



The Corporation of the City of Temiskaming Shores
Regular Meeting of Council
Tuesday, December 19, 2023 – 6:00 p.m.
City Hall – Council Chambers – 325 Farr Drive

Agenda

1. **Land Acknowledgement**
2. **Call to Order**
3. **Roll Call**
4. **Review of Revisions or Deletions to Agenda**
5. **Approval of Agenda**

Draft Resolution

Moved by: Councillor
Seconded by: Councillor

Be it resolved that City Council approves the agenda as printed / amended.

6. **Disclosure of Pecuniary Interest and General Nature**

7. Public Meetings pursuant to the Planning Act, Municipal Act and other Statutes

a) Potential Disposition of Land

Applicant: Matthew Krul and Melissa Doy

Property: Portion of Nineth Street, and a portion of two laneways (unopened road allowances)

Purpose: The applicant owns the land adjacent to Nineth Street, and a portion of two laneways (unopened road allowances), and is seeking to acquire the subject properties to have contiguous property ownership to construct a residential dwelling

8. Review and adoption of Council Minutes

Draft Resolution

Moved by: Councillor

Seconded by: Councillor

Be it resolved that City Council approves the following minutes as printed:

- a) Regular Council Meeting – November 21, 2023;
- b) Special Committee of the Whole Meeting (budget) – November 28, 2023; and
- c) Committee of the Whole Meeting - December 5, 2023.

9. Presentations / Delegations

a) **Presentation – 2024 Municipal Operating and Capital Budget**

Draft Resolution

Moved by: Councillor

Seconded by: Councillor

Be it resolved that the Council of the City of Temiskaming Shores hereby acknowledges the presentation of the 2024 Operating and Capital Budget.

10. Correspondence/ Communications

- a) Federation of Northern Ontario Municipalities

Re: Letter regarding Ontario ECHO Skin and Wound Care, 2023-11-13

Reference: Received for Information

- b) Prince Edward County

Re: Resolution regarding proposal to expand the use of the permit-by-rule to waste management systems, storm water management systems and certain water taking activities, 2023-11-17

Reference: Received for Information

- c) Town of Orangeville

Re: Resolution regarding Ontario Works Financial Assistance Rates, 2023-11-20

Reference: Received for Information

- d) Municipality of South Bruce

Re: Resolution regarding Ontario Association of Sewage Industry Services (OASIS), 2023-09-25

Reference: Received for Information

- e) Township of Coleman

Re: Resolution regarding Conservation Officer Reclassification, 2023-11-20

Reference: Received for Information

- f) Northern Policy Institute

Re: Closing the Gap: How 2+1 Roads Can Save Time, Lives and Taxpayer Dollars, 2023-11-27

Reference: Received for Information

- g) Town of Plympton-Wyoming

Re: Resolution regarding support to revoke Strong Mayor Power and Increase in the Leave to Construct Threshold, 2023-12-01

Reference: Received for Information

- h) Federation of Northern Ontario Municipalities

Re: Letter regarding the Recognition and Thanks to Chief Daniel Foy and Chief Scott Tod for their commitment to Bail Reform and the impacts of Property Damage in Northern Communities, 2023-12-02

Reference: Received for Information

- i) Ministry of Children, Community and Social Services

Re: Ontario News Release regarding Investing in Programs to Prevent and Address Gender-based Violence, 2023-12-06

Reference: Received for Information

- j) Cindy Dube, Director, Zack's Crib

Re: Letter regarding Zack's Crib Soft Opening, 2023-12-04

Reference: Received for Information

- k) Clearview Township

Re: Resolution regarding Cemetery Transfer/Abandonment Administration & Management, 2023-12-12

Reference: Received for Information

- l) Yvon Champoux, Building Contractor

Re: Application to Purchase Municipal Land, 2023-12-06

Reference: Referred to the Clerk to process in accordance with By-law No. 2015-160, Policy for the Disposal of Real Property

- m) Rivard Bros., Building Contractor

Re: Application to Purchase Municipal Land, 2023-12-07

Reference: Referred to the Clerk to process in accordance with By-law No. 2015-160, Policy for the Disposal of Real Property

Draft Resolution

Moved by: Councillor

Seconded by: Councillor

Be it resolved that the Council for the City of Temiskaming Shores agrees to deal with Communications Items 10 a) though m) in accordance with agenda references.

11. Committees of Council – Community and Regional

Draft Resolution

Moved by: Councillor

Seconded by: Councillor

Be it resolved that the following minutes be accepted for information:

- a) Minutes of the New Liskeard Business Improvement Area Board of Management meeting held on November 15, 2023;
- b) Minutes of the Committee of Adjustment meeting held on September 27, 2023;
- c) Minutes from the Temiskaming Shores Public Library Board meeting held on October 25, 2023; and
- d) Minutes from the Community Safety Well-Being (CSWB) Housing Workgroup held on November 29, 2023.

12. Reports by Members of Council

13. Notice of Motions

14. New Business

- a) **Administrative Report No. CS-050-2023 – ZBA-2023-03: JK Development GP2 Limited on behalf of Abdul Khaliq and 2844371 Ontario Inc; 121 Davidson Street and adjacent land to the southeast**

Draft Resolution

Moved by: Councillor

Seconded by: Councillor

Be it resolved that Council for the City of Temiskaming Shores acknowledges receipt of Administrative Report CS-050-2023;

That Council agrees with the recommendation of the applicant's Planner to amend the provisions of the City of Temiskaming Shores Zoning By-law No. 2017-154, to permit the zone change from Community Facilities (CF) to High Density Residential Exception 20 (R4-20); and

That Council directs staff to prepare the necessary by-law to amend the City of Temiskaming Shores Zoning By-law No. 2017-154, for consideration at the December 19, 2023 Regular Council meeting.

- b) **Proclamation - National Alzheimer Awareness Month – January 2024**

Draft Resolution

Moved by: Councillor

Seconded by: Councillor

Whereas Alzheimer Awareness Month is recognized during the month of January 2024 to raise awareness about Alzheimer's disease and other forms of dementia; and

Whereas Alzheimer's disease is a degenerative brain disorder that most often occurs in people over the age of 65, but can occur in adults in their 30's, 40's and 50's; and

Whereas there are over 630,000 Canadians living with Alzheimer's disease with a projected almost 1 million Canadians living with dementia by 2031; and

Whereas the Alzheimer Society Cochrane-Temiskaming provides programs and services to all citizens of Cochrane-Temiskaming district; and

Whereas the Alzheimer Society Cochrane-Temiskaming encourages Council, residents, business and services in the City of Temiskaming Shores to break the stigma and fear of exclusion attached to Alzheimer and dementia, and build their community into a Dementia Friendly Community that supports those living with dementia to maintain an active role in our community, to take part in new things and to continue activities they enjoy with confidence.

Be it resolved that Council for the City of Temiskaming Shores hereby declares the Month of January 2024 as Alzheimer Awareness month in the in the City of Temiskaming Shores.

c) **Resolution of Support – Water Treatment Training (Correspondence from the November 21, 2023 Regular Council Meeting)**

Draft Resolution

Moved by: Councillor

Seconded by: Councillor

Whereas Council for the Town of Rainy River adopted a resolution regarding Water Treatment Training, at their regular meeting on October 10, 2023; and

Whereas the Province of Ontario has implemented stringent review of water treatment plants to ensure compliance; and

Whereas the Province of Ontario is promoting and providing an increased number of training opportunities for a variety of trades.

Be it resolved that the Council for the City of Temiskaming Shores supports the Town of Rainy River's petition to the Province of Ontario to expand water treatment training opportunities for communities within Ontario; and

That the training be delivered in a method that is flexible and affordable, and utilizing existing networks, such as Contact North, for on-line exam preparation and exam supervision; and

Further that a copy of this resolution be forwarded to the Honourable Doug Ford, Premier of Ontario; the Honourable Andrea Khanjin, Minister of Environment, Conservation and Parks; the Walkerton Clean Water Centre; and the Town of Rainy River.

d) **Resolution of Support – Amendment to the Legislation Act, 2006 to include digital publications (Correspondence from the November 21, 2023 Regular Council Meeting)**

Draft Resolution

Moved by: Councillor

Seconded by: Councillor

Whereas Council for the Municipality of Wawa adopted a resolution regarding an amendment to the Legislation Act, 2006 to include digital publications, at their regular meeting on November 7, 2023; and

Whereas the Legislation Act, 2006 provides a definition of "newspaper" which applies to every Ontario Act Regulation, as in a provision requiring publication, means a document that, (a) is printed in sheet form, published at regular intervals of a week or less and circulated to the public, and (b) consists primarily of news of current events of general interest; ("journal"); and

Whereas Ontario Municipalities are required to follow publication and notice requirements for Provincial Acts and Regulations; and

Whereas some small rural Ontario Municipalities may not have the means to bring an application to the Court to ask for directions and approval of an alternate manner of providing notice.

Be it resolved that Council of the City of Temiskaming Shores supports the Municipality of Wawa's request to make an amendment to the Legislation Act, 2006, to include digital publications as an acceptable means of publication and notice requirements for Provincial Acts and Regulations; and

Further that a copy of this resolution be forwarded to the Honourable Paul Calandra, Minister of Municipal Affairs and Housing; the Association of Ontario Municipalities (AMO); and the Municipality of Wawa.

e) **Resolution of Support – Firefighters Tax Credit (Correspondence from the November 21, 2023 Regular Council Meeting)**

Draft Resolution

Moved by: Councillor

Seconded by: Councillor

Whereas Council for the Municipality of Wawa adopted a resolution regarding Firefighters Tax Credit, at their regular meeting on November 7, 2023; and

Whereas Canada has 90,000 volunteer firefighters who provide fire and all hazard emergency services to their communities; in addition, approximately 8,000 essential search and rescue volunteers respond to thousands of incidents every year; and

Whereas many of these individuals receive some form of pay on call, an honorarium, or are given some funding to cover expenses, but they do not draw a living wage from firefighting; and

Whereas without volunteer firefighters and search and rescue volunteers, thousands of communities in Canada would have no fire and emergency response coverage; and

Whereas in 2013, the federal government initiated a tax credit recognizing these individuals, and calling on the federal government to increase this tax credit from \$3,000 to \$10,000; and

Whereas volunteer firefighters account for 71 percent of Canada's total firefighting essential first responders;

- The tax code of Canada currently allows volunteer firefighters and search and rescue volunteers to claim a \$3,000 tax credit if 200 hours of volunteer services were completed in a calendar year;

Be it resolved that Council of City of Temiskaming Shores supports the Municipality of Wawa's call upon the Government of Canada to support Bill C-310, and enact amendments to subsections 118.06 (2) and 118.07 (2) of the Income Tax Act to increase the amount of the tax credits for volunteer firefighting and search and rescue volunteer services from \$3,000 to \$10,000; and

Further that a copy of the resolution be shared with the Association of Fire Chiefs of Ontario, Association of Municipalities of Ontario, and the Municipality of Wawa.

f) **Resolution of Support – Preparation of Bill regarding passing on double/two solid yellow lines (Correspondence from the November 21, 2023 Regular Council Meeting)**

Draft Resolution

Moved by: Councillor

Seconded by: Councillor

Whereas Council for the Township of Eanturel adopted a resolution regarding the preparation of a bill for making it illegal to pass on double/two solid yellow lines, at their regular meeting on November 9, 2023; and

Whereas police services in Ontario do not currently have the legal tools to penalize the dangerous maneuver of vehicles passing vehicular traffic on the left on two solid yellow lines; and

Whereas this dangerous maneuver has had devastating effects on the residents of Northern Ontario Municipalities which centre around Highways 11 and 17, and who must use these highways as main thoroughfares; and

Whereas Guy Bourgoûin, MPP Mushkegowuk-James Bay, is preparing a Bill to make it completely illegal for a vehicle to pass on the left side of a lane when it is marked with two solid yellow lines.

Be it resolved that Council for the City of Temiskaming Shores supports the Township of Eanturel's endorsement of the preparation of this very important bill; and

That a copy of this resolution be forwarded to Guy Bourgoûin, MPP for Mushkegowuk-James Bay.

g) **2024 Municipal Operating Budget**

Draft Resolution

Moved by: Councillor

Seconded by: Councillor

Whereas staff presented the 2024 Municipal Operating Budget to Council at a Special Committee of the Whole meeting on November 28th, 2023.

Be it resolved that Council for the City of Temiskaming Shores hereby adopts in principle its 2024 Municipal Operating Budget utilizing a ____ (2.5%, 3% or 3.5%) percent increase to the Municipal Tax Levy for operations and an increase to the Water/Wastewater Rates utilizing an increase; and

Further that Council hereby adopts, in principle, the 2024 General Operating Budget estimates as follows:

Department	Net Budget Estimates
General Government	\$2,708,977
Policing	2,175,242
Health & Social Services	3,051,548
Fire & Emergency Management	538,168
Economic Development	335,331
Recreation	1,710,034
Property Maintenance	599,554
Public Works and Solid Waste Management	4,624,331

Transit	397,988
Libraries	426,104
Capital Financing	950,537
OMPF	<u>(3,391,600)</u>
Net Municipal Operations	\$14,126,214

And further that Council adopts, in principle, the 2024 Environmental Operating Budget estimates as follows:

Department	Net Budget Estimates
Administration	\$1,094,128
Sewage Treatment & Collection	1,066,934
Water Treatment & Distribution	2,007,543
Capital Financing	<u>684,204</u>
Net Environmental Operations	\$4,852,809

h) **2024 Municipal Capital Budget**

Draft Resolution

Moved by: Councillor

Seconded by: Councillor

Whereas staff presented the 2024 Municipal Capital Budget to Council at a Special Committee of the Whole meeting on November 28th, 2023; and

Be it resolved that Council hereby adopts, in principle, the 2024 General Capital Budget estimates as follows:

Department	Budget Estimates
Corporate Services	\$277,480
Fire & Emergency Management	65,000
Public Works and Solid Waste	2,886,194
Recreation Services	1,141,038
Property Maintenance	385,500
Fleet	338,580
Transit	<u>573,000</u>
General Capital Project Total	\$5,666,792

And further that Council hereby adopts, in principle, the 2024 Environmental Capital Budget estimates as follows:

Department	Budget Estimates
Environmental Projects	\$906,520

i) **Memo No. 031-2023-CS – Amendment to Fees By-law No. 2012-039 – Schedule “B” Cemetery Fees**

Draft Resolution

Moved by: Councillor

Seconded by: Councillor

Be it resolved that Council for the City of Temiskaming Shores acknowledges receipt of Memo No. 031-2023-CS; and

Council directs staff prepare the necessary By-law amend Schedule “B” Cemetery Fees to By-law No. 2012-039 (Departmental User Fees) as amended, to update the License fee (i.e. Bereavement Authority of Ontario Consumer Protection Fee), for consideration at the December 19, 2023 Regular Council meeting.

j) **Administrative Report No. CS-051-2023 – eScribe Meeting Software**

Draft Resolution

Moved by: Councillor

Seconded by: Councillor

Be it resolved that Council for the City of Temiskaming Shores acknowledges receipt of Administrative Report CS-051-2023; and

That Council directs staff to prepare the necessary by-law to enter into a 3-year agreement with eScribe Software Ltd. for meeting management software, within the Canoe Procurement Group, via SHI at a total cost of \$33,643 plus applicable taxes, for consideration at the December 19, 2023 Regular Council meeting.

k) **Administrative Report No. CS-052-2023 – Animal Care and Control Fees**

Draft Resolution

Moved by: Councillor

Seconded by: Councillor

Be it resolved that Council for the City of Temiskaming Shores acknowledges receipt of Administrative Report CS-052-2023; and

That Council directs staff to prepare the necessary by-law to amend Schedule “A” Administration – Corporate Services fees to By-law No. 2012-039 (Departmental User Fees) as amended, to replace the Registration of Dogs and Cats fee table with a revised Animal Care and Control fee table, for consideration at the December 19, 2023 Regular Council meeting.

