebis sennae</i>	Cloudless Sulphur	2017	•		
<i>Erynnis lucilius</i>	Columbine Duskywing	1924	•		
<i>Junonia coenia</i>	Common Buckeye	1925	•		
<i>Pyrgus communis</i>	Common Checkered Skipper	1982	•		
<i>Coenonympha tullia</i>	Common Ringlet	1980	•		
<i>Pholisora catullus</i>	Common Sootywing	1961	•		
<i>Cercyonis pegala</i>	Common Wood-Nymph	1914	•		
<i>Nymphalis l-album</i>	Compton Tortoiseshell	1924	•		

Scientific Name	Common Name	YEAR	OBA	NHIC	SARO List
<i>Satyrium titus</i>	Coral Hairstreak	1926	•		
<i>Polites origenes</i>	Crossline Skipper	1904	•		
<i>Anatrytone logan</i>	Delaware Skipper	1961	•		
<i>Euphyes dion</i>	Dion Skipper	1982	•		
<i>Erynnis icelus</i>	Dreamy Duskywing	1901	•		
<i>Euphyes vestris</i>	Dun Skipper	1899	•		
<i>Polygonia comma</i>	Eastern Comma	1901	•		
<i>Papilio cressphontes</i>	Eastern Giant Swallowtail	1893	•		
<i>Callophrys niphon</i>	Eastern Pine Elfin	2006	•		
<i>Cupido comyntas</i>	Eastern Tailed Blue	1902	•		
<i>Papilio glaucus</i>	Eastern Tiger Swallowtail	1980	•		
<i>Satyrium edwardsii</i>	Edwards' Hairstreak	1898	•		
<i>Thymelicus lineola</i>	European Skipper	1960	•		
<i>Lethe eurydice</i>	Eyed Brown	1901	•		
<i>Hylephila phyleus</i>	Fiery Skipper	1961	•		
<i>Erynnis funeralis</i>	Funereal Duskywing	1999	•		
<i>Polystoechotes punctata</i>	Giant Lacewing	1934		•	
<i>Polygonia progne</i>	Gray Comma	1904	•		
<i>Strymon melinus</i>	Gray Hairstreak	1962	•		
<i>Speyeria cybele</i>	Great Spangled Fritillary	1901	•		
<i>Asterocampa celtis</i>	Hackberry Emperor	2017	•		
<i>Feniseca tarquinius</i>	Harvester	2010	•		
<i>Satyrium caryaevorus</i>	Hickory Hairstreak	1996	•		
<i>Poanes hobomok</i>	Hobomok Skipper	1902	•		
<i>Erynnis juvenalis</i>	Juvenal's Duskywing	1906	•		
<i>Plebejus melissa samuelis</i>	Karner Blue	1899	•		
<i>Ancyloxypha numitor</i>	Least Skipper	1918	•		
<i>Hesperia leonardus</i>	Leonard's Skipper	1902	•		
<i>Nymphalis antiopa lintnerii</i>	Lintner's Mourning Cloak	2012	•		

Scientific Name	Common Name	YEAR	OBA	NHIC	SARO List
<i>Pompeius verna</i>	Little Glassywing	1984	•		
<i>Megisto cymela</i>	Little Wood-Satyr	1901	•		
<i>Pyrisitia lisa</i>	Little Yellow	1924	•		
<i>Polites mystic</i>	Long Dash Skipper	1901	•		
<i>Urbanus proteus</i>	Long-Tailed Skipper	2012	•		
<i>Leptotes marina</i>	Marine Blue	2008	•		
<i>Boloria bellona</i>	Meadow Fritillary	1901	•		
<i>Aglais milberti</i>	Milbert's Tortoiseshell	1888	•		
<i>Danaus plexippus</i>	Monarch	1976	•		SC
<i>Erynnis martialis</i>	Mottled Duskywing	1901	•		END
<i>Nymphalis antiopa</i>	Mourning Cloak	1901	•		
<i>Pieris oleracea</i>	Mustard White	1935	•		
<i>Celastrina lucia</i>	Northern Azure	2012	•		
<i>Wallengrenia egeremet</i>	Northern Broken-Dash	1899	•		
<i>Thorybes pylades</i>	Northern Cloudywing	1980	•		
<i>Phyciodes cocyta</i>	Northern Crescent	1928	•		
<i>Nymphalis antiopa hyperborea</i>	Northern Mourning Cloak	2013	•		
<i>Lethe anhedon</i>	Northern Pearly-Eye	1982	•		
<i>Panoquina ocola</i>	Ocola Skipper	2012	•		
<i>Colias eurytheme</i>	Orange Sulphur	1888	•		
<i>Vanessa cardui</i>	Painted Lady	1909	•		
<i>Phyciodes tharos</i>	Pearl Crescent	1996	•		
<i>Polites peckius</i>	Peck's Skipper	1925	•		
<i>Battus philenor</i>	Pipevine Swallowtail	1922	•		
<i>Polygonia interrogationis</i>	Question Mark	1900	•		
<i>Vanessa atalanta</i>	Red Admiral	1901	•		
<i>Limenitis arthemis astyanax</i>	Red-spotted Purple	1926	•		
<i>Speyeria idalia</i>	Regal Fritillary	1911	•		
<i>Atalopedes campestris</i>	Sachem	2012	•		

