

Date: January 25th , 2021

Attention: **Shelby White**

RE: Request for Comments

File No.: **D30-027-2021**

Related Files:

Applicant: Innovative Planning Solutions

Location 157 Ardagh Road



Discover the possibilities

COMMENTS:

- We have reviewed the proposed Application for Zoning By-law Amendment and have no comments or objections to its approval.
- We have reviewed the proposed Application for Zoning By-law Amendment and have no objections to its approval, subject to the following comments (attached below).
- We have reviewed the proposed Application for Zoning By-law Amendment and have the following concerns (attached below).

Alectra Utilities (formerly PowerStream) has received and reviewed the proposed Application for Zoning By-law Amendment. This review, however, does not imply any approval of the project or plan.

We have no objection to the zoning change with the understanding the new project must meet the clearances from our lines. In the event that the building commences construction, and the clearance between any component of the building structure and the adjacent existing overhead and underground electrical distribution system violates the Occupational Health and Safety Act, the customer will be responsible for 100% of the costs associated with Alectra making the work area safe. All construction work will be required to stop until the safe limits of approach can be established.

In the event the building is completed, and the clearance between the building and the adjacent existing overhead and underground electrical distribution system violates the any of applicable standards, acts or codes referenced, the customer will be responsible for 100% of Alectra's cost for any relocation work.

The customer will be responsible for contacting our New Connections department. Based on the characteristics (type) of project and size this will determine if a Service Design (Layout) or an Industrial Commercial or Institutional project (ICI) Service Application Information form will be required. Alectra will provide required standards upon request. This will avoid delays in the building process.

References:

- Ontario Electrical Safety Code, latest edition (Clearance of Conductors from Buildings)
- Ontario Health and Safety Act, latest edition (Construction Protection)
- Ontario Building Code, latest edition (Clearance to Buildings)
- PowerStream (Construction Standard 03-1, 03-4), attached
- Canadian Standards Association, latest edition (Basic Clearances)

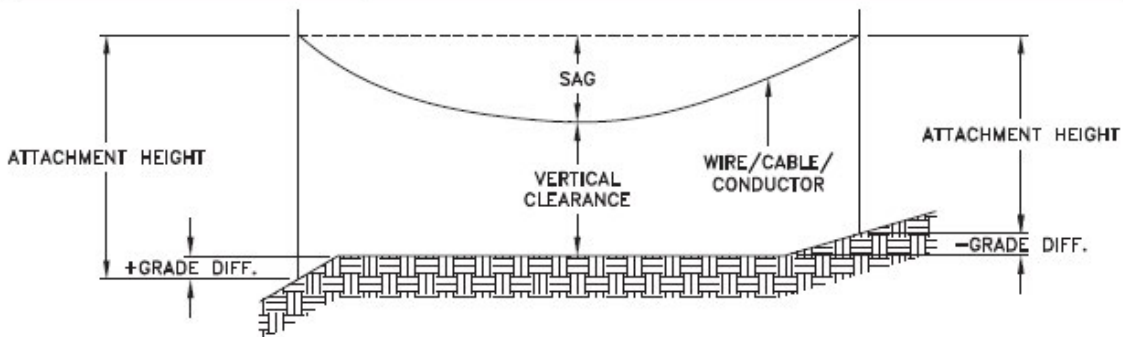
If more information is required, please contact:

Mr. Stephen Cranley
Supervisor, Distribution Design, ICI & Layouts (North)

Phone: 1-877-963-6900 ext. 31297

E-mail: stephen.cranley@alectrautilities.com

LOCATION OF WIRES, CABLES OR CONDUCTORS	SYSTEM VOLTAGE			
	SPAN GUYS AND COMMUNICATIONS WIRES	UP TO 600V AND NEUTRAL	4.16/2.4kV TO 27.6/16kV (SEE NOTE 1)	44kV
	MINIMUM VERTICAL CLEARANCES (SEE NOTE 2)			
OVER OR ALONGSIDE ROADS, DRIVEWAYS OR LANDS ACCESSIBLE TO VEHICLES	442cm	442cm	480cm	520cm
OVER GROUND ACCESSIBLE TO PEDESTRIANS AND BICYCLES ONLY	250cm	310cm	340cm	370cm
ABOVE TOP OF RAIL AT RAILWAY CROSSINGS	730cm	730cm	760cm	810cm