l) **Memo No. 034-2023-PW – Ministry of Transportation Permission to Construct (Uno Park Road)**

Draft Resolution

Moved by: Councillor

Seconded by: Councillor

Be it resolved that Council for the City of Temiskaming Shores acknowledges receipt of Memo No. 034-2023-PW; and

That Council delegate the authority to the Mayor and Clerk to sign the Permission to Construct Agreement with His Majesty the King in Right of Ontario, as represented by the Minister of Transportation, for the purpose of facilitating access for the replacement or rehabilitation to centreline culverts, various culvert extensions and culvert replacements, the improvements at Uno Park Road intersection, ditch locations and utility relocations.

m) **Memo No. 035-2023-PW – Spatial GIS and Mapping Data Sharing – Change in Dedicated Locator Service Provider**

Draft Resolution

Moved by: Councillor

Seconded by: Councillor

Be it resolved that Council for the City of Temiskaming Shores acknowledges receipt of Memo No. 035-2023-PW; and

That Council directs staff to prepare the necessary by-law to enter into a data sharing agreement with G-Tel Engineering for use of the Spatial GIS and Mapping data in electronic format, for the purpose of the Community Network Partners Dedicated Locator Regional Project for Fibre to The Home, for consideration at the December 19, 2023 Regular meeting.

n) **Administrative Report No. RS-029-2023 – Bucke Park RFP Award**

Draft Resolution

Moved by: Councillor

Seconded by: Councillor

Be it resolved that Council for the City of Temiskaming Shores acknowledges receipt of Administrative Report RS-029-2023; and

That Council directs staff to prepare the necessary by-law to enter into an agreement with Sylvain G. Gelineau for the lease of Bucke Park from January

1, 2024, to December 31, 2028 for the operation of a campground for consideration at the December 19, 2023, Regular Council meeting.

o) Administrative Report No. RS-030-2023 – Memorial Bench and Tree Policy Revision

Draft Resolution

Moved by: Councillor

Seconded by: Councillor

Be it resolved that Council for the City of Temiskaming Shores acknowledges receipt of Administrative Report RS-030-2023; and

That Council directs staff to repeal By-law 2020-114 and to prepare the necessary by-law to adopt a revised Memorial Bench and Tree Program Policy for consideration at the December 19, 2023, Regular Council Meeting.

p) Administrative Report No. RS-031-2023 – Shaver Park Donation

Draft Resolution

Moved by: Councillor

Seconded by: Councillor

Be it resolved that Council for the City of Temiskaming Shores acknowledges receipt of Administrative Report RS-031-2023; and

That Council directs staff to prepare the necessary by-law to enter into a funding agreement with the AC15 Hockey Tournament for a donation towards the refurbishment of the Shaver Park outdoor rink in the amount of \$50,000, for consideration at the December 19, 2023, Regular Council meeting.

q) Administrative Report No. RS-032-2023 – Animal Pound Request for Quotation (RFQ) Award

Draft Resolution

Moved by: Councillor

Seconded by: Councillor

Be it resolved that Council for the City of Temiskaming Shores acknowledges receipt of Administrative Report RS-032-2023; and

That Council directs staff to prepare the necessary by-law to enter into an agreement with 2782917 Ontario Inc. o/a Tem-Pro Construction for the renovation of the Haileybury Service Marina to an Animal Pound, with an upset

limit of \$74,000 plus applicable taxes, for consideration at the December 19, 2023, Regular Council meeting.

15. **By-Laws**

Draft Resolution

Moved by: Councillor

Seconded by: Councillor

Be it resolved that:

- | | |
|---------------------|--|
| By-law No. 2023-124 | Being a by-law to enter into a Data Sharing Agreement with G-Tel Engineering to use the Spatial GIS and Mapping data in electronic format for the purpose of the Community Network Partners Dedicated Locator Regional Project for Fibre to The Home |
| By-law No. 2023-125 | Being a by-law to enter into an agreement with Food Cycle Science Corporation for the supply and delivery of the FoodCycler product, and for assistance with the management of the Pilot Project (100 households) |
| By-law No. 2023-126 | Being a by-law to amend By-law No. 2019-016, as amended to enter into an agreement with Pedersen Construction (2013) Inc. for the rental of an Excavator complete with Operator for Water Break repairs at various locations (One-Year Extension - December 31, 2024) |
| By-law No. 2023-127 | Being a by-law to repeal By-law No. 2017-103 to adopt a Terms of Reference for the Temiskaming Shores Splash Pad Committee |
| By-law No. 2023-128 | Being a by-law to amend By-law No. 2012-039, as amended, to adopt Schedules of Departmental User Fees and Services for the City of Temiskaming Shores – Schedule “A” Administration – Corporate Services (Animal Care & Control Fees); Schedule “B” Cemetery Fees; and Schedule “D” Recreation Services Fees |
| By-law No. 2023-129 | Being a by-law to enter into an agreement with Nirbo Aquatic Inc. for the supply of splash pad equipment |
| By-law No. 2023-130 | Being a by-law to authorize borrowing from time to time to meet current expenditures during the Fiscal Year ending December 31, 2024 |

By-law No. 2023-131	Being a by-law to amend By-law No. 2019-155, as amended to enter into a lease agreement with Kyle and Maria Overton for the operation of the Spurline Concession at the Waterfront
By-law No. 2023-132	Being a by-law to amend By-law No. 2021-174 to authorize the execution of a Parts III and IX of Provincial Offences Act (Ontario) Interim Transfer Agreement between His Majesty the King in Right of Ontario as represented by the Attorney General and The Corporation of the City of Temiskaming Shores
By-law No. 2023-133	Being a by-law to amend By-law No. 2017-015 as amended, to adopt a Procurement Policy for the City of Temiskaming Shores
By-law No. 2023-134	Being a by-law to adopt a Multi-Year Accessibility Plan 2024-2028
By-law No. 2023-135	Being a by-law to enter into an agreement with Digital Media & Communications (2013) Ltd. for digital marketing services to promote the Northern Ontario Mining Showcase at the 2024 PDAC and CIM Conventions
By-law No. 2023-136	Being a by-law to repeal By-law No. 2019-106, as amended, for the appointment of Municipal Law Enforcement Officers to enforce the City's Animal Control By-law and Noise By-law as it relates to Animal Control Services
By-law No. 2023-137	Being a By-law to amend By-law No. 2017-154 to rezone property from the Community Facilities (CF) Zone to the High Density Residential Exception 20 (R4-20) zone to allow for the development of multi-unit residential buildings on the property with a maximum of 59 units
By-law No. 2023-138	Being a by-law to enter into a three (3) year agreement with eScribe Software Ltd. for meeting management software, within the Canoe Procurement Group, via SHI
By-law No. 2023-139	Being a by-law to enter into an Agreement with Sylvian G. Gelineau for the Lease of Bucke Park from January 1, 2024, to December 31, 2028 for the operation of a campground

- | | |
|---------------------|---|
| By-law No. 2023-140 | Being a By-Law to Adopt a Memorial Bench and Tree Policy for the City of Temiskaming Shores (Repeals By-law No. 2020-114) |
| By-law No. 2023-141 | Being a by-law to enter into a funding agreement with the AC15 Hockey Tournament for a donation towards the refurbishment of the Shaver Park outdoor rink |
| By-law No. 2023-142 | Being a by-law to enter into an agreement with 2782917 Ontario Inc. o/a Tem-Pro Construction for the renovation of the Haileybury Service Marina to an Animal Pound |

be hereby introduced and given first, second and third and final reading, be signed by the Mayor and Clerk and the corporate seal affixed thereto.

Draft Resolution

Moved by: Councillor

Seconded by: Councillor

Be it resolved that:

- | | |
|---------------------|---|
| By-law No. 2023-122 | Being a by-law to regulate the care and control of animals, and the registration of dogs and cats within the City of Temiskaming Shores |
|---------------------|---|

be hereby given third and final reading, be signed by the Mayor and Clerk and the corporate seal affixed thereto.

Clerk Note: First and Second Reading was given at the November 21, 2023 Regular Council Meeting.

16. Schedule of Council Meetings

- a) Committee of the Whole Meeting – January 16, 2024 starting at 3:00 p.m.
- b) Regular Council Meeting – January 16, 2024 immediately following the Committee of the Whole Meeting

17. Question and Answer Period

18. Closed Session

Draft Resolution

Moved by: Councillor

Seconded by: Councillor

Be it resolved that Council agrees to convene in Closed Session at _____ p.m. to discuss the following matters:

- a) Adoption of the September 19, 2023, October 3, 2023, November 7, 2023, November 13, 2023, November 21, 2023, and the December 5, 2023 Closed Session Minutes;
- b) Under Section 239(2)(d) of the Municipal Act, 2001 – Labour relations / employee negotiations – Collective Agreement Negotiations; and
- c) Under Section 239 (2) (c) of the Municipal Act, 2001 – a proposed or pending acquisition or disposition of land by the municipality or local board – 468 Georgina Avenue (Former Haileybury Fire Hall).

19. Confirming By-law

Draft Resolution

Moved by: Councillor

Seconded by: Councillor

Be it resolved that By-law No. **2023-143** being a by-law to confirm certain proceedings of Council of The Corporation of the City of Temiskaming Shores for its Regular meetings, Special meetings and Committee of the Whole Meetings, be hereby introduced and given first, second, third and final reading; and be signed by the Mayor and Clerk and the Corporate Seal affixed thereto.

20. Adjournment

Draft Resolution

Moved by: Councillor

Seconded by: Councillor

Be it resolved that Council hereby adjourns its meeting at _____ p.m.



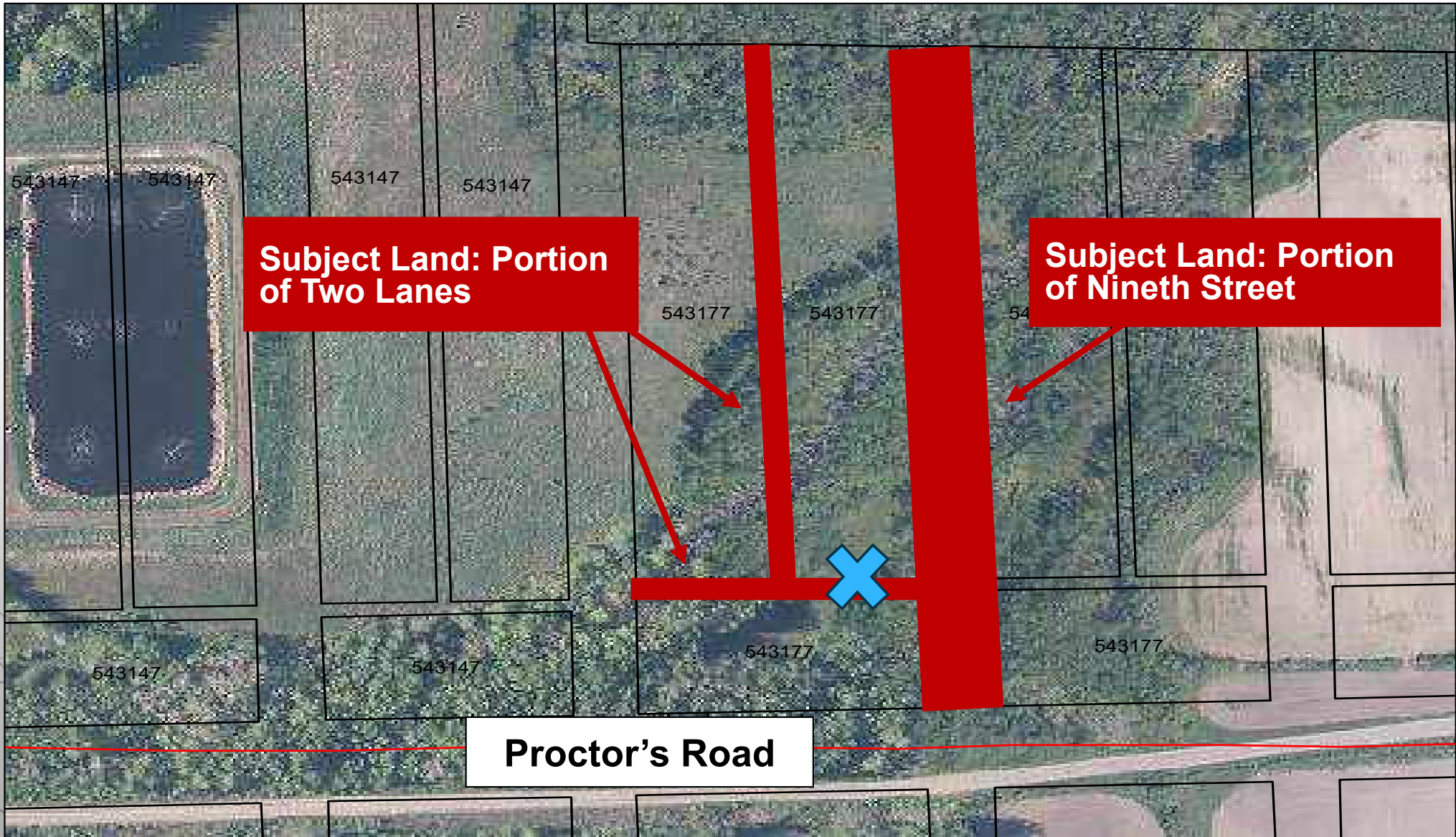
Application to Purchase Municipal Land

Background

- Application from Matthew Krul and Nerissa Doy, for the purchase of a portion of Nineth Street, and a portion of two laneways (unopened road allowances).
- The Applicants own the residential land adjacent to the subject properties.
- Portion of Nineth Street on Plan M60-NB – Seeking continuous ownership, by purchasing a portion of the road allowance.
- Portion of Two Laneways on Plan M60-NB: Seeking continuous ownership, by purchasing a portion of two laneways, for the purpose of constructing a residential dwelling.

December 19, 2023

Application to Purchase Municipal Land





Application to Purchase Municipal Land

Disposition of Land By-law No. 2015-160

Section 3 – Disposal Method

If approved, a direct disposition to the applicant

Section 4 – Determination of Value

Recommend price is \$1,500, plus all associated costs

Section 6 – Public Meeting Notice

Notice via City Bulletin and Website

Notice emailed to Utility Companies

December 19, 2023



Application to Purchase Municipal Land

Additional Information

- A reference plan would be required for legal description of subject road allowance and laneways, as well as adopting a Stop up and Close By-law.
- The subject property is:
 - designated Rural Area in the City's Official Plan
 - Rural Hold 3 (RU(H3)) in the City's Zoning By-law
 - The purpose of the H3 provision is to recognize properties that are in proximity to sewage treatment and waste management sites, and ensure that the required compatibility considerations are addressed prior to the development of a sensitive use.



Application to Purchase Municipal Land

Comments - Planner

The Planner consulted with the Ministry of Environment, Conservation and Parks on the required and recommended separation distances from the North Cobalt Lagoons.

The H3 provision in the zoning by-law states:

- “Where the Ministry of Environment and Climate Change has been circulated an application for development and has no concerns, the permitted uses shall be limited to those permitted in the zone without having to remove the holding provision.”

City of • Ville de
Temiskaming
Shores
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Property is comprised of a number of individual lots on a plan of subdivision, a deeming by-law will be required.



December 19, 2023



Application to Purchase Municipal Land

Comments

- Manager of Transportation Services - Property fronts on Proctor's Road, which is maintained year round.
- No concerns from Staff, and are supportive of request.
- No public comments received to date on the application.
- No concerns received from utility companies (notice emailed to Hydro, Enbridge, Bell, Eastlink, Telebec.).

December 19, 2023



Application to Purchase Municipal Land

Next Steps – *conditional on public input, and if approved:*

- Order a survey to legally describe the portion of the subject road allowance and laneways.
- Adoption of a Stop Up and Close By-law for Road Allowance and Lanes.
- Administrative Report recommending a Purchase and Sale agreement.
- Adoption of a Deeming By-law to merge the lots on title.