Scientific Name	Common Name	YEAR	OBA	NHIC	SARO List
<i>Boloria selene</i>	Silver-bordered Fritillary	1918	•		
<i>Epargyreus clarus</i>	Silver-spotted Skipper	1801	•		
<i>Glaucopsyche lygdamus</i>	Silvery Blue	2002	•		
<i>Chlosyne nycteis</i>	Silvery Checkerspot	1901	•		
<i>Papilio troilus</i>	Spicebush Swallowtail	2002	•		
<i>Satyrium liparops</i>	Striped Hairstreak	1926	•		
<i>Polites themistocles</i>	Tawny-edged Skipper	1902	•		
<i>Euphyes bimacula</i>	Two-spotted Skipper	1926	•		
<i>Euptoieta claudia</i>	Variegated Fritillary	1888	•		
<i>Limenitis archippus</i>	Viceroy	1900	•		
<i>Limenitis arthemis arthemis</i>	White Admiral	1901	•		
<i>Erynnis baptisiae</i>	Wild Indigo Duskywing	1999	•		
<i>Eurytides marcellus</i>	Zebra Swallowtail	1896	•		

SARO: Species at Risk List Ontario; EXP: Extirpated; END: Endangered; SC: Special Concern

Table 6: LIO and NHIC Fish List of Species for the Study Area

Scientific Name	Common Name	YEAR	LIO	NHIC	SARO List
<i>Lethenteron appendix</i>	American Brook Lamprey	2011	•		
<i>Rhinichthys atratulus</i>	Blacknose Dace	2011	•		
<i>Notropis heterolepis</i>	Blacknose Shiner	2011	•		
<i>Pimephales notatus</i>	Bluntnose Minnow	2011	•		
<i>Hybognathus hankinsoni</i>	Brassy Minnow	2011	•		
<i>Culaea inconstans</i>	Brook Stickleback	2011	•		
<i>Ameiurus nebulosis</i>	Brown Bullhead	2011	•		
<i>Salmo trutta</i>	Brown Trout	2011	•		
<i>Cyprinus carpio</i>	Common Carp	2011	•		
<i>Luxilus cornutus</i>	Common Shiner	2011	•		
<i>Semotilus atromaculatus</i>	Creek Chub	2011	•		
<i>Etheostoma flabellare</i>	Fantail Darter	2011	•		
<i>Pimephales promelas</i>	Fathead Minnow	2011	•		
<i>Carassius auratus</i>	Goldfish	2011	•		
<i>Nocomis biguttatus</i>	Hornyhead Chub	2011	•		
<i>Etheostoma nigrum</i>	Johnny Darter	2011	•		
<i>Clinostomus elongtus</i>	Redside Dace	1991		•	END

SARO: Species at Risk List Ontario; END: Endangered

Appendix F
Utilities



Bell Canada Municipal Operations Centre - C/O TELECON DESIGN INC.
7777 Weston Rd,
Vaughan, Ontario L4L 0G9
Ph: (905) 569-2882

APPLICATION FOR PLANT LOCATION AND CONSENT

Applicant: Woodplc

Mark Up #:79259

Applicant Ref #: N/A

Location: Area bounded by Weston Rd, Scarlett Rd, Eglinton Ave W, Lavender Creek

SwitchingCenter/NNX: TORONTO-RUNNYMEDE/761

Date Received From Applicant: 2019-08-20

Marked By: Mahshid Zeinali

APPLICATION FOR PLANT LOCATION AND REQUEST

- Existing and/or proposed Bell Canada underground plant are indicated on the attached plan
- Our records show no existing and / or proposed underground plant within 2m of your proposed installation
- Conflict indicated
- Meets with our approval
- Not for PUCC approval - Mark up only
- If within 1 metre of Bell plant, hand dig

REMARKS: Call for locates 1.800.400.2255. Tie-in measurements are a guideline only and physical verification may be required by applicant to determine the true separation between plants. Maintain clearance of 0.6m. Hand dig when crossing Bell plant.