MINIMUM ATTACHMENT HEIGHT = MAXIMUM SAG
 + MINIMUM VERTICAL CLEARANCE (FROM ABOVE TABLE)
 ± GRADE DIFFERENCE
 + 0.3m (VEHICLE OR RAILWAY LOCATION)
 + SNOW DEPTH (PEDESTRIAN LOCATION, SEE NOTE 3)

NOTES:

1. THE MULTIGROUNDED SYSTEM NEUTRAL HAS THE SAME CLEARANCE AS THE 600V SYSTEM.
2. THE VERTICAL CLEARANCES IN THE ABOVE TABLE ARE UNDER MAXIMUM SAG CONDITIONS.
3. REFER TO CSA STANDARD C22.3 No.1, ANNEX D FOR LOCAL SNOW DEPTH VALUES.
4. ALL CLEARANCES ARE IN ACCORDANCE TO CSA STANDARD C22.3.

CONVERSION TABLE

METRIC	IMPERIAL (APPROX)
810cm	27'-0"
760cm	25'-4"
730cm	24'-4"
520cm	17'-4"
480cm	16'-0"
442cm	15'-5"
370cm	12'-4"
340cm	11'-4"
310cm	10'-4"
250cm	8'-4"

MINIMUM VERTICAL CLEARANCES OF WIRES, CABLES AND CONDUCTORS ABOVE GROUND OR RAILS

ORIGINAL ISSUE DATE: 2010-DEC-24 REVISION NO: R1 REVISION DATE: 2012-JAN-09

REFERENCES

SAGS AND TENSIONS SECTION 02

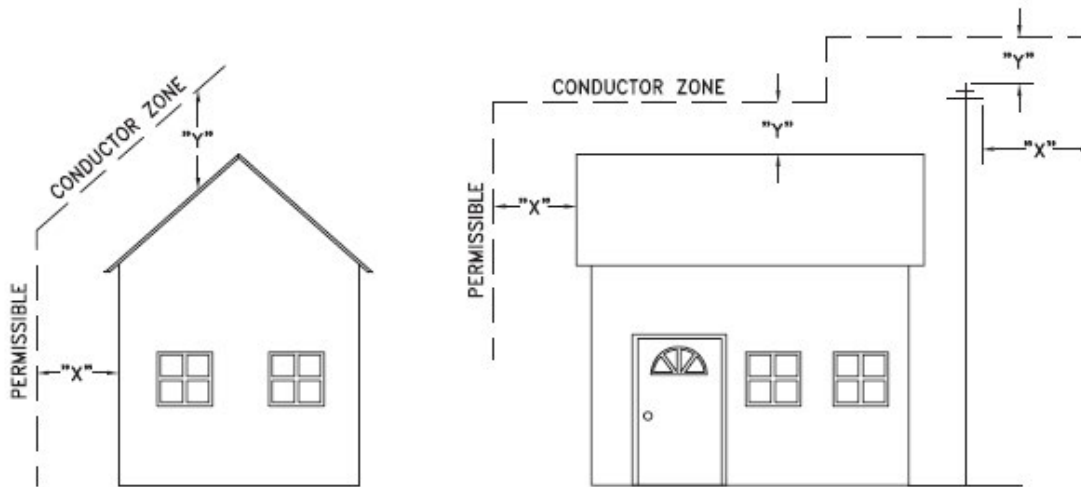
Certificate of Approval

This construction Standard meets the safety requirements of Section 4 of Regulation 22/04

Joe Crozier, P.Eng. 2012-JAN-09

Name Date

P.Eng. Approval By: Joe Crozier



VOLTAGE	MINIMUM HORIZONTAL CLEARANCE UNDER MAXIMUM SWING CONDITIONS DIMENSION "X" (SEE NOTES 1, 3 & 4)	MINIMUM VERTICAL CLEARANCE UNDER MAXIMUM DESIGN SAG CONDITIONS DIMENSION "Y" (SEE NOTES 1, 2, 4 & 5)
0-600V AND NEUTRAL	100cm	250cm
4.16/2.4 TO 44kV	300cm	480cm