The Corporation of the City of Temiskaming Shores
Regular Meeting of Council
Tuesday, November 21, 2023 – 6:00 p.m.
City Hall – Council Chambers – 325 Farr Drive

Minutes

1. Land Acknowledgement

We acknowledge that we live, work, and gather on the traditional and unceded Territory of the Algonquin People, specifically the Timiskaming First Nation.

We recognize the presence of the Timiskaming First Nation in our community since time immemorial and honour their long history of welcoming many Nations to this beautiful territory and uphold and uplift their voice and values.

2. Call to Order

The meeting was called to order by Mayor Laferriere at 6:00 p.m.

3. Roll Call

Council:	Mayor Jeff Laferriere; Councillors Jesse Foley, Melanie Ducharme, Ian Graydon, Nadia Pelletier-Lavigne, Danny Whalen, and Mark Wilson
Present:	Amy Vickery, City Manager Kelly Conlin, Deputy Clerk Shelly Zubych, Director of Corporate Services Mathew Bahm, Director of Recreation Brad Hearn, Information Systems & Technology Jennifer Pye, Planner Mitch McCrank, Manager of Transportation Services Steve Langford, Fire Chief Stephanie Leveille, Treasurer
Regrets:	N/A
Media:	2
Delegates:	Lorna Desmarais, Timiskaming Health Unit;

Bill Ramsay, Friends of the Waterfront;
Rivard Bros. Ltd., Jeff St-Cyr and Daniel Tache, President of
Tache Construction; and
Duff Ryan, Project Designer and Project Lead - Ryan Company
Architect Inc.

Members of the Public: 30

4. Review of Revisions or Deletions to Agenda

None

5. Approval of Agenda

Resolution No. 2023-385

Moved by: Councillor Graydon

Seconded by: Councillor Whalen

Be it resolved that City Council approves the agenda as printed.

Carried

6. Disclosure of Pecuniary Interest and General Nature

Councillor Melanie Ducharme disclosed an indirect Declaration of Interest on Communications Item 10 d) and New Business Item 14 c); both regarding the Proclamation Request from Pavilion Women's Centre for the International Day for the Elimination of Violence Against Women, as she is employed by Pavilion Women's Centre as the Executive Director.

7. Public Meetings pursuant to the Planning Act, Municipal Act and other Statutes

None

8. Review and adoption of Council Minutes

Resolution No. 2023-386

Moved by: Councillor Wilson

Seconded by: Councillor Foley

Be it resolved that City Council approves the following minutes as printed:

- a) Regular Council Meeting – October 17, 2023;
- b) Committee of the Whole Meeting - November 7, 2023; and
- c) Special Council Meetings – October 27, 2023 and November 13, 2023.

Carried

9. Presentations / Delegations

- a) Temiskaming Health Unit - Lorna Desmarais, Public Health Promoter and Jesse Foley, Councillor and Board of Health Vice Chair

Re: Local Public Health and Municipalities

Lorna Desmarais, Public Health Promoter and Jesse Foley, Councillor and Board of Health Vice Chair, utilizing PowerPoint, presented content related to the opportunities for collaboration to build an understanding of local public health and the role of municipalities to work together toward healthy communities where everyone can thrive. Slides included information on what makes a health community; public health focus; about the Temiskaming Health Unit (THU); social detriments of health; municipalities influencing public health; how the THU and municipalities can collaborate; and resources.

Mayor Laferriere thanked Lorna and Jesse for the presentation.

- b) Bill Ramsay - On behalf of Friends of the Waterfront

Re: Expression of Interest regarding the possible sale of the New Liskeard Marina Property

Bill Ramsay read a letter on behalf of Friends of the Waterfront, outlining that they would like to maintain a parkland waterfront for future generations. He expressed disappointment that the City launched a public consultation process asking for input on a potential Expression of Interest for the purchase

of the property, where the only question was about how the property could be developed or used.

Friends of the Waterfront are opposed to the sale for several reasons:

- The ability to experience the waterfront from this property will be gone and that it will also have a negative impact on the boardwalk.
- The lost opportunity for recreational and leisure activities on the land (such as Fall Fair, Village Noel, and the numerous equine activities).
- Overlooking any long-term planning, and requests Council to consider the best use of the property in twenty, thirty and forty years.

Friends of the Waterfront are not anti-development; however, recommends reviewing multiple family developments within the scope of the Official Plan.

Mayor Laferriere thanked Bill for the presentation, and invited questions from Council.

Councillor Wilson appreciated the feedback from the Friends of the Waterfront, and the suggestion regarding the Official Plan.

Councillor Ducharme inquired what the Friends of the Waterfront envision the process be if their suggestions are incorporated, outside the development. Bill advised that more input would be required from the community and planning.

Councillor Whalen commented on the importance of public consultation, and to gather input, and provides an opportunity to clarify misconceptions about the process.

- c) Rivard Bros. Ltd., Jeff St-Cyr and Daniel Tache, President of Tache Construction

Re: Development Proposal in response to Expression of Interest No. CS-EOI-001-2023

Jeff St-Cyr discussed the Rivard Bros. Ltd. Development Proposal in response to Expression of Interest for the New Liskeard Marina Property, including, an overview of the drawings and drone video.

Jeff commented that the development would be extremely beneficial to the community, including generating tax revenue, beautifying the area, providing services (such as marina services), leading to economic and esthetic improvements. The project would create a solution for low maintenance housing, and an opportunity for convenient and efficient living spaces. The presentation included photos of how some municipalities have developed

their waterfronts to showcase diverse approaches and design, for inspiration purposes.

Jeff reviewed the project sketches, indicating that the walking area and marina are owned by the City, but discussed how the marina can be integrated into the project. The sightlines were also discussed, noting the minimal impact the project would have on the view of the waterfront.

Sylvain Rivard spoke about the economic impact of a project on the community, and attracting people to the downtown area.

Mayor Laferriere thanked Jeff and Sylvain for the presentation, and invited questions from Council.

Councillor Wilson inquired if there are soil concerns with the proposed buildings. Sylvain Rivard noted that their proposal included a due diligence review for further investigation, and to analyze the cost of the project.

Councillor Wilson requested further information related to the project's enhanced greenspace and sustainable transport comments. Jeff St-Cyr noted that if the City allocated a percentage of the tax revenues realized from the development, a plan could be created for the enhancement of the waterfront.

Councillor Whalen noted that he prefers to see a housing/ public use project, and commented that the City would retain ownership of the marina in the proposal; therefore, inquired if the marina would be part of the project or a stand-alone piece. Jeff St-Cyr commented that they would like to work with the City to integrate the marina into the project; i.e. to demolish the building, to construct a new facility.

Councillor Ducharme inquired if there would be an affordable housing component. Jeff St-Cyr commented that the price of rent has not been established at this time.

Councillor Graydon inquired if the building would be managed for rental units, and Jeff confirmed that the units would be for rental housing.

- d) Duff Ryan, Project Designer and Project Lead - Ryan Company Architect Inc.

Re: Development Proposal in response to Expression of Interest No. CS-EOI-001-2023

Duff Ryan discussed his Development Proposal in response to Expression of Interest for the New Liskeard Marina Property, including an overview of the

drawings, and similar projects, specifically the Landing at Little Lake condominiums.

Duff commented that whether the property can be economically developed is still unknown until further investigation is completed. The plan for the project was reviewed, and Duff provided some history of the fill on the site.

The concept for the design is that everyone can enjoy the lake, and that its buildings are in a park setting, and not on a parking lot, with parking partially underneath the 12-plex's and partially on the surface. The project vision is housing and a resort, to create a year-round destination for snowmobiling, fishing, etc. to draw tourism, including a multi-use building on the waterfront. Duff discussed the approach and the importance of community involvement, and the importance of activities and waypoints along the boardwalk to draw people to the water.

A big picture study and how the site ties into the downtown and to the waterfront would be beneficial; as the land should not be treated as an isolated parcel, but rather a cohesive part of the fabric of the community.

Mayor Laferriere thanked Duff for the presentation.

10. Correspondence/ Communications

a) Town of Rainy River

Re: Resolution regarding Expanding Water Treatment Training Opportunities, 2023-10-10

Reference: Received for Information

Note: Councillor Wilson requested this item be returned for Council consideration.

b) Township of Archipelago

Re: Resolution regarding Cigarette Producer Responsibility, 2023-10-13, 2023

Reference: Received for Information

- c) Town of Aurora

Re: Resolution regarding Cannabis Retail Applications, 2023-10-30

Reference: Received for Information

- d) Melanie Ducharme, Executive Director - Pavilion Women's Centre

Re: Proclamation Request on November 25, 2023 regarding the 2023 Wrapped in Courage Campaign, 2023-10-31

Reference: Proclamation presented under Section 14 – New Business

- e) Elizabeth Morland, on behalf of the Timiskaming Active School Travel Steering Committee, Public Health Promoter and Active School Travel Facilitator- Timiskaming Health Unit

Re: Timiskaming's Walk 'N Roll Program Recommendations, 2023-11-03

Reference: Referred to the Director of Recreation and the Manager of Transportation Services

- f) Tricia Wertz, Director of Education - Northeastern Catholic District School Board

Re: 2023-2028 Multi-Year Strategic Plan, 2023-11-06

Reference: Received for Information

- g) Municipality of Wawa

Re: Resolution Regarding Amendment to Allow Digital Publications as an Acceptable Means of Publication and Notice Requirements for Provincial Acts and Regulations, 2023-11-07

Reference: Received for Information

Note: Councillor Whalen requested this item be returned for Council consideration.

h) Municipality of Wawa

Re: Resolution regarding Support for Bill C-310, and Amendments to Income Tax Act to Increase Tax Credits for Volunteer Firefighters, 2023-11-07

Reference: Received for Information

Note: Councillor Whalen requested this item be returned for Council consideration.

i) Virgina Montminy, Clerk – Township of Evanturel

Re: Resolution regarding Preparation of Bill Regarding Passing on Double/ Two Solid Yellow Lines, 2023-11-09

Reference: Received for Information

Note: Councillor Whalen requested this item be returned for Council consideration.

j) Michelle Dunne, Clerk – Dufferin County

Re: Gender-Based Violence and Intimate Partner Violence, 2023-11-10

Reference: Received for Information

k) District of Timiskaming Social Services Administration Board (DTSSAB)

Re: DTSSAB Quarterly Report – Q3 – 2023 July 1st to September 30th, 2023

Reference: Received for Information

Councillor Ducharme disclosed a conflict of interest related to Correspondence Item 10 d), and did not participate in the discussion of the subject matter nor did she vote on Resolution No 2023-387.

Resolution No. 2023-387

Moved by: Councillor Pelletier-Lavigne

Seconded by: Councillor Graydon

Be it resolved that the Council for the City of Temiskaming Shores agrees to deal with Communication Item 10 d) in accordance with the agenda reference.

Carried

Resolution No. 2023-388

Moved by: Councillor Foley

Seconded by: Councillor Wilson

Be it resolved that the Council for the City of Temiskaming Shores agrees to deal with Communications Items 10 a) through c), and Items 10 e) through k), in accordance with agenda references.

Carried

11. Committees of Council – Community and Regional

Resolution No. 2023-389

Moved by: Councillor Whalen

Seconded by: Councillor Graydon

Be it resolved that the following minutes be accepted for information:

- a) Minutes of the New Liskeard Business Improvement Area Board of Management meetings held on September 27, 2023 and on October 16, 2023;
- b) Minutes of the District of Timiskaming Social Services Administration Board (DTSSAB) meetings held on June 28, 2023, September 20, 2023 and on October 25, 2023;
- c) Minutes from the Temiskaming Shores Public Library Board meeting held on September 27, 2023;
- d) Minutes from the Temiskaming Transit meeting held on October 19, 2023; and
- e) Minutes from the Timiskaming Health Unit Board of Health meetings held on September 6, 2023 and on October 11, 2023.

Carried

12. Reports by Members of Council

Councillor Whalen commented that at the last Police Services Board meeting, a new detachment commander was introduced, as well as new officers in the area.

Councillor Ducharme thanked all the volunteers who worked on the Night of Lights in Haileybury. Mayor Laferriere also thanked the businesses who contributed towards the event.

13. Notice of Motions

None

14. New Business

- a) **Town of Midland – Resolution of Support – “Catch and Release” Justice in Ontario (Correspondence from the October 17, 2023 Regular Council Meeting)**

Resolution No. 2023-390

Moved by: Councillor Wilson

Seconded by: Councillor Foley

Whereas Council for the Town of Midland adopted a resolution regarding “catch and release” justice in the Ontario legal system, at their regular meeting on September 6, 2023.

Be it resolved that Council for the City of Temiskaming Shores supports the Town of Midland’s call on the Federal and Provincial Governments to request for meaningful improvements to the current state of “catch and release” justice in the Ontario legal system; and

That Police Services across Ontario are exhausting time and resources to manage the repeated arrests of the same offenders, which in turn, is impacting their morale, and ultimately law-abiding citizens who are paying the financial and emotional toll of this system; and

Further that a copy of this resolution be sent to the Senate of Canada; the Honourable Doug Ford, Premier of Ontario; and the Town of Midland.

Carried

- b) **Resolution of Support for Bill 21, Fixing Long-Term Care Amendment Act (Till Death Do Us Part) (Correspondence from the October 17, 2023 Regular Council Meeting)**

Resolution No. 2023-391

Moved by: Councillor Pelletier-Lavigne

Seconded by: Councillor Whalen

Whereas Council for the City of Temiskaming Shores received correspondence from Catherine Fife, MPP Waterloo, regarding a request for support Bill 21 Fixing Long-Term Care Amendment Act (Till Death Do Us Part); and

Whereas older adults deserve dignity in care and should have the right to live with their partner as they age; and

Whereas within the Province of Ontario, couples do not have the right to be accommodated together when entering long term care facilities; and

Whereas the separation of spouses upon entering long term care facilities is a common occurrence across Ontario; and

Whereas Bill 21, Fixing Long-Term Care Amendment Act (Till death do us part), was first introduced in the provincial legislature in 2019, and was reintroduced in 2022; and

Whereas Bill 21 amends the Residents' Bill of Rights set out in Section 3 of Fixing Long-Term Care Act 2021, by adding the right of residents not to be separated from their spouse upon admission, and to have accommodation made available for both spouses so they may continue to live together; and

Whereas Bill 21 passed its second reading in the provincial legislature on November 15, 2022, and was subsequently referred to the Standing Committee on Social Policy, and has since yet to be called to the Standing Committee.

Be it resolved that Council for the City of Temiskaming Shores supports Bill 21 Fixing Long-Term Care Amendment Act, and requests the provincial legislature to call Bill 21 Fixing Long-Term Care Amendment Act to the Standing Committee on Social Policy, so that it may progress closer to its Third Reading; and

Further that a copy of this resolution be sent to the Honourable Doug Ford, Premier of Ontario; the Honourable Stan Cho, Minister of Long-Term Care, and Catherine Fife, MPP Waterloo.

Carried

c) Proclamation - International Day for the Elimination of Violence Against Women (Correspondence Item No. 10 d.)

Councillor Ducharme disclosed a conflict of interest with this Item, and did not participate in the discussion of the subject matter nor did she vote on Resolution No 2023-392.

Resolution No. 2023-392

Moved by: Councillor Foley

Seconded by: Councillor Wilson

Whereas violence continues to be the greatest gender inequality rights issue for women, girls and gender-diverse individuals; and

Whereas November is Woman Abuse Prevention Month; and

Whereas November 25th the International Day for the Elimination of Violence Against Women; and

Whereas Femicide rates are on the rise in Ontario, with over 46 femicides in Ontario since November 26th, 2022; and

Whereas our community is committed to ending femicide and all forms of gender-based violence; and

Whereas Indigenous, Black, South Asian and South East Asian women and girls continue to experience high rates of violence, including femicide, and were overrepresented within the Ontario Association of Interval and Transition Houses' 2021-2022 Annual Femicide List; and

Whereas last year in Ontario, on average every 7 days a woman or child lost their lives due to femicide; and

Whereas in four of the last five years, at least one woman from the District of Timiskaming was the victim of femicide; and

Whereas this month and throughout the 16 Days of Activism Against Gender-Based Violence, we acknowledge our community's support of the Wrapped in Courage campaign and commitment to ending gender-based violence; and

Whereas there is an urgent need for greater investment and action to end gender-based violence in our community and throughout Ontario; and

Whereas it is recognized that the courage of a woman alone is not enough, it takes an entire community to end gender-based violence.