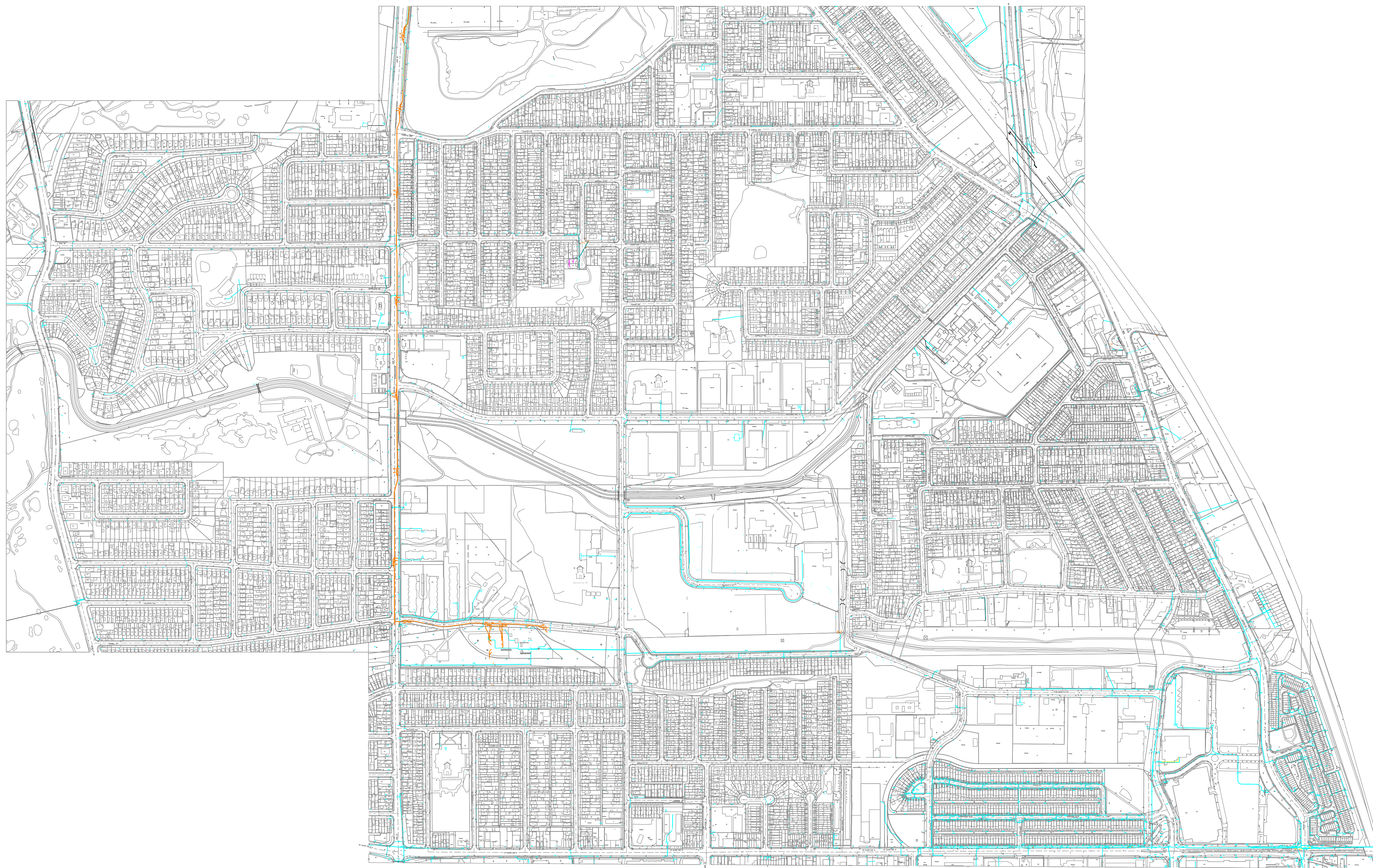
This markup is spanning a bridge and we cannot confirm at this time if our structure / cable are within or below the bridge. For more info please contact our Bell Canada Structures manager, Renee Bergeron at renee.bergeron@bell.ca.

PROCEDURES TO FOLLOW:

1. Request locates prior to construction 1-800-400-2255
2. If exact location and depth are critical - test pits are recommended
3. Bell Canada plant location information is approximate
4. If the location of your proposed design changes, it will be necessary to re-apply
5. Permits expire six(6) months from approval date

Signature:
Mahshid Zeinali

Date:
September 24, 2019



THU2019-01965CN 8/21/2019 INFORMATION ONLY

THU2019-01965CN
ADDRESS: BLACK CREEK AT ROCKCLIFFE SPECIAL POLICY AREA FLOOD
REMEDATION AND TRANSPORTATION

This drawing is for planning purpose only, not for construction.
A locate must be completed in the field to identify Toronto Hydro infrastructure if needed.
Any proposed UG structures must maintain 300mm vertical & 600mm horizontal clearance
Edge to edge from all Toronto Hydro's Underground plant 600mm from Hydro pole.
Any proposed trees must maintain min. 1000mm horizontal clearance from Hydro plant.
Hydro plant should not be undermined.
Please contact our COS Dept. @ 416-542-2533 for disconnect. Equipment removal
before any construction
For pole relocation please e-mail to utility.relocations@torontohydro.com.
Any cost of pole relocation will be the responsibility of developer.
Shorings, Tiebacks, Piling within 1000mm or Blasting within 500mm is deemed a conflict
that requires a professional Engineering report to resolve.

Turquoise set of lines indicates Hydro's UG duct banks and cables
only where widths('W') & heights('H') have been reported on the public
allowance.'DB reported here (if any) mean 'direct-buried' cable outside of any concrete
duct bank encasements unless proven to the contrary during any field inspections.
Turquoise shape indicate either manholes (CC's), normal or submersible vaults - all of which
are to be considered underground Hydro items of infrastructure until proven to the contrary
by field inspections!
*TR's (if any) indicate U/G hydro trenches for which no precise details are available.
Turquoise solid dots indicates Hydro pole, 'SG' (if any) indicates Guy Wires.

Orange shapes & lines indicate newly-proposed or installed underground hydro infrastructure.