NOTES

1. UNDER NO CIRCUMSTANCES SHALL A CONDUCTOR BE PERMITTED TO PENETRATE THE ENVELOPE SHOWN BY THE DOTTED LINE.
2. THE VERTICAL CLEARANCES ARE UNDER CONDITIONS OF MAXIMUM DESIGN SAG.
3. THE HORIZONTAL CLEARANCES ARE UNDER CONDITIONS OF MAXIMUM SWING. WHERE THE CONDUCTOR SWING IS NOT KNOWN A HORIZONTAL CLEARANCE OF 480CM SHALL BE USED.
4. BUILDINGS THAT EXCEED 3 STOREYS OR 15M IN HEIGHT, THE MINIMUM HORIZONTAL CLEARANCE OF THE SECONDARY CONDUCTORS SHOULD BE INCREASED TO 300cm WHERE IT IS NECESSARY TO ALLOW FOR THE RAISING OF LADDERS BY LOCAL FIRE DEPARTMENTS.
5. IN SITUATIONS SUCH AS MULTI-LEVEL GARAGES, WHERE ROOFS ARE NORMALLY USED BY PERSONS AND VEHICLES, THE VERTICAL CLEARANCES OF POWERSTREAM STANDARD 03-1 SHALL APPLY.
6. DISTRIBUTION LINES CONSTRUCTED NEAR BUILDINGS SHALL BE BUILT TO AVOID OVERHANG WHEREVER POSSIBLE. WHERE LINES MUST BE CONSTRUCTED OVER OR ADJACENT TO BUILDINGS THE APPLICABLE HORIZONTAL AND VERTICAL CLEARANCES SHALL BE AT CONDITIONS OF MAXIMUM CONDUCTOR SWING AND MAXIMUM SAG. THE ABOVE CLEARANCES ARE DESIGNED TO PREVENT PERSONS ON OR IN BUILDINGS AS WELL AS EXTERNAL MACHINERY USED IN CONJUNCTION WITH A BUILDING TO COME IN CONTACT WITH CONDUCTORS. EFFORTS SHOULD BE MADE TO INCREASE THESE CLEARANCES WHERE POSSIBLE.
7. ALL CLEARANCES ARE IN ACCORDANCE TO CSA C22.3 NO.1-06 (TABLE-9).

METRIC	IMPERIAL (APPROX)
480cm	16'-0"
300cm	10'-0"
250cm	8'-4"
100cm	3'-4"

MINIMUM VERTICAL & HORIZONTAL CLEARANCES OF CONDUCTORS FROM BUILDINGS OR OTHER PERMANENT STRUCTURES (CONDUCTORS NOT ATTACHED TO BUILDINGS)

Certificate of Approval
This construction Standard meets the safety requirements of Section 4 of Regulation 22/04
Debbie Dadwani, P.Eng. 2010-MAY-05
Name Date
P.Eng. Approval By: *D. Dadwani*

ORIGINAL ISSUE DATE: 2010-MAY-05 REVISION NO: REVISION DATE:
P:\System Planning and Standards\Standard Design\PowerStream Standards\PowerStream Standards working folder\Section 23-4\WG 03-4 R0 May 5, 2010.dwg, 5/5/2010 8:27:02 AM, Adobe PDF

From: Dorton, Peter (MTO) <

Sent: Thursday, February 10, 2022 1:09 PM

To: Tina Gonneau <Tina.Gonneau@barrie.ca>; Shelby White <Shelby.White@barrie.ca>

Cc: Blaney, Cameron (MTO) <Cameron.Blaney@ontario.ca>

Subject: RE: Notice Complete & Public Meeting - 157 Ardagh Rd (D30-027-2021)

Hi Tina / Shelby:

This site is beyond MTO permit control area.

Our review and approvals are not required.