Therefore be it resolved that Council for the City of Temiskaming Shores hereby proclaims November 25th, 2023 as The International Day for the Elimination of Violence Against Women, and urge all citizens to recognize this day by acting to support survivors of gender-based violence.

Carried

- d) **Administrative Report No. CS-042-2023 – Zoning By-law Amendment (ZBA-2023-02) for Temiskaming Lodge on behalf of Pedersen Materials Ltd.; east of 144 Drive In Theatre Road**

Resolution No. 2023-393

Moved by: Councillor Graydon

Seconded by: Councillor Pelletier-Lavigne

Be it resolved that Council for the City of Temiskaming Shores acknowledges receipt of Administrative Report CS-042-2023;

That Council agrees to amend the provisions of the City of Temiskaming Shores Zoning By-law 2017-154, to permit the zone change from Development (D) to Community Facilities Exception 2 (CF-2), and to amend the provisions of the CF-2 zone; and

That Council directs staff to prepare the necessary by-law to amend the City of Temiskaming Shores Zoning By-law 2017-154, for consideration at the November 21, 2023 Regular Council meeting.

Carried

- e) **Memo No. 002-2023-PPP – 2023 Community Emergency Preparedness Grant Application**

Resolution No. 2023-394

Moved by: Councillor Foley

Seconded by: Councillor Ducharme

Be it resolved that Council for the City of Temiskaming Shores acknowledges receipt of Memo No. 002-2023-PPP; and

That Council directs staff to submit an application to the Community Emergency Preparedness Grant in the amount of \$50,000, to apply for the purchase of portable radios, and an enclosed trailer for the purpose of transporting equipment.

Carried

15. By-Laws**Resolution No. 2023-395**

Moved by: Councillor Graydon

Seconded by: Councillor Whalen

Be it resolved that:

- | | |
|---------------------|--|
| By-law No. 2023-114 | Being a by-law to amend By-law No. 2022-016 to enter into an Agreement with Automotive Materials Stewardship Inc. (AMS) for Automotive materials (oils, oil filters and antifreeze) collected as part of the Household Hazardous Waste Collection Event |
| By-law No. 2023-115 | Being a by-law to amend By-law No. 2023-037 to enter into an agreement with Grass King Inc. for Asphalt Markings and Symbol Painting Services – One Year Extension |
| By-law No. 2023-116 | Being a by-law to enter into an agreement with the Ontario Northland Transportation Commission (ONTC) to provide an ONTC Agency at the Waterfront Pool and Fitness Centre |
| By-law No. 2023-117 | Being a by-law to enter into a Lease Agreement with the Temiskaming Art Gallery for the use of the Lions Den in the Shelley Herbert-Shea Memorial Arena (December 1, 2023, to November 30, 2028) |
| By-law No. 2023-118 | Being a by-law to enter into an agreement with WF Group Inc. for the Building Decarbonization Feasibility Study |
| By-law No. 2023-119 | Being a by-law to enter into an agreement with the Federal Economic Development Agency for Northern Ontario as represented by the Minister of Indigenous Services and Minister responsible for the Federal Economic Development Agency for Northern Ontario for the Northern Ontario Pavilion at the 2024 PDAC Event in Toronto (Project No. 852-515041) |
| By-law No. 2023-120 | Being a By-law to amend By-law No. 2017-154 to rezone property from the Development (D) Zone to the Community Facilities Exception 2 (CF-2) Zone and to amend the provisions of the CF-2 Zone to allow for the future use of the property |

By-law No. 2023-121 Being a by-law of the Corporation of the City of Temiskaming Shores to Authorize the Borrowing upon serial debentures in the principal amount of \$635,756.78 towards the cost of 2021 roads program, backhoe

be hereby introduced and given first, second and third and final reading, be signed by the Mayor and Clerk and the corporate seal affixed thereto.

Carried

Resolution No. 2023-396

Moved by: Councillor Wilson

Seconded by: Councillor Ducharme

Be it resolved that:

By-law No. 2023-122 Being a by-law to regulate the care and control of animals, and the registration of dogs and cats within the City of Temiskaming Shores

be hereby introduced and given first and second reading.

Carried

16. Schedule of Council Meetings

- a) Special Committee of the Whole Meeting – November 28, 2023 starting at 3:00 p.m. (Budget Meeting)
- b) Committee of the Whole Meeting – December 5, 2023 starting at 3:00 p.m.
- c) Regular Council Meeting – December 19, 2023 starting at 6:00 p.m.

17. Question and Answer Period

None

18. Closed Session

Resolution No. 2023-397

Moved by: Councillor Pelletier-Lavigne

Seconded by: Councillor Whalen

Be it resolved that Council agrees to convene in Closed Session at 7:53 p.m. to discuss the following matters:

- a) Under Section 239(2)(k) of the Municipal Act, 2001 – position, plan, procedure, criteria or instruction in negotiations – Animal Control.

Carried

Resolution No. 2023-398

Moved by: Councillor Wilson

Seconded by: Councillor Foley

Be it resolved that Council agrees to rise with report from Closed Session at 9:00 p.m.

Carried

Matters from Closed Session

Under Section 239(2)(k) of the Municipal Act, 2001 – position, plan, procedure, criteria or instruction in negotiations – Animal Control.

Council provided staff with direction.

19. Confirming By-law

Resolution No. 2023-399

Moved by: Councillor Graydon

Seconded by: Councillor Whalen

Be it resolved that By-law No. **2023-123** being a by-law to confirm certain proceedings of Council of The Corporation of the City of Temiskaming Shores for its Regular meeting held on **November 21, 2023**, and its Special meetings held on **October 27, 2023** and on **November 13, 2023**, be hereby introduced and given first, second, third and final reading; and be signed by the Mayor and Clerk and the Corporate Seal affixed thereto.

Carried

20. Adjournment

Resolution No. 2023-400

Moved by: Councillor Ducharme

Seconded by: Councillor Pelletier-Lavigne

Be it resolved that Council hereby adjourns its meeting at 9:02 p.m.

Carried

Mayor

Clerk



The Corporation of the City of Temiskaming Shores
Special Committee of the Whole Meeting
Tuesday, November 28, 2023 – 3:00 p.m.
City Hall – Council Chambers – 325 Farr Drive

Minutes

1. Land Acknowledgement

We acknowledge that we live, work, and gather on the traditional and unceded Territory of the Algonquin People, specifically the Timiskaming First Nation.

We recognize the presence of the Timiskaming First Nation in our community since time immemorial and honour their long history of welcoming many Nations to this beautiful territory and uphold and uplift their voice and values.

2. Call to Order

The meeting was called to order by Mayor Laferriere at 3:00 p.m.

3. Roll Call

Council:	Mayor Jeff Laferriere; Councillors Jesse Foley (virtual), Nadia Pelletier-Lavigne (virtual), Danny Whalen, and Mark Wilson
Present:	Amy Vickery, City Manager Logan Belanger, Municipal Clerk Shelly Zubyck, Director of Corporate Services Mathew Bahm, Director of Recreation James Franks, Economic Development Brad Hearn, Information Systems & Technology Steve Burnett, Manager of Environmental Services Mitch McCrank, Manager of Transportation Services Steve Langford, Fire Chief Rebecca Hunt, Library CEO Stephanie Leveille, Treasurer
Regrets:	Councillors Melanie Ducharme and Ian Graydon

Media: N/A
Delegates: N/A
Members of the Public: Brigid Wilkinson

4. Approval of Agenda

Resolution No. 2023-401

Moved by: Councillor Wilson
Seconded by: Councillor Whalen

Be it resolved that City Council approves the agenda as printed.

Carried

5. Declaration of Special Meeting

Resolution No. 2023-402

Moved by: Councillor Foley
Seconded by: Councillor Pelletier-Lavigne

Be it resolved that the Council of the City of Temiskaming Shores declares this meeting a “Special Committee of the Whole meeting” in accordance with Section 9 of Procedural By-law No. 2023-022.

Carried

6. Disclosure of Pecuniary Interest and General Nature

None

7. New Business

a) Presentation – Draft No. 1 - 2024 Municipal Operating and Capital Budget

Stephanie Leveille, Treasurer presented the 2024 Capital and Operating Budgets. The Treasurer advised that budget work began in early fall, with a draft budget prepared by staff based on several factors including past trends, current year forecasts, and adjusted for any expected changes in costs or service levels. Staff identified new items for consideration and discussion. The presented budget is preliminary to begin discussions with Council. The budget was prepared with information known or available at the time of preparation. When Council adopts the budget in principle, staff will work to obtain more precise amounts prior to the final adoption of the budget.

The presentation included spreadsheet tables on the 2024 General Capital, and capital summaries for Corporate Services; Fire and Emergency Services; Public Works; Recreation; Property Maintenance; Fleet; Transit; and Environmental Services. The Treasurer also reviewed available funding sources and financing options to fund the proposed capital projects.

Council was provided with information regarding variances from the 2023 Budget to the 2024 Budget, a comparison in the operational budget with new positions and a property tax rate comparison. The Treasurer also outlined key pressures and variances in the budget, as well as a discussion regarding the transfer from general operations to the capital program.

At the conclusion of the presentation, the Treasurer recommended a 2.5%, 3% or 3.5% increase to the municipal tax levy. Council discussed the scenarios, and agreed to incorporate a three (3) percent increase to the tax levy within the 2024 budget.

Council directed staff to incorporate an Aquatic Youth Programmer shadow prior to a retirement for a period of 10 months, at the Pool and Fitness Centre, at an estimated cost of \$58,311, within the 2024 budget.

Council directed staff to incorporate a training and development position for the Superintendent of Transportation prior to a retirement, for a period of six (6) months, at an estimated cost of \$45,655, within the 2024 budget.

Council directed staff to incorporate a three-month extension to the Communications Contract Position, at an estimated cost of \$10,550, within the 2024 budget.

Council directed staff to incorporate a full-time water/ sewer maintenance position to begin in May, at an estimated cost of \$61,961, within the 2024 budget.

Council directed staff to incorporate the tax levy and position additions to finalize the 2024 operating and capital budget, for adoption in principle at the December 19, 2023 Regular Council meeting.

Resolution No. 2023-403

Moved by: Councillor Whalen

Seconded by: Councillor Wilson

Be it resolved that the Council of the City of Temiskaming Shores hereby acknowledges the presentation of the 2024 Operating and Capital Budget, Draft No. 1.

Carried

8. Adjournment

Resolution No. 2023-404

Moved by: Councillor Wilson

Seconded by: Councillor Whalen

Be it resolved that City Council adjourns at 4:17 p.m.

Carried

Mayor

Clerk



The Corporation of the City of Temiskaming Shores
Committee of the Whole
Tuesday, December 5, 2023 – 3:00 p.m.
City Hall – Council Chambers – 325 Farr Drive

Minutes

1. Land Acknowledgement

We acknowledge that we live, work, and gather on the traditional and unceded Territory of the Algonquin People, specifically the Timiskaming First Nation.

We recognize the presence of the Timiskaming First Nation in our community since time immemorial and honour their long history of welcoming many Nations to this beautiful territory and uphold and uplift their voice and values.

2. Call to Order

The meeting was called to order by Mayor Laferriere at 3:00 p.m.

3. Roll Call

Council:	Mayor Jeff Laferriere; Councillors Melanie Ducharme, Ian Graydon, Nadia Pelletier-Lavigne, Danny Whalen, and Mark Wilson
Present:	Amy Vickery, City Manager Logan Belanger, Municipal Clerk Shelly Zubyck, Director of Corporate Services Mathew Bahm, Director of Recreation James Franks, Economic Development Officer Brad Hearn, Information Systems & Technology Jennifer Pye, Planner Steve Burnett, Manager of Environmental Services Mitch McCrank, Manager of Transportation Services Steve Langford, Fire Chief Stephanie Leveille, Treasurer
Regrets:	Councillor Jesse Foley

Media: 2
Delegates: Candice Micucci, JK Development GP2 Limited
Members of the 9 in-person
Public: 3 virtual

4. Review of Revisions or Deletions to the Agenda

None

5. Approval of the Agenda

Resolution No. 2023-405

Moved by: Councillor Graydon

Seconded by: Councillor Whalen

Be it resolved that City Council approves the agenda as printed.

Carried

6. Disclosure of Pecuniary Interest and General Nature

None

7. Public Meetings Pursuant to the Planning Act, Municipal Act, and Other Statutes

- a) Zoning By-law Amendment (ZBA-2023-03)

Owner: Abdul Khaliq and 2843371 Ontario Inc.

Applicant: JK Development GP2 Limited

Subject Land: 121 Davidson Street, adjacent land to the east, and the Dymond Crescent road allowance from Broadwood Avenue southwest

Purpose of the application: To rezone the property to permit the development of two multi-unit residential buildings.

Mayor Laferriere outlined that the purpose of this public meeting is for one (1) Zoning By-law amendment application. The Planning Act requires that a public meeting be held before Council decides whether to pass a by-law adopting a proposed amendment.

The public meeting serves two purposes: first, to present to Council and the public the details and background to the proposed amendment and second, to receive comments from the public and agencies before a decision is made by Council.

Mayor Laferriere declared the meeting to be open and to be a public meeting pursuant to Section 34 of the Planning Act, and requested Candice Micucci, Planner with JK Development GP2 Limited, to outline the details of the application.

Candice Micucci utilizing PowerPoint, outlined the proposal for the development of the lands (i.e. two (2) new multi-unit residential buildings), official plan designations and zoning (current and proposed), reviewed the preliminary site plan and the requirement for a site plan design, and discussed the neighbourhood, including entrances/exits to the property, privacy fences, landscaping and parking. It is proposed that the Minimum Landscape area be reduced from 35 percent to 33 percent.

The notice of the public meeting was provided via the City Bulletin in accordance with the statutory notice requirements of the Planning Act.

Mayor Laferriere inquired if there were any comments from members of the public.

Jennifer Pye, Planner for the City of Temiskaming Shores reviewed three written submissions regarding the application:

- 1) TransCanada Pipelines Limited - no concerns.
- 2) Ontario Northland Transportation Commission – noted a right-of-way within 500 m of the subject property, as such noise and vibration would be expected, and the potential for expansion on the right-of-way in the future.
- 3) Northdale Manor - requested collaboration for continued access to the lane for their operations and safety plans, along with mitigation measures to minimize disruptions.

Rick Wink, resident, requested clarification on the reduction of the landscaping requirement, and why the notice differed from the presentation materials. Candice Micucci clarified that the variance was due to rounding.

Brian Johnson, resident, inquired how many storeys the building would be, and the results of the traffic study, including if access from Lakeshore Road was considered. Candice Micucci clarified that the developer will be complying with the 12-metre height restriction; however, the decision for a three or four storey building has not been finalized. The traffic study will be

released, and the access from Lakeshore Road was not recommended due to topography.

Peter Laffin, resident, inquired if he would be losing the trees and fence at the rear of his property. Mr. Laffin expressed concerns related to noise from the increased traffic, and the impact the project will have on property valuations for future land sales. Mr. Laffin also inquired if the City considered selling the lane to adjacent landowners. Candice Micucci discussed the lighting requirements, and clarified that the existing fence and trees would be removed, but the trees would be replanted, and the fence would be replaced with engineered acoustic board fence. Amy Vickery, City Manager discussed the land disposition process.

Jennifer Pye, Planner discussed the site plan process, and the appeal process.