Planning & Coordination, Toronto Hydro. Date: 8/21/2019

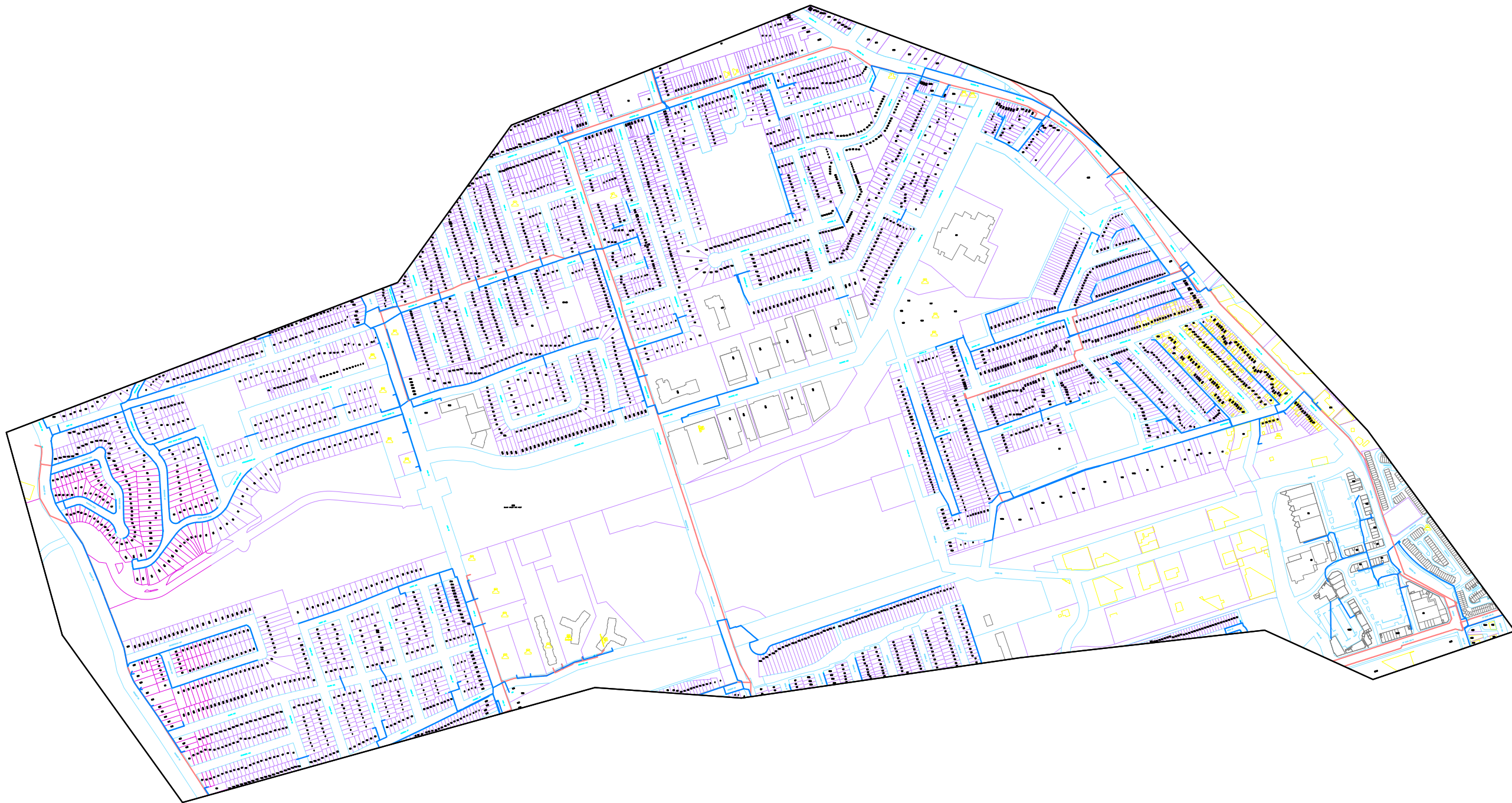
HYDRO ASSET LEGEND	
PROPOSED HYDRO ASSETS:	
PROPOSED HYDRO TRENCH	---
PROPOSED HYDRO DIRECT BURIED DUCT BANK	---
PROPOSED HYDRO CONCRETE ENCASED DUCT BANK ('C' & 'H' WITH 'W' & 'H')	---
PROPOSED HYDRO POLE	●
PROPOSED HYDRO MANHOLE	○
PROPOSED HYDRO TIEBACK	---
PROPOSED HYDRO CABLE CHAMBER	□
EXISTING HYDRO ASSETS:	
EXISTING HYDRO TRENCH	---
EXISTING HYDRO DIRECT BURIED DUCT BANK	---
EXISTING HYDRO CONCRETE ENCASED DUCT BANK ('C' & 'H' WITH 'W' & 'H')	---
EXISTING HYDRO POLE	●
EXISTING HYDRO MANHOLE	○
EXISTING HYDRO TIEBACK	---
EXISTING HYDRO CABLE CHAMBER OR MANHOLE	□
PROPOSED REMOVED HYDRO ASSETS:	
PROPOSED REMOVED HYDRO TRENCH	---
PROPOSED REMOVED HYDRO DIRECT BURIED DUCT BANK	---
PROPOSED REMOVED HYDRO CONCRETE ENCASED DUCT BANK ('C' & 'H' WITH 'W' & 'H')	---
PROPOSED REMOVED HYDRO POLE	●
PROPOSED REMOVED HYDRO MANHOLE	○
PROPOSED REMOVED HYDRO TIEBACK	---
PROPOSED REMOVED HYDRO CABLE CHAMBER OR MANHOLE	□
RETIRED IN-PLACE HYDRO ASSETS:	
RETIRED IN-PLACE HYDRO TRENCH	---
RETIRED IN-PLACE HYDRO DIRECT BURIED DUCT BANK	---
RETIRED IN-PLACE HYDRO CONCRETE ENCASED DUCT BANK ('C' & 'H' WITH 'W' & 'H')	---
RETIRED IN-PLACE HYDRO POLE	●
RETIRED IN-PLACE HYDRO MANHOLE	○
RETIRED IN-PLACE HYDRO TIEBACK	---
RETIRED IN-PLACE HYDRO CABLE CHAMBER OR MANHOLE	□
PROPOSED TO BE RELOCATED HYDRO ASSETS:	
PROPOSED TO BE RELOCATED HYDRO TRENCH	---
PROPOSED TO BE RELOCATED HYDRO DIRECT BURIED DUCT BANK	---
PROPOSED TO BE RELOCATED HYDRO CONCRETE ENCASED DUCT BANK ('C' & 'H' WITH 'W' & 'H')	---
PROPOSED TO BE RELOCATED HYDRO POLE	●
PROPOSED TO BE RELOCATED HYDRO MANHOLE	○
PROPOSED TO BE RELOCATED HYDRO TIEBACK	---
PROPOSED TO BE RELOCATED HYDRO CABLE CHAMBER OR MANHOLE	□