Thanks,

Peter Dorton

Senior Project Manager

Ministry of Transportation

Central Operations, Highway Corridor Management Section

159 Sir William Hearst Avenue, 7th Floor

Toronto, ON M3M 0B7

Cell: (437) 833 - 9396

E-Mail: peter.dorton@ontario.ca

Web: www.mto.gov.on.ca/english/engineering/management/corridor



March 1st, 2022

City of Barrie File: D30-027-2021
LSRCA File No. ZO-88141-061121

Shelby White, Planner
Development Services, City of Barrie
70 Collier Street, P.O. Box 400,
Barrie ON,
L4M 4T5

Sent by E-mail to: shelby.white@barrie.ca

Dear Shelby White:

Re: Proposed Application for Zoning By-law Amendment
Owner: Data Tamer Inc., c/o Michael Lato
Agent: Innovative Planning Solutions (IPS)
157 Ardagh Road, City of Barrie

Thank you for circulating the subject application to the Lake Simcoe Region Conservation Authority (LSRCA) for review and comment. We understand that this Zoning By-law Amendment application has been made to rezone the subject property from the 'Residential Single Detached Dwelling Second Density (R2)' Zone to the 'Residential Multiple Dwelling First Density (RM1)' Zone. This, to permit the development of two (2) low density semi-detached dwelling units.

Documents Received and Reviewed by Staff

Staff have received and reviewed the following documents submitted with this application:

- Notice of Complete Application and Notice of Public Meeting, dated Feb. 10th, 2022
- Agent's Cover Letter, dated Dec. 23, 2021
- Planning Justification Report, prepared by IPS, dated Dec. 2021
- Conceptual Site Plan, prepared by IPS, dated Oct. 7th, 2021

Staff have reviewed this application as per our delegated responsibility from the Province to represent provincial interests regarding natural hazards identified in Section 3.1 of the Provincial Policy Statement (PPS, 2020) and as a regulatory authority under Ontario Regulation 179/06. The applications have also been reviewed through our role as a public body under the Planning Act as per our CA Board approved policies.

Recommendation

Based on our review of the submitted information, in support of this application, we have no objection at this time to the proposed Zoning By-law Amendment. We are satisfied from a watershed management perspective that this application is in conformity with the natural hazard policies of the PPS, and those relevant provincial, and local plans, such as the Lake Simcoe Protection Plan (LSPP).

Site Characteristics

The subject property is not within a Regulated Area, as per Ontario Regulation 179/06 of the *Conservation Authorities Act*.

The subject property is designated as 'Residential' by the City of Barrie Official Plan and is zoned 'Residential Single Detached Dwelling Second Density (R2)' by the City of Barrie Zoning By-law 2009-141.



Delegated Responsibility and Statutory Comments:

1. LSRCA has reviewed the applications through our delegated responsibility from the Province to represent provincial interests regarding natural hazards identified in Section 3.1 of the Provincial Policy Statement (2020).

This proposal has demonstrated consistency with Section 3.1 of the PPS.

2. LSRCA has reviewed the applications as per our responsibilities as a regulatory authority under Ontario Regulation 179/06. This regulation, made under Section 28 of the *Conservation Authorities Act*, enables conservation authorities to regulate development in or adjacent to river or stream valleys, Great Lakes and inland lake shorelines, watercourses, hazardous lands and wetlands. Development taking place on these lands may require permission from the conservation authority to confirm that the control of flooding, erosion, dynamic beaches, pollution or the conservation of land are not affected. LSRCA also regulates the alteration to or interference in any way with a watercourse or wetland.

Ontario Regulation 179/06 does not apply to the subject property, therefore, an LSRCA permit is not required.

Summary

Based on our review of the submitted information, in support of this application, we have no objection at this time to the proposed Zoning By-law Amendment. We are satisfied from a watershed management perspective that this application is in conformity with the natural hazard policies of the PPS, and those relevant provincial, and local plans, such as the Lake Simcoe Protection Plan (LSPP).

Given the above comments, it is the opinion of the LSRCA that:

1. Consistency with Section 3.1 of the PPS has been demonstrated.
2. Ontario Regulation 179/06 is not applicable. LSRCA permit is not required.

Should you have any questions concerning these comments, please do not hesitate to contact the undersigned referencing the above file numbers in any correspondence. Please advise our office of any decision made with regard to this matter.

Sincerely,



Liam Munnoch
Planner 1, LSRCA