Mayor Laferriere inquired if there were any comments from members of Council.

Councillor Whalen inquired if the parking and driveways can accommodate fire equipment. Staff clarified that the Ontario Building Code includes access provisions for emergency vehicles.

Councillor Wilson commented that he prefers maintaining the 35 percent minimum landscaping area, in accordance with the City's Zoning By-law, during the site plan process.

Councillor Ducharme inquired about the number of bedrooms in each unit. Candice Micucci advised that the units would have one to two bedrooms.

Mayor Laferriere declared that this public meeting is closed, and Council will give due consideration to the application.

8. Public Works

a) Delegations/Communications

None

b) Administrative Reports

1. Memo No. 031-2023-PW – Environmental Services Operations Update

Resolution No. 2023-406

Moved by: Councillor Wilson

Seconded by: Councillor Whalen

Be it resolved that Council for the City of Temiskaming Shores acknowledges receipt of Memo No. 031-2023-PW, regarding the Environmental Services Operations Update.

Carried

2. Memo No. 032-2023-PW – Dedicated Locator Service Provider - Spatial GIS and Mapping Data Sharing

Resolution No. 2023-407

Moved by: Councillor Ducharme

Seconded by: Councillor Pelletier-Lavigne

Be it resolved that Council for the City of Temiskaming Shores acknowledges receipt of Memo No. 032-2023-PW;

That Council provide the Municipal Clerk with the delegated authority to sign the Dedicated Locator Regional Request Notice/ Member Authorization form(s);

That Council provide the Municipal Clerk with the delegated authority to enter into an agreement with the Dedicated Locate Service Provider to use the Spatial GIS and Mapping data in electronic format, for the purpose of the Community Network Partners Dedicated Locator Regional Project for Fibre to The Home; and

Further that Council directs Staff to prepare the necessary by-law to confirm the data sharing agreement, at the December 19, 2023 Regular Council meeting.

Carried

3. Memo No. 033-2023-PW – Transportation Services Operations Update

Resolution No. 2023-408

Moved by: Councillor Graydon

Seconded by: Councillor Whalen

Be it resolved that Council for the City of Temiskaming Shores acknowledges receipt of Memo No. 033-2023-PW, regarding the Transportation Services Operations Update.

Carried

4. Administrative Report No. PW-027-2023 – FoodCycler Pilot Program

Resolution No. 2023-409

Moved by: Councillor Wilson

Seconded by: Councillor Ducharme

Be it resolved that Council for the City of Temiskaming Shores acknowledges receipt of Administrative Report PW-027-2023;

That Council directs staff to include funds within the 2024 Solid Waste Operating Budget for the FoodCycler Pilot Project; and

That Council directs staff to prepare the necessary by-law to enter into an agreement with Food Cycle Science Corporation for the supply and delivery of the FoodCycler product, and to help with the management of the Pilot Project based on 100 households, for an estimated net municipal cost of \$12,500.00, for consideration at the December 19, 2023 Regular Council meeting.

Carried

5. Administrative Report No. PW-028-2023 – Equipment Rental – ExcavatorResolution No. 2023-410

Moved by: Councillor Graydon

Seconded by: Councillor Whalen

Be it resolved that Council for the City of Temiskaming Shores acknowledges receipt of Administrative Report PW-028-2023; and

That Council directs Staff to prepare the necessary By-law to amend By-law No. 2019-016, as amended, to enter into an agreement with Pedersen Construction (2013) Inc., to permit an additional one (1) year extension for the Equipment Rental Excavator c/w Operator for Water/Sewer Breaks and repairs, at the same rental rates, outlined in the current agreement:

Description	Regular Rate (+tax)	After Hour Rate (+ tax)
Float Time	\$160.00/ hour	\$200.00/ hour
Breaker Attachment	\$260.00/ hour	\$300.00/ hour
Excavation Time	\$160.00/ hour	\$200.00/ hour

for consideration at the December 19, 2023 Regular Council Meeting.

Carried

c) New Business

None

9. Recreation Services**a) Delegations/Communications**

None

b) Administrative Reports

1. Memo No. 026-2023-RS – Splash Pad Ad-Hoc Committee

Resolution No. 2023-411

Moved by: Councillor Ducharme

Seconded by: Councillor Wilson

Be it resolved that Council for the City of Temiskaming Shores acknowledges receipt of Memo No. 026-2023-RS; and

That Council directs staff to prepare the necessary by-law to repeal By-law No. 2017-103, to adopt a Terms of Reference for the Temiskaming Shores Splash Pad Committee as the Committee has completed their mandate, for consideration at the December 19, 2023 Regular Council Meeting.

Carried

2. Memo No. 027-2023-RS – Recreation Operations Update – December 2023

Resolution No. 2023-412

Moved by: Councillor Graydon

Seconded by: Councillor Pelletier-Lavigne

Be it resolved that Council for the City of Temiskaming Shores acknowledges receipt of Memo No. 027-2023-RS, regarding the Recreation Operations Update for the Month of December 2023.

Carried

3. Administrative Report No. RS-027-2023 – Recreation Department Fees Update

Resolution No. 2023-413

Moved by: Councillor Wilson

Seconded by: Councillor Ducharme

Be it resolved that Council for the City of Temiskaming Shores acknowledges receipt of Administrative Report No. RS-027-2023; and

That Council directs staff to amend By-law No. 2012-039 (Departmental User Fees) as amended, to update Recreational Fees for 2022-2024, for consideration at the December 19, 2023 Regular Council meeting.

Carried

4. Administrative Report No. RS-028-2023 – Haileybury Beach Mushroom Water Feature Replacement

Resolution No. 2023-414

Moved by: Councillor Pelletier-Lavigne

Seconded by: Councillor Graydon

Be it resolved that Council for the City of Temiskaming Shores acknowledges receipt of Administrative Report No. RS-028-2023; and

That Council directs staff to prepare the necessary by-law to enter into an agreement with Nirbo Aquatic Inc., for the supply of splash pad equipment in the amount of \$15,196 plus applicable taxes, for consideration at the December 19, 2023, Regular Council meeting.

Carried

c) New Business

None

10. Fire Services

a) Delegations/Communications

None

b) Administrative Reports

1. Fire Activity Report – November 2023

Resolution No. 2023-415

Moved by: Councillor Ducharme

Seconded by: Councillor Wilson

Be it resolved that Council for the City of Temiskaming Shores acknowledges receipt of the Fire Activity Report for the month of November 2023, for information purposes.

Carried

c) New Business

None

11. Corporate Services

a) Delegations/Communications

None

b) Administrative Reports

1. Amendment to By-Law No. 2023-122 - A by-law to regulate the care and control of animals, and the registration of dogs and cats within the City of Temiskaming Shores

Resolution No. 2023-416

Moved by: Councillor Pelletier-Lavigne

Seconded by: Councillor Whalen

Whereas on November 21, 2023, Council gave first and second reading to By-law No. 2023-122, being a by-law to regulate the care and control of animals, and the registration of dogs and cats within the City of Temiskaming Shores; and

Whereas prior to third and final reading, Council authorizes the addition of a provision to regulate the number of cats and dogs in the Mobile Home Residential Zone, the Agriculture (A1) and Rural (RU) Zones, and all other zones that permit a dwelling or a dwelling unit, as defined in the City's Zoning By-Law.

Be it resolved that Council for the City of Temiskaming Shores directs staff to amend By-law No. 2023-122, being a by-law to regulate the care and control of animals, and the registration of dogs and cats within the City of Temiskaming Shores, by replacing Subsection 4.2.1, under Section No. 4.2 Number of Dog and Cats, with the following provision, prior to third and final reading of said by-law:

- 4.2.1 The total number of permitted Dogs and Cats within a Dwelling Unit in each Zone of the Municipality, as defined in the Zoning By-law, shall be as follows:

Zone	Number of Permitted Dogs	Number of Permitted Cats	Combined Total
Rural Residential (R1) Low Density Residential (R2) Medium Density Residential (R3)	3	3	n/a
High Density Residential (R4), Mobile Home Residential (M4), and all other zones that permit a Dwelling/ Dwelling Unit	2	2	3
Agriculture (A1), and Rural (RU) with a Dwelling/ Dwelling Unit	4	4	n/a

Carried

2. Memo No. 029-2023-CS – Approval to Transfer surplus/deficit funds to/from Reserve and Reserve Funds

Resolution No. 2023-417

Moved by: Councillor Wilson

Seconded by: Councillor Ducharme

Be it resolved that Council for the City of Temiskaming Shores acknowledges receipt of Memo No. 029-2023-CS; and

That Council for the City of Temiskaming Shores hereby directs the Treasurer to transfer any surplus/deficit from 2023 to/from the applicable Reserve or Reserve Funds per the summary below:

Program or Service	To/From Reserve or Reserve Fund
Bucke Park Operations	Bucke Park Reserve
Business Improvement Area (BIA)	BIA Reserve
Cemetery Operations	Cemetery Reserve
Doctor Recruitment	Doctor Recruitment Reserve
Elections	Elections Reserve
Fire Marque and Auto Extrication Net Revenues	Fire Equipment Reserve

Gain on Sale of Surplus Fleet Assets	Fleet Replacement Reserve
Land Leases and Net Land Sales	Community Development or Economic Development Reserve
Landfill Operations	Landfill Reserve
Medical Centre	Medical Centre Reserve
Municipal Budget Capital	Working Funds Reserve
Municipal Budget Environmental Operations	Environmental Water Working Fund and/or Environmental Sewer Working Fund Reserve
Municipal Budget General Operations	Working Funds Reserve
Municipal Transit Operations	Municipal Transit Reserve
Temiskaming Shores Library	Library Reserve

And further that any other surplus/deficit not listed above from the 2023 fiscal year be transferred to/from Working Funds Reserve.

Carried

3. Memo No. 030-2023-CS – 2024 Borrowing By-law

Resolution No. 2023-418

Moved by: Councillor Graydon

Seconded by: Councillor Whalen

Be it resolved that Council for the City of Temiskaming Shores acknowledges receipt of Memo No. 030-2023-CS; and

That Council directs staff to prepare the necessary by-law to authorize borrowing from time-to-time to meet current expenditures during the Fiscal Year ending December 31, 2024, for consideration at the December 19, 2023 Regular Council meeting.

Carried

4. Administrative Report No. CS-043-2023 Spur Line Lease Agreement Renewal

Resolution No. 2023-419

Moved by: Councillor Wilson

Seconded by: Councillor Ducharme

Be it resolved that Council for the City of Temiskaming Shores acknowledges receipt of Administrative Report No. CS-043-2023; and

That Council directs staff to prepare the necessary by-law to renew the current agreement with Kyle and Maria Overton for the use of the Spur Line building for an additional five (5) year term, for consideration at the December 19, 2023 Regular Council meeting.

Carried

5. Administrative Report No. CS-044-2023 – POA Interim Transfer Agreement Renewal

Resolution No. 2023-420

Moved by: Councillor Graydon

Seconded by: Councillor Pelletier-Lavigne

Be it resolved that Council for the City of Temiskaming Shores acknowledges receipt of Administrative Report No. CS-044-2023; and

That Council direct staff to prepare the necessary by-law to authorize the renewal of the Part III and Part IX of the Provincial Offences Act (Ontario) Interim Transfer Agreement between His Majesty the King in Right of Ontario, as represented by the Attorney General and the Corporation of the City of Temiskaming Shores, for consideration at the December 19, 2023 Regular Meeting.

Carried

6. Administrative Report No. CS-045-2023 – Procurement Policy Amendment

Resolution No. 2023-421

Moved by: Councillor Ducharme

Seconded by: Councillor Wilson

Be it resolved that Council for the City of Temiskaming Shores acknowledges receipt of Administrative Report No. CS-045-2023; and

That Council directs staff to prepare the necessary by-law to amend By-law No. 2017-015, to adopt a Procurement Policy for the City of Temiskaming Shores, to provide additional context for electronic bidding/ signatures, for consideration at the December 19, 2023 Regular Council meeting.

Carried

7. Administrative Report No. CS-046-2023 – Multi-Year Accessibility Plan 2024-2028

Resolution No. 2023-422

Moved by: Councillor Whalen

Seconded by: Councillor Graydon

Be it resolved that Council for the City of Temiskaming Shores acknowledges receipt of Administrative Report No. CS-046-2023; and

That Council directs staff to prepare the necessary by-law to adopt a Multi-Year Accessibility Plan 2024-2028, for consideration at the December 19, 2023 Regular Council meeting.

Carried

8. Administrative Report No. CS-047-2023 – Municipal Property Assessment Corporation Data Sharing and Services Agreement

Resolution No. 2023-423

Moved by: Councillor Wilson

Seconded by: Councillor Ducharme

Be it resolved that Council for the City of Temiskaming Shores acknowledges receipt of Administrative Report No. CS-047-2023; and

That Council provides the Treasurer with the delegated authority to sign the Municipal Property Assessment Corporation (MPAC) Data Sharing and Services Agreement (DSSA).

Carried

9. Administrative Report No. CS-048-2023 – Digital Marketing Services for the Northern Ontario Mining Showcase (NOMS) at the PDAC & CIM Conventions - 2024

Resolution No. 2023-424

Moved by: Councillor Whalen

Seconded by: Councillor Graydon

Be it resolved that Council for the City of Temiskaming Shores acknowledges receipt of Administrative Report No. CS-048-2023; and

That Council directs staff to prepare the necessary By-law to enter into an agreement with the Detail Media & Communications (2013) Ltd., for digital

marketing services to promote the Northern Ontario Mining Showcase at the 2024 Prospectors and Developers Association of Canada (PDAC) & the Canadian Institute of Mining, Metallurgy and Petroleum (CIM) Conventions, in the amount of \$29,900 plus applicable taxes, for consideration at the December 19, 2023 Regular Council meeting.

Carried

10. Administrative Report No. CS-049-2023 – Animal Services Contract Position

Resolution No. 2023-425

Moved by: Councillor Wilson

Seconded by: Councillor Ducharme

Be it resolved that Council for the City of Temiskaming Shores acknowledges receipt of Administrative Report No. CS-049-2023;

That Council directs staff to create a two (2) year contract position of Animal Services Coordinator, at an hourly rate of \$24.00 per hour, for an average of 15 hours per week; and

That Council directs staff to prepare the necessary By-law to repeal By-law No. 2019-106, to appoint Municipal Law Enforcement Officers, effective November 30, 2023, at the December 19, 2023 Regular Council meeting.

Carried

c) New Business

None

12. Schedule of Council Meetings

- a) Regular Council Meeting – December 19, 2023 starting at 6:00 p.m.
- b) Committee of the Whole – January 16, 2024 starting at 3:00 p.m.
- c) Regular Council Meeting – January 16, 2024 immediately following the Committee of the Whole meeting.

13. Closed Session

Resolution No. 2023-426

Moved by: Councillor Whalen

Seconded by: Councillor Pelletier-Lavigne

Be it resolved that Council agrees to convene in Closed Session at 5:00 p.m. to discuss the following matters:

- a) Under Section 239(2)(k) of the Municipal Act, 2001 – position, plan, procedure, criteria or instruction in negotiations – Waste Management;
- b) Under Section 239(2)(b) of the Municipal Act, 2001 – Personal matter (identifiable individual) – HR Update; and
- c) Under Section 239(2)(d) of the Municipal Act, 2001 – Labour relations / employee negotiations – Collective Agreement Negotiations.

Carried

Resolution No. 2023-427

Moved by: Councillor Wilson

Seconded by: Councillor Ducharme

Be it resolved that Council agrees to rise with report from Closed Session at 5:41 p.m.

Carried

Matters from Closed Session

Under Section 239(2)(k) of the Municipal Act, 2001 – position, plan, procedure, criteria or instruction in negotiations – Waste Management

Council provided staff with direction.

Under Section 239(2)(b) of the Municipal Act, 2001 – Personal matter (identifiable individual) – HR Update

Staff provided Council with an update.