SUPERVISOR / THESL CA : CLAUDIO BELLISARIO, DANNY CANDITO, DAVE GRAHAM, JOHN EGAN, DAVID LEONCE, SAFIK REMTULA, DOMENIC ZURZOLO, NICK PIGNATARI, SAM HIFAWI, GIRMA TEWOLDE

DESIGNER / CONTRACTOR : JOHN NICOLUCCI, POWERLINE PLUS LTD., DPM ENERGY INC., ABDUL BESHNA, FAI CHAN, PATRICIA SOBIERA, SAJAL VARMA, GILLIAN WARD, LEON WONG M

PROJECT NAME : W11813 - PLANT RELOCATION, W19140 IRVING TISSUE RUNNYMEDE TS - SUPPLY EXPANSION, W12285 CSP TX & CONDUCTOR REPL. PH2 11M5, W18502 POLE REPLACEMENT - MULTILOCATIONS-STAGE2OF2, W17243 SCADAMATE R1 REPLACMENT, W18502 POLE REPLACEMENT - MULTILOCATIONS-STAGE2OF2, W18588 FEEDER RELOCATION AT RUNNYMEDE TS, W15650 11M3 FEEDER REBUILD PH3 - AECON, X13694 KS

SCOPE REFERENCE NUMBER : W18510, W18374, W17506



- Existing Buried Coaxial cable
- Existing Buried Fibre cable
- Existing Aerial Coaxial cable
- Existing Aerial Fibre cable
- ⊗ Existing Rogers Manhole
- Existing Rogers Ground Level Box
- ⊗ Existing Rogers Bldg Attachment
- ⊞ Existing Rogers Flush Mount
- ⊗ Existing Rogers Pedestal
- ⊗ Existing Bell Manhole
- ⊗ Existing Hydro Manhole
- ⊗ Existing Joint Use Pole
- ⊗ Existing Hydro Pole
- Existing Pole
- Existing Manhole

CALL FOR LOCATES
1-800-738-7893

CAUTION
HAND DIG WHEN CROSSING ROGERS
HAND DIG IF WITHIN 1M OF ROGERS PLANT

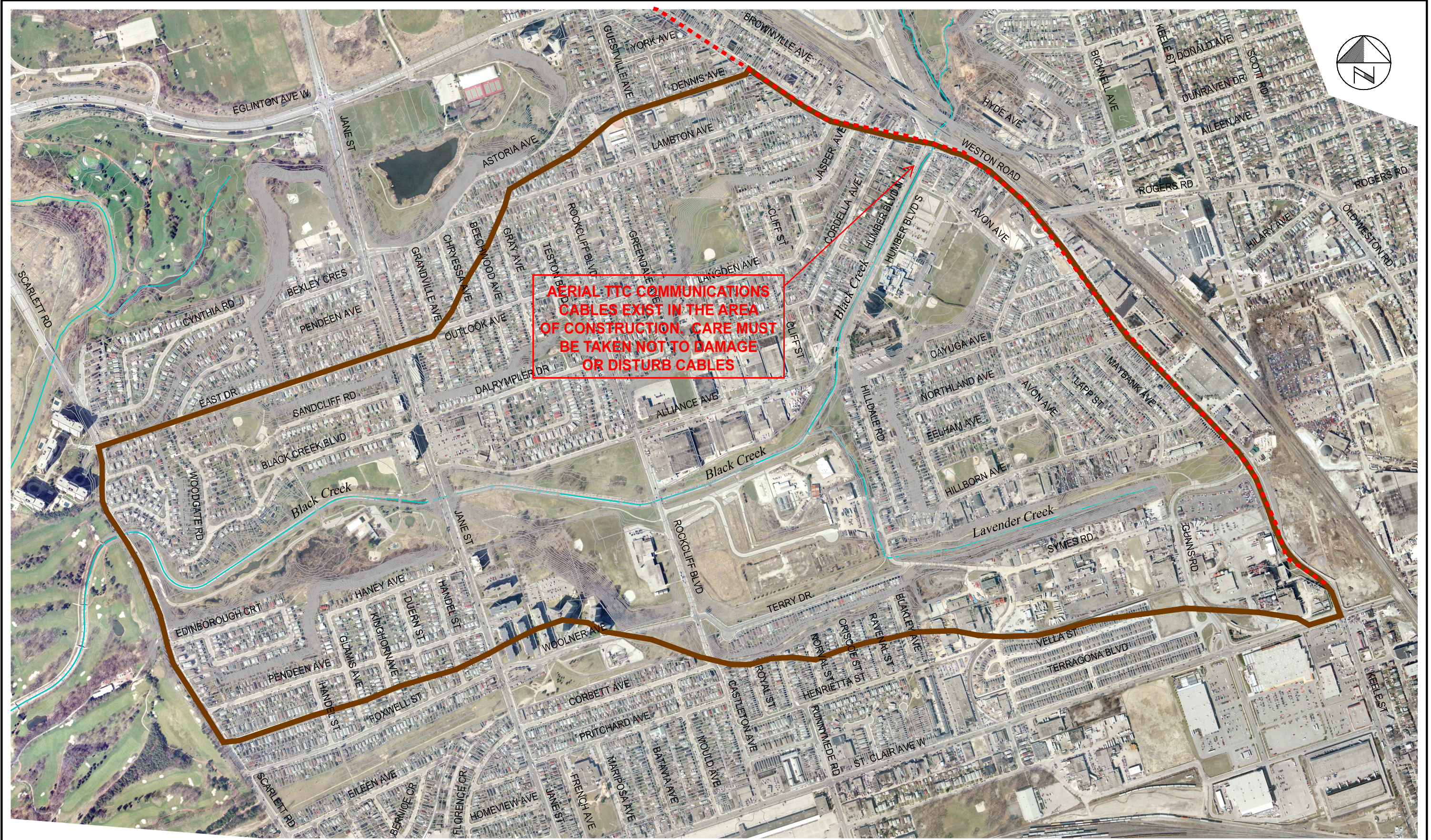
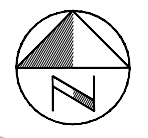
NOTE:
PLANT IS TO APPROXIMATION
PLAN NOT TO SCALE