**Under Section 239(2)(d) of the Municipal Act, 2001 – Labour relations /
employee negotiations – Collective Agreement Negotiations**

Staff provided Council with an update.

14. Adjournment

Resolution No. 2023-428

Moved by: Councillor Graydon

Seconded by: Councillor Whalen

Be it resolved that Council hereby adjourns its meeting at 5:42 p.m.

Carried

Mayor

Clerk



2024 Municipal Budget

Prepared by: Stephanie Leveille, Treasurer

For Presentation to Council

December 19, 2024

BUDGET REVIEW PROCESS

The Management Team has been reviewing and preparing the City's 2024 operating and capital budgets since the fall and a preliminary draft budget was presented to Committee of the Whole on November 28, 2023. As always, the main goal when preparing the 2024 budget was to remain fiscally responsible while maintaining service levels and ensuring critical infrastructure needs were addressed, all while trying to minimize the impact to the taxpayers. The 2023 annual average CPI inflation rate is slightly over 3% compared to 6.8% for 2022, and borrowing rates for 2022 and 2023 were more than double what they were compared to 2021.

In order to undertake and complete some significant capital projects in 2022 and 2023, the City has pre-committed itself to a significant amount of long-term debt. These loans are expected to be debentured gradually throughout 2024 as interest rates slowly begin to decline. Operating and capital projects within this budget were reviewed closely and were prioritized based on alignment with the Asset Management Plan, Recreation Master Plan, Active Transportation Plan or other internal capital replacement plans, immediate needs, end of life, funding opportunities and savings due to partnerships or combination of projects. The Senior Management Team was asked to reduce capital spending to bring our spending back in line with pre-pandemic levels, with the ultimate goal of eliminating the need to incur any new debt for 2024 capital investments.

Following council budget deliberation, Committee of the Whole supported and/or recommended the following, which will be addressed within this report:

- **Recommendation #1:** Reduce or eliminate new debt for capital projects.
- **Recommendation #2:** Present tax impact scenarios and frequency distribution on the average residential property based on an increase to the tax levy between 2.5% - 3.5%.
- **Recommendation #3:** Include proposed staffing changes to the operating budget.

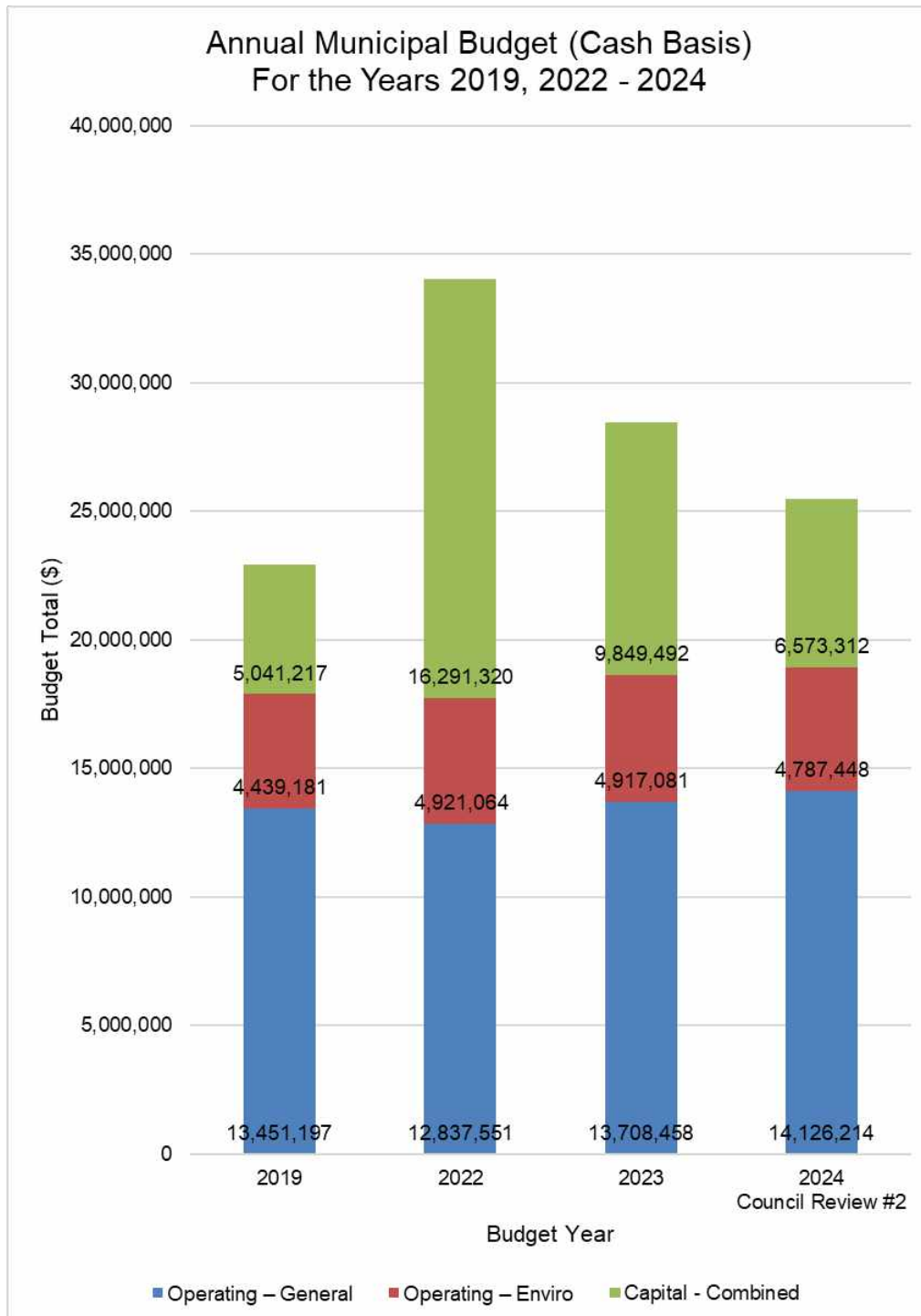
OPERATING BUDGET

The annual budget was prepared assuming maintenance to existing service levels and increases due to contractual and legislated obligations. For 2024, we are proposing a total combined budget close to \$25.5M. This represents a 3% increase to general operations, a 2.6% decrease to environmental operations and a 33.3% decrease in overall capital.

Figure 1 below illustrates historical trends on total municipal budgets (cash basis) for the City including the breakdown between operations and capital. 2020 and 2021 were excluded seeing

as operational budgets were adjusted to reflect Covid-19 impacts. It should also be noted that 2022 and 2023 capital were anomalies, as disruptions in supply chain and labour market during the pandemic impaired the City's ability to complete capital works and purchases. There were several carryovers and catch up during those two years.

Figure 1: Annual Municipal Budget Trends (Cash Basis)



The key pressures and changes to this budget are noted in Figures 2 & 3 below, with the following being the main drivers:

- **Economic Development:** The most notable change in this department is the proposal for a 3-month contract extension for the Communications position (\$10K) and an agreement with One Light Diversity Centre to provide settlement services (\$30K). Labour market is the number one issue in economic development and community growth today. The City has been supporting workforce attraction through immigration and job fairs for over a decade. Statistics have shown that although Northeastern Ontario has been reasonably successful at drawing newcomers to the region, the retention rates have not been nearly as good. This new support for welcoming and settlement services through the One Light Diversity Centre is intended to increase the retention rates of those we draw to the community, by introducing them to others and making them feel welcome in their new home.
- **Recreation:** The main driver for the increase in the recreation budget can be attributed to the requirement for additional staff in the aquatics departments. This staffing request is necessary in order to ensure appropriate succession planning due to the upcoming retirement of a member of the leadership team. Other notable changes in this department include a continued increase in the pool and fitness centre memberships/user revenues and a change in the Bucke Park Operations lease. Additionally, a contract has been signed with Ontario Northland Transportation Commission (ONTC) for the City to provide an ONTC Agency at the Waterfront Pool Fitness Centre. This new revenue stream totals approximately \$36K annually which is offset by a corresponding transfer to reserve.
- **Public Works and Fleet:** The winter control budget was increased by \$50K which is less than the expenses we've seen in the past. There was also a reduction in internal recoveries for gravel to align with past trends. Staffing changes with a total net cost of \$28K were supported by Council. One position is to ensure appropriate succession planning for a key leadership position, and the other change was the removal of a patrol position to be replaced by an additional water/sewer maintenance position.

The capital lease program for small fleet replacement with Enterprise was increased by \$56K over last budget. The Fleet reserve is expected to be depleted by 2024 and the

balance will be insufficient to offset 2024 principle, interest and capital lease expenses in excess of the Fleet Replacement Plan. An increase of \$70K to parts and maintenance for fleet has also been incorporated in this budget. It should be noted that the 2023 year-to-date actuals for parts and maintenance currently exceed the 2023 budget.

- **Solid Waste:** New landfill operational requirements in accordance with the Environmental Compliance Approval (ECA) resulted in an increase of approximately \$95K to the landfill operations contract. Recycling operations assumes an increase of \$75K. Additionally, there was an increase to operational projects which have been identified in ***Appendix A: Operating Project List*** at the end of the report, and an increase of \$40K to the transfer to reserves. Landfill and recycling revenues are expected to increase by approximately \$160K which partially offset the increase in expenses noted above.
- **Transit:** An increase to the transit budget has been included. Budgeted transit revenues were decreased by \$85K to align with past trends and current year end projections. This adjustment factors in the recently approved increase to transit fares which had not been adjusted since 2018 for monthly passes and since 2022 for individual fares. Additionally, an increase to wages was included to allocate a portion of the Mechanic and Shop Clerk's time to Transit. It is expected that proactive routine maintenance by the new Mechanic will assist in reducing repair costs. Although a contract was executed at the beginning of the year with a new contractor, the City of Temiskaming Shores and the Town of Cobalt have yet to enter into an agreement or memorandum of understanding for transit services. The transit committee is committed to explore additional revenue generation and funding opportunities.
- **Library:** The Library Board has recently reviewed their investment policy and has adjusted the transfer from the trust fund in alignment with their disbursement quota. This resulted in an \$8K reduction in revenues. Additionally, a change in the staffing structure is proposed with the goal of improving staff retention at the library. The overall changes have resulted in an increase of 5.8% for library services.
- **Policing and Social Services:** Policing and Social Services expenditures are expected to decrease by 3.1% for 2024. This is comprised of a decrease of 11.9% to municipal policing costs or \$295K. Almost half of this reduction is offset by the assumed increases

to the Timiskaming Health Unit (THU) fees and District of Timiskaming Social Services Administration Board (DTSSAB) fees. The estimated increases total \$125K which were both not available at the time of writing this report.

- **Capital Financing:** Due to high interest rates, 2022 and 2023 long-term borrowing for capital was deferred. Seeing as interest rates have started declining, it is expected that the City will execute the debentures that were deferred in 2024 to stabilize cash flow. Ontario Community Infrastructure Funding (OCIF) continues to be used to offset all principal and interest costs associated with the 2021/22 Roads Program as approved in the 2021 Budget.
- **Ontario Municipal Partnership Fund (OMPF):** An increase of 1.9% or \$62.8K has been included in accordance with the 2024 Allocation Notice.
- **Assessment Growth:** 2023 assessment growth has been included in the budget however, 2024 growth is not included. See Figure 2 below for 2017-2023 Assessment Growth (Taxable & PIL). The average total net growth between 2017-2023 was \$6.7M.

Figure 2: 2017-2023 Assessment Growth (Taxable & PIL)



- **Statutory Benefits:** Statutory benefit costs were adjusted in accordance with the 2024 guidelines.
- **Utilities:** Assumed an increase based on average rates, past usage, plus a 2% increase.
- **Water Treatment & Distribution:** In order to reduce service interruptions, it is critical that the City's existing assets be maintained and repaired as required. In the proposed Environmental Services budget, we have included an increase of \$62K for the addition of a water/sewer maintenance position. With the significant increase in water breaks (an average of two breaks per week, which is an increase in breaks of 50% from the 2004-2013 averages), this position was fully supported.

Also included in this budget is an increase of \$115K to chemicals, an increase of \$42K to maintenance and repairs to water mains, hydrants, valves and an increase of \$65K for electricity costs for water treatment facilities. In the past there was a transfer from operations to the reserve fund which would then end up being withdrawn in the same year to be used towards capital. This accounting transaction was eliminated in the 2024 budget which appears as a reduction to the operations.

OPERATING PROJECTS

The operating budget includes a number of purchases or projects which have been recommended to enhance or improve service delivery, and in some cases identified as necessary for day-to-day operations. Within the 2024 budget, management have recommended \$590,000 in operating projects or purchases across eight cost centres. Please see **Appendix A: Operating Project List** at the end of the report for the breakdown.

Figures 3 & 4 below provide a summary of the general municipal and environmental services budgets.

Figure 3: General Municipal Operational Budget

**2024 Budget - Council Review #2
General Operations**

	Actuals		Budget					Budget Change		
	2021	2022	2023	2024	2.5%	3.0%	3.5%	Variance (\$)		Notes
	Actuals	Actuals	Final Budget	Council Review #2	Scenario #1	Scenario #2	Scenario #3	2023 Final 2024 CR#2	Increase / (Decrease)	
Council	138,561	152,195	161,105	161,500	161,500	161,500	161,500	395	0.2%	
General Government	2,545,529	2,899,024	2,547,329	2,547,477	2,547,477	2,547,477	2,547,477	148	0.0%	A
Fire Services	422,662	493,442	520,093	538,168	538,168	538,168	538,168	18,075	3.5%	B
Economic Development	278,017	(470,545)	297,038	335,331	335,331	335,331	335,331	38,293	12.9%	C
Recreation	1,435,731	1,548,648	1,657,122	1,710,034	1,710,034	1,710,034	1,710,034	52,912	3.2%	D
Property Maintenance	564,535	666,331	614,249	599,554	599,554	599,554	599,554	(14,695)	(2.4)%	E
Public Works & Solid Waste Mgmt	3,720,088	3,574,311	4,198,337	4,624,331	4,624,331	4,624,331	4,624,331	425,994	10.1%	F
Transit	170,013	135,180	314,087	397,988	397,988	397,988	397,988	83,901	26.7%	G
Libraries	351,914	353,959	402,566	426,104	426,104	426,104	426,104	23,538	5.8%	H
Net Municipal Operations	9,627,050	9,352,544	10,711,926	11,340,487	11,340,487	11,340,487	11,340,487	628,561	5.9%	
Policing	2,372,565	2,224,755	2,470,208	2,175,242	2,175,242	2,175,242	2,175,242	(294,966)	(11.9)%	I
Health & Social Services	2,780,434	2,864,630	2,926,297	3,051,548	3,051,548	3,051,548	3,051,548	125,251	4.3%	J
Policing and Social Services Expenditures	5,152,999	5,089,385	5,396,505	5,226,790	5,226,790	5,226,790	5,226,790	(169,715)	(3.1)%	
Capital Financing	1,111,851	1,313,021	928,827	950,537	950,537	950,537	950,537	21,710	2.3%	K
Ontario Municipal Partnership Fund (OMPF)	(3,186,300)	(3,202,400)	(3,328,800)	(3,391,600)	(3,391,600)	(3,391,600)	(3,391,600)	(62,800)	1.9%	L
Tax Levy Required for Operations	12,705,600	12,552,550	13,708,458	14,126,214	14,126,214	14,126,214	14,126,214	417,756	3.0%	
General Taxation (net)	(14,056,738)	(14,382,049)	(14,617,137)	(14,720,040)	(15,088,041)	(15,161,641)	(15,235,241)			M
Transfer to Capital			908,679	593,826	961,827	1,035,427	1,109,027			

Staffing requests included above

-10 months Aquatic Youth Programmer Shadow	58,311	less than 10 months of training due to vacation
-Removal of Head Guard	(8,615)	redundant with proposed Shadow Programmer position
-Removal of Patrol Position	(17,901)	redundant with proposed Water/Sewer Mtnce position
-6 month training & dev. for Superintendent of Transportation	45,655	will not get full 6 months of training due to vacation
-Communications Position - contract extension to year end	10,550	3 months
Total	88,000	costs presented include overhead but not Manulife

General Notes

Statutory benefits increased in accordance to 2024 guidelines.

As of January 1, 2024 employees and employers must contribute a second additional CPP contribution (CPP2) on earnings above the annual maximum earnings.

Expected salary increases resulting from recent union negotiations have been assumed in all staffing lines.

Operating projects are included in applicable departmental budgets. (See Appendix A: Operating Project List for breakdown)

Utilities increased based on average rate, past usage, plus a 2% inflationary increase.

Variance from 2023 Budget to 2024 Budget Council Review #2

- A - \$12,000 increase for E-scribe programming for Clerk's office. Ongoing annual cost expected.
Decrease of \$22.5K to election expenses transfer to reserve due to non-election year
Cemetery operations are unbalanced and cemetery reserves are depleted. Net expense is projected at \$45,829.
\$15,000 increase in corporate training
- B - Increase mainly due to wages, operating projects and adjustment to transfer from reserve to align with past budgeting practice
- C - Agreement with One Light Diversity Centre to provide settlement services (\$30,000)
3 month contract extension for Communications position (\$10K)
- D - Continued increase in Pool Fitness Centre membership/user revenues
Ontario Northland contact \$36K (revenue), offset by corresponding transfer to reserve
Change in Bucke Park Operations (lease)
Staffing request for succession planning for leadership position in aquatics department (\$50K)
- E - Increase to internal recoveries for wages and benefits due to adjustment in allocation method
New Liskeard Community Hall Feasibility Study included in operational projects.
- F - Public Works & Fleet:
Capital lease program for small fleet replacement increase by \$56K over last budget.
Fleet Reserve expected to be depleted by 2024. Insufficient balance to offset 2024 principle, interest and capital lease expenses in excess of the Fleet Replacement Plan.
Fleet increase of \$70K for parts and maintenance. 2023 YTD actuals currently exceed the 2023 budget.
Increase of \$50K to winter control budget, which is still lower than past trends
Reduction of \$23K to internal recoveries for gravel to align with past trends
Staffing request for succession planning for leadership position in public works (\$46K) and removal of patrol position (\$-18K)
- Solid Waste:
New landfill operational requirements resulted in an increase of approx. \$95K to expenses.
Recycling operations assumes an increase of \$75K
Increase to operational projects which are identified in Appendix A: Operating Project List
Increase of \$40K to transfer to reserve
Increase of approx. \$160K in landfill and recycling revenues which partially offset increase to expenses noted above.
- G - Decrease to transit revenues of \$85K to align with past trends and current YE projections
Increase to wages to allocate a portion of Mechanic and Shop Clerk time to Transit. Expecting that proactive routine maintenance by new Mechanic will assist in reducing repair costs.
Temiskaming Shores and Cobalt have yet to enter into an agreement or memo of understanding for transit services
- H - Increase mainly due to change in staffing structure as part of employee retention efforts
Reduction transfer from trust fund to align disbursement quota per investment policy (\$-8K)
- I - In accordance with 2024 Municipal Policing billing and Prisoner Transportation Grant allotment
- J - Increases to Health and Social Services fees based on preliminary estimates.
- K - Ontario Community Infrastructure Funding (OCIF) used to offset all principle and interest costs associated with Roads Program.
Fleet Reserve expected to be depleted by 2024. Insufficient balance to offset 2024 principle, interest and capital lease expenses in excess of the Fleet Replacement Plan.
- L - Ontario Municipal Partnership Fund (OMPF) increase in accordance to 2024 Allocation Notice
- M - Tax levy estimated using 2024 MPAC roll information.
Three scenarios for property tax levy increases were prepared: 2.5%, 3.0% and 3.5% increases are being presented for consideration

Figure 4: Environmental Services Operational Budget

2024 Budget - Council Review #2
Environmental Services - Including New Position

	Actuals		Budget		Budget Change		
	2021 Actuals	2022 Actuals	2023 Final Budget	2024 Council Review #2	Variance (\$) 2023 Final 2024 CR#2 Increase / (Decrease)	%	Notes
Administration	984,381	1,033,171	1,338,672	1,094,128	(244,544)	(18.3)%	A
Sewage Treatment & Collection	1,639,805	997,689	991,409	1,066,934	75,525	7.6%	B
Water Treatment & Distribution	1,613,237	2,003,475	1,916,743	2,007,543	90,800	4.7%	C
Capital Financing	700,415	682,677	670,257	684,204	13,947	2.1%	
W/S Revenue Required for Ops	4,937,838	4,717,012	4,917,081	4,852,809	(64,272)	(1.3)%	
User Fees	(5,089,721)	(5,253,005)	(5,221,064)	(5,462,039)			D
Transfer to Capital	151,883	535,993	303,983	609,230			

Staffing request included above:

-Water Sewer Mtnce Position minus Afternoon Patrol \$ **61,861** full year - anticipated start May
cost presented includes overhead but not Manulife

General Notes

Statutory benefits increased in accordance to 2024 guidelines.
As of January 1, 2024 employees and employers must contribute a second additional CPP contribution (CPP2) on earnings above the annual maximum earnings.
Expected salary increases resulting from recent union negotiations have been assumed in all staffing lines.
Operating projects are included in applicable departmental budgets. (See Appendix A: Operating Project List for breakdown)

Variance from 2023 Budget to 2024 Budget Council Review #2

- A - Currently no transfer to reserve built into the budget. 2023 budgeted transfer was \$348K.
Increase to staffing for the addition of a water/sewer maintenance position, partially offset by the elimination of an afternoon patrol position in PW
- B - Increase to chemicals by \$115K partially offset by savings in treatment equipment maintenance
- C - Electricity costs increased by \$65K for water treatment facilities. This estimate is higher compared to other facilities within the organization.
Water / hydrant / valve repairs and maintenance increase of \$42K. Based on past trends analysis and current costs.
- D - 2% increase to user fees incorporated into the budget.

LONG-TERM DEBT

The City currently has external debt related to capital infrastructure. The Province of Ontario limits municipal debt based on a maximum percentage of revenues that may be used to service the debt costs annually. Debt servicing costs include interest and principal payments and are currently limited to 25 per cent of the municipality's net own source revenues.

The Province of Ontario calculates the Annual Repayment Limit (ARL) for municipalities, based on the municipalities' calculation of revenues and debt servicing costs. For the year 2023, the City's ARL statement indicates that it has a repayment limit of approximately \$ 3,990,989. The Municipality's debt servicing costs are not projected to exceed the ARL in 2024. The 2024 ARL statement has not been provided to the Municipality at the time of preparing this report.

Please see **Appendix C: External Debt Summary** at the end of the report for current and projected borrowing requirements.

CAPITAL BUDGET

The municipality's capital budget represents the investment the City will make to purchase, create, repair and rehabilitate assets used to provide services to the community. One quarter of the total municipal budget is dedicated towards capital investments. The main funding sources of these assets include government grants, private partners and donors, reserves, transfer from the tax levy and long-term debt.

The figure below provides a combined summary of all 2024 capital projects. Following Recommendation # 1 from Committee of the Whole, we are pleased to report that no new investments will be funded by debt in 2024. Please see **Appendix D: Reserve and Reserve Fund Projections** at the end of the report for information purposes.

Figure 5: 2024 Capital – Combined Summary

**2024 Proposed Capital
General & Environmental Services Combined Total**

Department	Budgeted Costs	Funding / Partners	Designated Reserve	Borrowing	Working Capital Reserve	Transfer from Operations
	(A)	(B)	(C)	(D)	(E)	
Corporate Services	277,480	100,000	-	-	-	177,480
Fire & Emergency Management	65,000	35,000	7,053	-	-	22,947
Fleet	338,580	-	-	-	338,580	-
Property Maintenance	385,500	160,000	-	-	75,000	150,500
Public Works	2,246,194	878,154	489,212	-	-	878,828
Solid Waste	640,000	-	448,773	-	-	191,227
Recreation	1,141,038	373,500	-	-	679,538	88,000
Transit	573,000	573,000	-	-	-	-
Environmental	906,520	-	-	-	297,290	609,230
Grand Total	\$ 6,573,312	\$ 2,119,654	\$ 945,038	\$ -	\$ 1,390,408	\$ 2,118,212

Carryovers	965,408
New Requests	3,765,500
Previously Approved	1,842,404
Grand Total	\$ 6,573,312

HIGHLIGHTS

A detailed list of capital projects along with descriptions is available in **Appendix A** at the end of the report. The following section summarizes capital projects by cost centre with a breakdown of funding sources. Deferred projects are also noted.

2024 CORPORATE SERVICES

Project	Total Cost	Funding	Reserves	City Cost
Organizational Review Consultant	\$ 50,000			\$ 50,000
Strategic Plan Consultant	\$ 50,000			\$ 50,000
Cemetery Columbarium	\$ 27,000			\$ 27,000
Cemetery Lawn Mower (Mount Pleasant)	\$ 10,000			\$ 10,000
Cisco Router Licences	\$ 40,480			\$ 40,480
Electric Vehicle Charger	\$ 100,000	\$ 100,000 1		\$ -
Capital Projects Recommended	\$ 277,480	\$ 100,000	\$ -	\$ 177,480

1 - 75% Federal Grant, 25% Partner

If partnership unsuccessful, will fund through Economic Development Reserve

Deferred

Official Plan & Zoning Consultant	50,000
Mount Pleasant Land Stabilization	85,000 additional review in the Spring

2024 FIRE & EMERGENCY MANAGEMENT

Project	Total Cost	Funding	Borrowing	Reserves	City Cost
NFPA Washer / Extractor	\$ 15,000			\$ 7,053 a	\$ 7,947
6 Radios	\$ 15,000	1			\$ 15,000
Enclosed Trailer + 6 Radios	\$ 35,000	35,000 1			\$ -
Capital Projects Recommended	\$ 65,000	\$ 35,000	\$ -	\$ 7,053	\$ 22,947

1 - Community Emergency Preparedness Grant
Grant application total \$50,000

a - Fire Equipment Reserve

2024 PUBLIC WORKS/ENVIRONMENTAL CAPITAL PROJECTS

Project	Total Cost	Funding	Borrowing	Reserves	City Cost
Solid Waste:					
Haileybury Landfill Closure	\$ 640,000			\$ 448,773 a/c	191,227
Public Works:					
Albert Street Reconstruction (PW share Phase 2)	\$ 1,026,194	\$ 227,366 1		\$ 473,555 c	325,273
Dymond Industrial Paving (Phase 1/3)	\$ 710,000	\$ 220,788 2		\$ 489,212 b	-
Roads Program	\$ 385,000	\$ 385,000 2			-
Street Lighting Upgrades	\$ 125,000	\$ 45,000 3/4		c	80,000
Capital Projects Recommended	\$ 2,886,194	\$ 878,154	\$ -	\$ 1,411,540	\$ 596,500

1 - Ontario Community Infrastructure Fund (OCIF) Funding
2 - Federal Gas Tax
3 - Seeking Partnership (if partnership unsuccessful will use Community Development Reserve)
4 - Hydro One Energizing Life Community Fund (if not approved scope of project will be reduced by \$25,000)

a - Landfill Reserve (\$125,000)
b - Economic Development Reserve
c - Working Fund Reserve

2024 RECREATION CAPITAL PROJECTS

Project	Total Cost	Funding	Partners	Borrowing	Reserves	City Cost
Olympia Replacement (carryover)	\$ 166,828				\$166,828 a	\$ -
Albert Street - STATO	\$ 176,210				\$176,210 b	\$ -
Hlby Beach Mushroom Conversion (carryover)	\$ 20,000		\$ 20,000 #			\$ -
TS Recreational Park Upgrades	\$ 598,000	\$ 299,000	\$ 47,500 #		\$251,500 b	\$ -
Gym Equipment (Hack Squat, Treadmill)	\$ 25,000					\$ 25,000
St Michel AT Path	\$ 85,000				\$ 85,000 b	\$ -
Dymond Sports Park Fence	\$ 25,000		\$ 7,000 #			\$ 18,000
Spurline Concrete	\$ 45,000					\$ 45,000
Capital Projects Recommended	\$ 1,141,038	\$ 299,000	\$ 74,500	\$ -	\$679,538	\$ 88,000

1 - One Foot Forward (5 year agreement)
2 - Northern Ontario Heritage Fund Corporation (NOHFC) & Private Donor
3 - Smart and Caring Fund

a - Working Capital Reserve (carryover)
b - Working Capital Reserve (new)

Deferred Projects:

Whitewood Ave Buffered Cycle Lanes	\$ 205,000	Desgin is \$20,000
View St Sidewalk	\$ 60,000	
Shepherdson Road Paved Shoulders	\$ 175,000	

2024 PROPERTY MAINTENANCE

Project	Total Cost	Funding	Borrowing	Reserves	City Cost
Energy Audits (PW, PFC, CH, DSMA, RP) (Carryover)	\$ 200,000	\$ 160,000 #		\$ 40,000 a	\$ -
Pound Renovation	\$ 75,000			\$ 35,000 b	\$ 40,000
Library Roof Repair	\$ 35,000				\$ 35,000
Floor Machine Hlby	\$ 6,000				\$ 6,000
Haileybury Arena AODA Engineering	\$ 31,500				\$ 31,500
Dymond Apartment Bathroom Reno	\$ 15,000				\$ 15,000
Dymond Hall Door Replacement	\$ 13,000				\$ 13,000
Bandstand Roof Replacement	\$ 10,000				\$ 10,000
Capital Projects Recommended	\$ 385,500	\$ 160,000	\$ -	\$ 75,000	\$ 150,500

1 - Net Zero Pathways Funding (80% up to \$200,000)

a - Working Capital Reserve (carryover)

b - Working Capital Reserve (new)

2024 FLEET

Project	Total Cost	Funding	Borrowing	Reserves	City Cost
Triaxle (Carryover)	\$ 338,580			338,580	-
Capital Projects Recommended	\$ 338,580	\$ -	\$ -	\$ 338,580	\$ -

NOTES:

- Fleet Replacement Reserve expected to be depleted in 2024.

- This purchase was originally to be funded through long-term borrowing however, we are now proposing to fund through reserve

2024 TRANSIT

Project	Total Cost	Funding	Borrowing	Reserves	City Cost
Buses	\$ 573,000	\$ 573,000 1			-
Capital Projects Recommended	\$ 573,000	\$ 573,000	\$ -	\$ -	\$ -

1 - Gas Tax and ICIP

2024 ENVIRONMENTAL CAPITAL PROJECTS

Project	Total Cost	Funding	Borrowing	Reserves	City Cost
ICI Water Meters (carryover)	\$ 75,000			\$ 75,000 a	\$ -
Hlby WTP Filter Replacement #2 (carryover)	\$ 150,000			\$ 150,000 a	\$ -
Robert/Elm PS - By-pass Installation (carryover)	\$ 15,000			\$ 15,000 a	\$ -
Roof Rehab (McCamus WTP)	\$ 120,000				\$ 120,000
Hlby WTP Filter Replacement #3	\$ 420,000				\$ 420,000
North Cobalt Lagoon Rehab	\$ 90,000			\$ 20,770 b	\$ 69,230
Cisco Router Licences (8% of total project)	\$ 3,520			\$ 3,520 b	\$ -
Security Fencing - Hlby WTP	\$ 6,000			\$ 6,000 b	\$ -
Intrusion Alarm Upgrades - (WTP)	\$ 15,000			\$ 15,000 b	\$ -
Intrusion Alarm Upgrades - (WWTP)	\$ 12,000			\$ 12,000 b	\$ -
Capital Projects Recommended	\$ 906,520	\$ -	\$ -	\$ 297,290	\$ 609,230

a - Working Capital Reserve - Enviro (carryover)

b - Working Capital Reserve - Enviro (new)


TAX RATE SCENARIOS

The Municipal Property Assessment Corporation (MPAC) is responsible for accurately assessing and classifying all properties in Ontario in compliance with the Assessment Act and regulations set by the provincial government. According to the data available through MPAC, the assessment for the median residential property in Temiskaming Shores is valued at \$192,000 and the average commercial occupied property is assessed at \$280,743.