Rogers File # - T195851

Planning Assistant - Philip Chen



Plotted: 2019-08-13
 Last Saved: 2019-07-26
 Path: P:\2019\Projects\FB198079 - Black Creek At Rockcliffe SPA Flood Remediation\06_DES-ENG\01_CAD\02_DWGS\05_WR\01_PROJ\2019-08\Fig_StudyArea.dwg



**AERIAL TTC COMMUNICATIONS
 CABLES EXIST IN THE AREA
 OF CONSTRUCTION. CARE MUST
 BE TAKEN NOT TO DAMAGE
 OR DISTURB CABLES**

LEGEND

	STUDY AREA
	PARCEL FABRIC
	WATERCOURSE
	CONTOUR (1m)

FLOOD REMEDIATION AND
 TRANSPORTATION FEASIBILITY
 STUDY OF ROCKVILLE
 SPECIAL POLICY AREA
 TRCA

STUDY AREA
 PLAN



SCALE VALID ONLY FOR
 24"x36" VERSION

Scale 1:4500
 0 50 100 200

Consultant File No.
 TPB198079

Figure No.

TTC 600V OVERHEAD
 TTC 600V DC STREETCAR OVERHEAD EXISTS ON St. Clair Ave. W.
 STAMP 2

TTC TRACK BONDING
 UNDERGROUND TRACK BONDING CABLES ARE CLOSE TO PROPOSED WORK AREA. CABLES ARE NOT TO BE DISTURBED.
 STAMP 6

STRUCTURAL POLE BASES
 POLES WITH STRUCTURAL POLE BASES HAVING A 3M RADIUS OR GREATER EXISTS CLOSE TO THE PROPOSED WORK AREA. THEY SUPPORT TTC STREETCAR OVERHEAD AND CARE MUST BE TAKEN NOT TO DISTURB OR DAMAGE THIS INFRASTRUCTURE.
 STAMP 3A

SIDE POLES ALONG ST. CLAIR AVE. W. IN WORK AREA MAY CONTAIN POLE POCKETS (2Mx2M)

TTC UNDERGROUND INFRASTRUCTURE
 TTC UNDERGROUND ELECTRICAL INFRASTRUCTURE EXISTS IN THE PROPOSED AREA OF CONSTRUCTION. CARE MUST BE TAKEN NOT TO DAMAGE OR DISTURB THIS INFRASTRUCTURE.
 STAMP 5

POLES
 POLES SUPPORTING TTC STREETCAR OVERHEAD EXISTS CLOSE TO PROPOSED WORK AREA. ANY POLE SUPPORTING TTC STREETCAR OVERHEAD WITHIN 1 METRE OF AN EXCAVATION MUST BE SUPPORTED TO PREVENT ANY MOVEMENT OF POLE AND /OR OVERHEAD PLANT.
 STAMP 3

POLE / OVERHEAD WORK REQUIRED
 WHERE TTC POLE AND/OR OVERHEAD WORK IS REQUIRED, A WRITTEN PROPOSAL CONTAINING LOCATION DRAWINGS AND SPECIFICATIONS FOR REQUESTED ALTERATIONS SHALL BE SUBMITTED TO THE COMMISSION PRIOR TO FINAL DESIGN.
 STAMP 4

TTC 600V DC (W/ SUPPORTING OCS) EXIST IN WORK AREA ALONG ST. CLAIR AVE. W. (ROW)

TTC UG NEGATIVE FEEDERS EXIST ALONG ST. CLAIR AVE. W IN WORK AREA FROM CHAMBER SC66 TO SC67. NEGATIVE FEEDER 17N4-30N9 FROM CHAMBER 15074 (@ KEELE ST) TO STREETCAR TRACK @ KEELE ST. & ST. CLAIR AVE. W. INTERSECTION

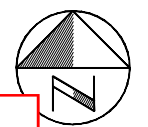
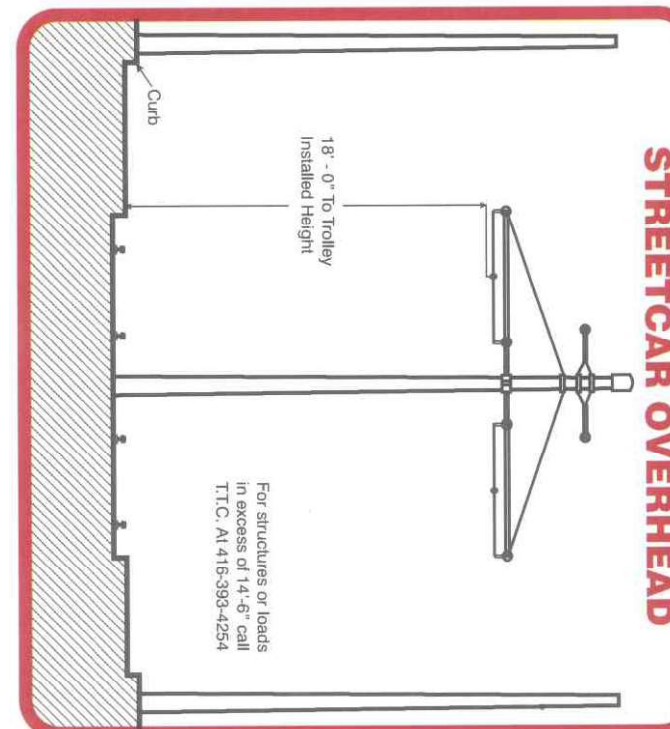
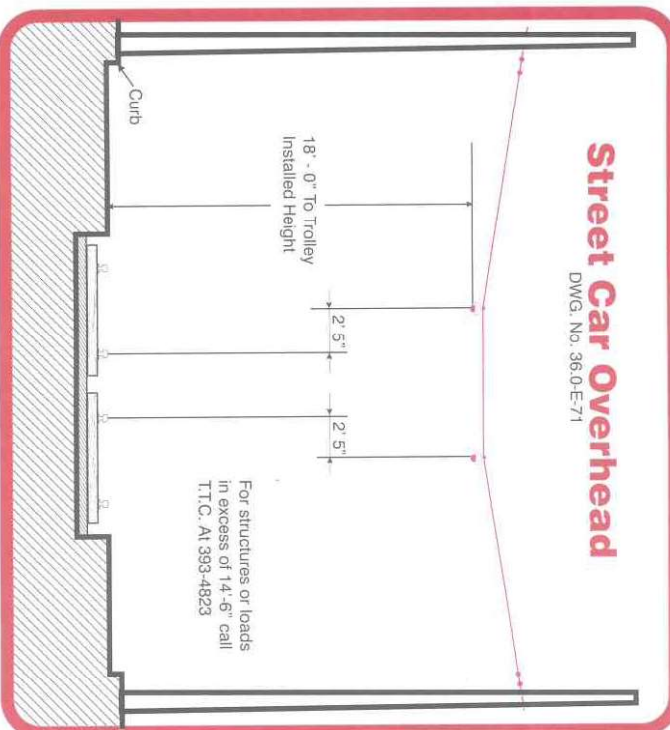
TTC MARKUPS
 THE INFORMATION PROVIDED AND MARKED ON DRAWINGS SHALL NOT BE TAKEN AS EXACT. SITE INSPECTION, STAKE-OUT, AND /OR OTHER MEANS OF VERIFICATION SHALL BE UNDERTAKEN FOR CONFIRMATION. INFORMATION ON DEPTH OF COVER IS NOT AVAILABLE. EXPOSURE BY NON MECHANICAL MEANS IS MANDATORY WHERE EXCAVATION IS IN CLOSE PROXIMITY TO TTC PLANT.
 STAMP 9A

EQUILIZER BOND EXISTS @ WEST OF KEELE ST. ALONG ST. CLAIR AVE. W. NEGATIVE LOOP CABLE ON STREETCAR TRACKS EXISTS AT KEELE ST. & ST. CLAIR AVE. W. INTERSECTION

TREE CLEARANCE
 TREES TO BE PLANTED NO CLOSER THAN 3 METERS FROM POLES SUPPORTING TTC STREETCAR OVERHEAD. AT MATURITY TREES ARE NOT TO INTERFERE WITH TTC OVERHEAD PLANT.
 STAMP 11

TTC ACCESS FOR MAINTENANCE VEHICLES
 POLES SUPPORTING TTC OVERHEAD SHALL BE ACCESSIBLE BY OVERHEAD TRUCK FOR MAINTENANCE WITH SUFFICIENT CLEARANCE AROUND POLES FOR TRUCKS TO MANEUVER INTO POSITION. TTC IS NOT RESPONSIBLE FOR DAMAGE TO STRUCTURES IN SIDEWALK CAUSED BY WEIGHT OF OVERHEAD TRUCK (APPROXIMATE GROSS VEHICLE WEIGHT OF OVERHEAD TRUCK IS 16500 KG)
 STAMP 10

TTC UG POSITIVE FEEDERS EXIST ALONG ST. CLAIR AVE. W IN WORK AREA FROM CHAMBER SC66 TO SC70 (VIA SC67, SC68, SC69). RISERS FROM SC67 TO NORTHSIDE POLE AND SC68 TO POLE T188C



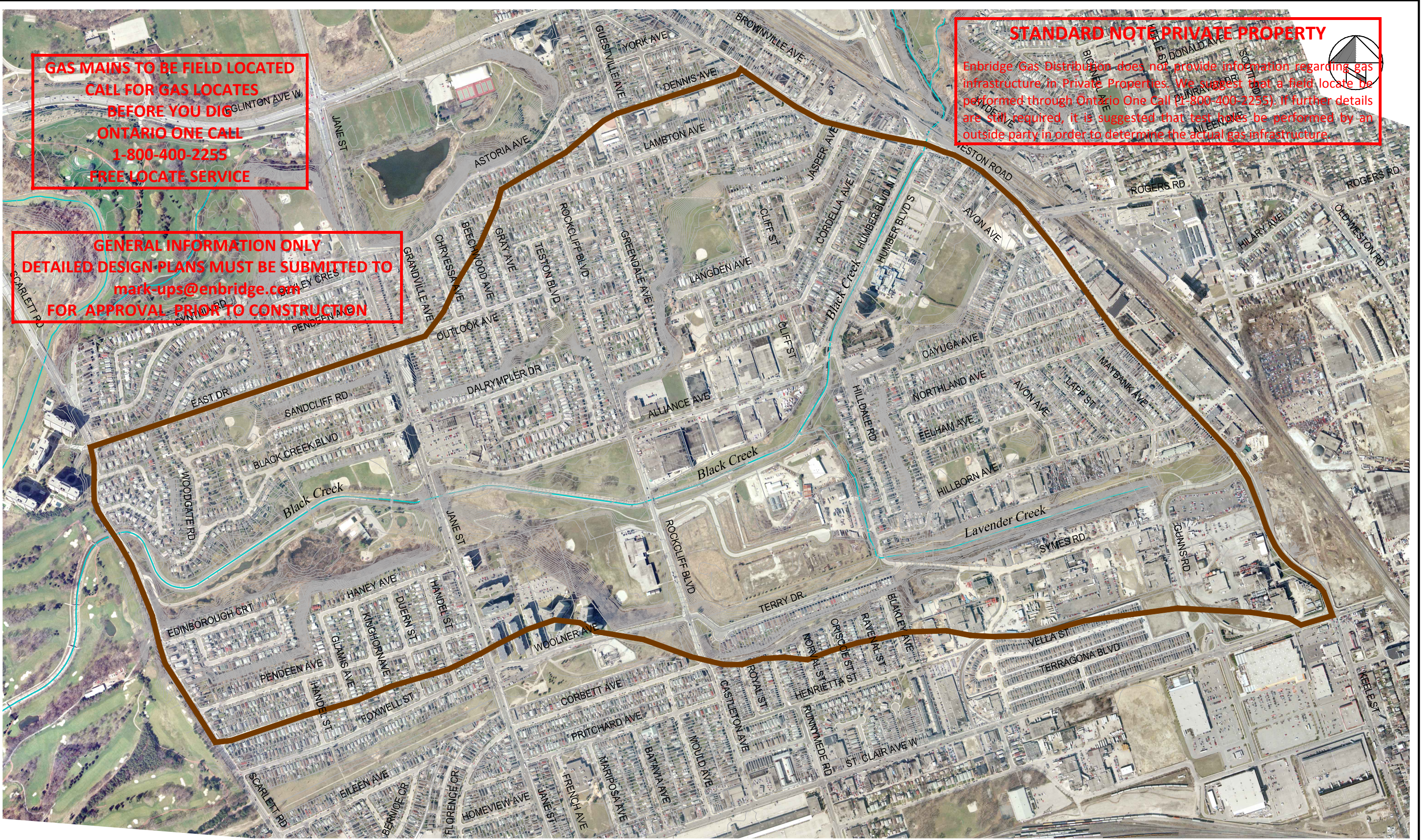
FLOOD REMEDIATION AND TRANSPORTATION FEASIBILITY STUDY OF ROCKVILLE SPECIAL POLICY AREA TRCA

PLAN



SCALE VALID ONLY FOR 24"x36" VERSION
 Scale 1:4500
 0 50 100 200
 Consultant File No. TPB198079
 Figure No.

Plotted: 2019-08-13
Last Saved: 2019-07-26
Path: P:\2019\Projects\FB198079 - Black Creek At Rockcliffe SPA Flood Remediation\06_DES-ENG\01_CAD\02_DWGS\05_WR\01_PROJ\2019-08\Fig_StudyArea.dwg



**GAS MAINS TO BE FIELD LOCATED
CALL FOR GAS LOCATES
BEFORE YOU DIG
ONTARIO ONE CALL
1-800-400-2255
FREE LOCATE SERVICE**

**GENERAL INFORMATION ONLY
DETAILED DESIGN PLANS MUST BE SUBMITTED TO
mark-ups@enbridge.com
FOR APPROVAL PRIOR TO CONSTRUCTION**

STANDARD NOTE PRIVATE PROPERTY
Enbridge Gas Distribution does not provide information regarding gas infrastructure in Private Properties. We suggest that a field locate be performed through Ontario One Call (1-800-400-2255). If further details are still required, it is suggested that test holes be performed by an outside party in order to determine the actual gas infrastructure.



LEGEND

	STUDY AREA
	PARCEL FABRIC
	WATERCOURSE
	CONTOUR (1m)

FLOOD REMEDIATION AND
TRANSPORTATION FEASIBILITY
STUDY OF ROCKVILLE
SPECIAL POLICY AREA
TRCA

STUDY AREA
PLAN



SCALE VALID ONLY FOR
24"x36" VERSION

Scale	1:4500
Consultant File No.	TPB198079
Figure No.	