In order to address Recommendation # 2 from Council, which is to demonstrate the impact of a tax increase on the median residential property and the average commercial occupied property in Temiskaming Shores, a few analyses are provided below.


Figure 6: Tax Scenario Impact Analysis

What does a tax increase represent for residential taxpayers in 2024?


Median Single Family Detached Home Assessment		\$ 192,000 			
Property Tax Levy Increase	2023	2.5%	3.0%	3.5%	
Water/Wastewater Increase		2.0%	2.0%	2.0%	
Impact Analysis					
Property Tax	2,303	65	80	95	
Education	294	-	-	-	
Water/Wastewater Fees	1,011	20	20	20	
Solid Waste Diversion Fee (SWDF)	38	2	2	2	
Total Annual Impact to Median Household	\$ 3,645	\$ 87	\$ 102	\$ 117	
Total Monthly Impact to Median Household		\$ 7	\$ 9	\$ 10	

Proposed Levy Increase	2023 Mun Rate	2024 Mun Rate	Change (%)
2.50%	0.01199420	0.0123333600	2.83%
3.00%	0.01199420	0.0124132600	3.49%
3.50%	0.01199420	0.0124878200	4.12%

Breakdown of Property Taxes

Median Single Family Detached Home Assessment		\$ 192,000 			
Property Tax Levy Increase		2.5%	3.0%	3.5%	
Water/Wastewater Increase		2.0%	2.0%	2.0%	
Impact Analysis					
	2023	2024 Proposed			
Property Tax	2,303	2,368	2,383	2,398	
Education	294	294	294	294	
Water/Wastewater Fees	1,011	1,031	1,031	1,031	
Solid Waste Diversion Fee (SWDF)	38	40	40	40	
Total Annual Property Taxes	\$ 3,645	\$ 3,733	\$ 3,748	\$ 3,762	
Monthly Property Taxes	\$ 304	\$ 311	\$ 312	\$ 314	
Additional Property Taxes to be Paid in 2024		\$ 87	\$ 103	\$ 117	


What does a tax increase represent for commercial taxpayers in 2024?

Average Commercial Occupied Assessment (CT Category)		\$ 280,743 			
Property Tax Levy Increase	2023	2.5%	3.0%	3.5%	
Water/Wastewater Increase		2.0%	2.0%	2.0%	
Impact Analysis					
Property Tax	6,699	86	86	86	
Education	2,751	-	-	-	
Water/Wastewater Fees	976	20	20	20	
Solid Waste Diversion Fee (SWDF)	38	2	2	2	
Total Annual Impact to Average Commercial	\$ 10,464	\$ 107	\$ 108	\$ 108	
Total Monthly Impact to Average Commercial		\$ 9	\$ 9	\$ 9	

**Note that CS had approved the gradual elimination of the sub-class reduction.
This has been applied and means a greater impact to excess and vacant properties*

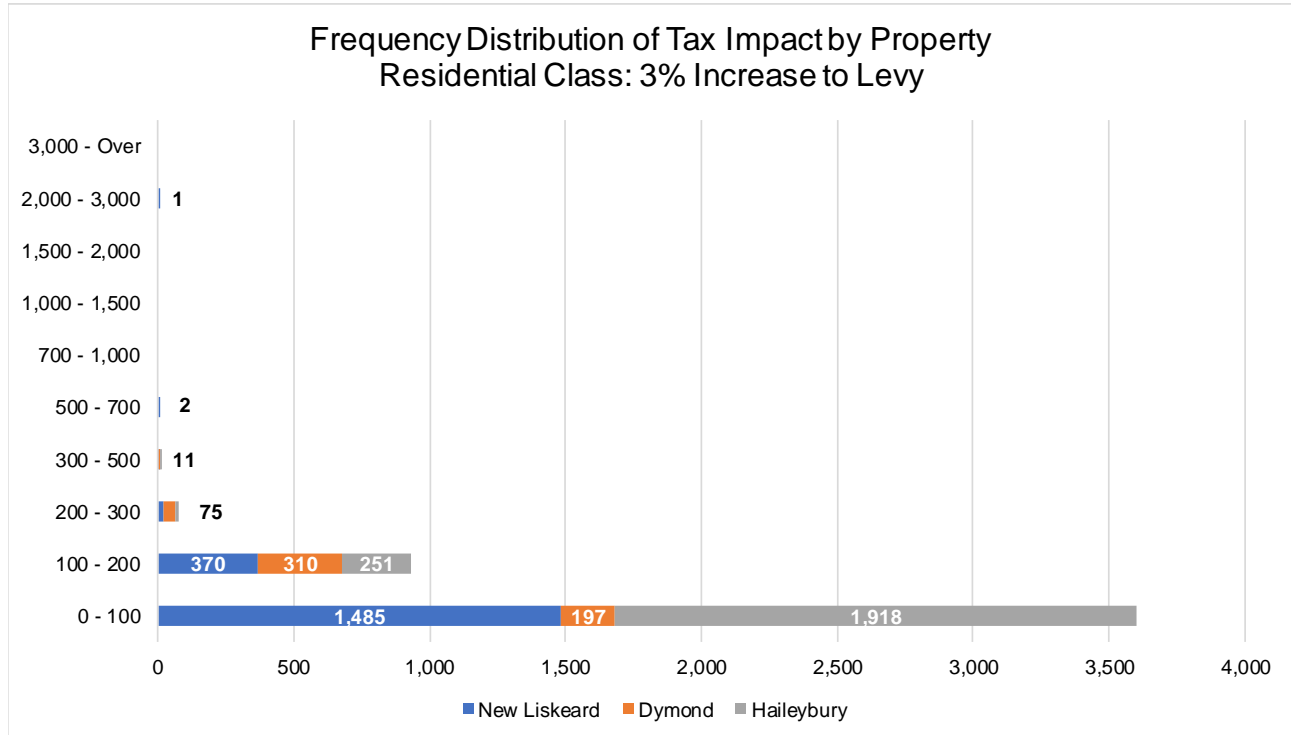
Proposed Levy Increase	2023 Mun Rate	2024 Mun Rate	Change (%)
2.50%	0.0238612	0.024167400	1.28%
3.00%	0.0238612	0.024168210	1.29%
3.50%	0.0238612	0.024169010	1.29%

Breakdown of Property Taxes

Average Commercial Occupied Assessment (CT Category)		\$ 280,743 			
Property Tax Levy Increase		2.5%	3.0%	3.5%	
Water/Wastewater Increase		2.0%	2.0%	2.0%	
Impact Analysis					
	2023	2024 Proposed			
Property Tax	6,699	6,785	6,785	6,785	
Education	2,751	2,751	2,751	2,751	
Water/Wastewater Fees	976	995	995	995	
Solid Waste Diversion Fee (SWDF)	38	40	40	40	
Total Annual Property Taxes	\$ 10,464	\$ 10,571	\$ 10,572	\$ 10,572	
Monthly Property Taxes	\$ 872	\$ 881	\$ 881	\$ 881	
Additional Property Taxes to be Paid in 2024		\$ 107	\$ 108	\$ 108	

**Note that CS had approved the gradual elimination of the sub-class reduction.
This has been applied and means a greater impact to excess and vacant properties*

Frequency Distribution of Tax Impact by Property For the 2024 Taxation Year *Residential Class with a 3% Increase on Levy*



Analysis:

- A - Lower assessed properties (\$300-\$242,000) would see an average increase of \$57 for the year
This represents 78% of residential properties
At least 630 out of 3,600 properties are assumed to be vacant lots as the assessed values are less than \$50,000
- B - 20% of residential properties are assessed in between \$242,700-\$482,000
Those properties can expect an increase in between \$100 - \$200 for municipal taxes only

1.9% of residential properties (or 88 out of 4,620) are assessed between \$472,000-\$1,525,000
Those properties can expect an increase in between \$200 - \$535 for municipal taxes only
Half of these properties are located in the areas of: Lakeshore, Quarry, Hwy 65, Benoit, Dawson Point
- C - One property has an assessed value greater than \$5,500,000
This will have a direct impact on the City's operating expense as there is a council agreement for the property taxes
Expected increase to the tax write-off is \$2,324

CONCLUSION

The Government of Ontario establishes the province's assessment and taxation regulations and for 2024, property assessments continue to be based on January 1, 2016 values. The Minister of Finance has not made any announcements at this time regarding the next update to property assessment values. Projected growth for the City in 2024 has not been incorporated into this budget however past trends have been included in this report.

Three scenarios have been presented in the 2024 Draft Budget: 2.5%, 3% and 3.5% increases to the tax levy. The capital budget assumes a 3% tax levy increase which represents an increase in the transfer to capital of \$127K. We are seeking final recommendation from Council on the tax levy as well as approval of the budget in principle. The increase to the tax levy would have a direct impact on the capital projects presented in the budget, specifically the City's ability to undertake and fund the projects.

Appendix A: Operating Project List

City of Temiskaming Shores 2024 Operating Projects Budget Summary

Operating Projects	Estimated Cost
Building Maintenance	\$ 31,000
City Hall Floor Scrubber	\$ 4,000
New Liskeard Arena Side Door Replacement	\$ 7,000
New Liskeard Community Hall Renovation Feasibility Study	\$ 15,000
Pool Fitness Centre Window Replacement	\$ 5,000
Environmental - Sanitary	\$ 124,000
Consolidated Linear Infrastructure Environmental Compliance Approvals (CLI ECA) - Regulatory Requirements	\$ 25,000
Master Electrician	\$ 4,000
Sewer Facility Maintenance	\$ 10,000
Sewer Related Equipment Maintenance	\$ 85,000
Environmental - Water	\$ 191,000
Master Electrician	\$ 4,000
Parallel PT - New Liskeard/Dymond/Haileybury Reservoir	\$ 45,000
Rotameter Replacement - New Liskeard & Haileybury Water Treatment Plant	\$ 7,000
Stainless Steel Pilot Kits on Control Valves -New Liskeard Water Treatment Plant	\$ 25,000
Turbidity/PH/Temp Analyzers - Hilby Water Treatment Plant	\$ 15,000
Water Facility Maintenance	\$ 10,000
Water Related Equipment Maintenance	\$ 85,000
Fire	\$ 9,000
6 Pagers	\$ 4,000
Sparky Costume	\$ 5,000
Fleet	\$ 20,000
On-board Diagnostics (OBD) reader + fees	\$ 10,000
Tires - for Heavy Duty Equipment	\$ 10,000
Public Works	\$ 75,000
Road Safety Initiatives	\$ 15,000
Sidewalks / Accessibility for Ontarians with Disabilities Act (AODA) / Tactile / Push Buttons	\$ 50,000
Storm Weeping Tile on Lakeshore Road	\$ 10,000
Recreation	\$ 75,000
Haileybury Marina Redecking	\$ 15,000
Harbourplace Deck Repair	\$ 15,000
Playground Surfacing	\$ 25,000
Recreation Parks Equipment	\$ 20,000
Recycling	\$ 35,000
Food Cycler Program	\$ 35,000
Solid Waste	\$ 30,000
Monitoring Well at New Landfill Site	\$ 30,000
Grand Total	\$ 590,000

Department	Dept. Total Estimated Cost
Building Maintenance	\$ 31,000
Environmental - Sanitary	\$ 124,000
Environmental - Water	\$ 191,000
Fire	\$ 9,000
Fleet	\$ 20,000
Public Works	\$ 75,000
Recreation	\$ 75,000
Recycling	\$ 35,000
Solid Waste	\$ 30,000
Grand Total	\$ 590,000

Appendix B: Detailed Capital Project List

Cost Centre	Project / Purchase	Budgeted Cost	Project Description
Fire Services	National Fire Protection Association (NFPA) Washer / Extractor (Station 2 New Liskeard)	\$ 15,000	NFPA 1851 requires firefighter protective clothing to be subjected to advance cleaning after every exposure to fire or smoke resulting from emergency responses or training. Soiled or contaminated gear is a hazard to firefighters, as soils and contaminants can be flammable, toxic, or carcinogenic. Additionally, soiled, or contaminated gear can have reduced protective performance.
	Portable R7 Digital Two-Way Mototurbo Radios (6)	\$ 15,000	This is a continuation of portable radio replacement program started in 2023. The department's portable radios are currently 10 years old, Motorola provides service support for 7 years only.
	Enclosed Trailer + Additional Portable R7 Digital Two-Way Mototurbo Radios (6)	\$ 35,000	The enclosed trailer will increase our capacity to transport the new remote access vehicle and support equipment to required locations. The portable radios will be included in the departments portable radio replacement program. <i>It should be noted that both items are dependent on funding through the Community Emergency Preparedness Grant.</i>
Corporate Services	Organizational Review Consultant	\$ 50,000	Consultant services to provide a full organizational review including job evaluations, update job descriptions, benchmarking.
	Strategic Plan Consultant	\$ 50,000	Consultant services to provide guidance on the development of a strategic plan.
	Cemetery Columbarium	\$ 27,000	Columbarium at the Haileybury cemetery is currently sinking on one corner. This will project will realign and stabilize the structure
	Cemetery Lawn Mower (Mount Pleasant)	\$ 10,000	New mower for Haileybury cemetery. Current mower has reached end of life.
	Cisco Router Licenses	\$ 40,480	Current license renewals are due in 2024. Costs proportionally shared between Corporation Services and Environmental.
	Electric Vehicle Charger	\$ 100,000	To be installed downtown New Liskeard. Working on partnership.

Cost Centre	Project / Purchase	Budgeted Cost	Project Description
Solid Waste	Haileybury Landfill Closure	\$ 640,000	With the opening of the New Liskeard landfill in 2023, the Haileybury landfill stopped accepting waste. In accordance with the Environmental Compliance Approval (ECA) and Ministry approved Closure Plan, final capping of the Haileybury landfill is required in 2024. This involves the placement of non-permeable material (clay), topsoil and grass seed.
Public Works	Albert Street Reconstruction (PW share Phase 2)	\$ 1,026,194	Project was awarded in 2023 with the plan for a two-year completion schedule. The following work will take place in 2024: adjustments to structures and base, preparation and pouring of concrete curb and gutter, laying of asphalt road and active travel path, landscaping / yard touch ups as required.
	Dymond Industrial Paving (Phase 1/3)	\$ 710,000	<p>Phase 1 of this project consists of paving a portion of the Dymond Industrial Park from Mik Mak along Hawn to the intersection with Rockley. It incorporates approximately 500 meters of road and 13 business entrances. The current gravel system is capable of handling road users however the structure presents a never-ending maintenance issue. There are only a handful of roads within the City that receive as much maintenance as Hawn and Brazeau. Regular maintenance activities for the industrial park include but are not limited to: liquid or flake calcium minimum 4 times/year, grading once/week, washouts often after heavy rainfall approx 3-4 times/summer, culvert maintenance very spring, snow ditching, ditch cleanouts and pothole repairs.</p> <p>Proceeding with Phase 1 does not necessarily mean a pre-commitment to Phases 2 and 3 for the following year. The next phases would be evaluated at the time they are brought forward and would be dependant on our financial situation and funds available in the Economic Development Reserve.</p>
	Roads Program	\$ 385,000	This project consists of road rehabilitation work which was identified and prioritized according to the asset management plan, pavement condition index, road use and function, approximations of average annual daily traffic, maintenance class type and operational review

Cost Centre	Project / Purchase	Budgeted Cost	Project Description
			and records. Also, below ground infrastructure was another factor in the consideration for road repairs.
	Street Lighting Upgrades	\$ 125,000	<p>Phase 1 of this project was approved in 2021 but deferred due timing and high cost of fixtures. Street lighting is deteriorating fast, especially on the "Highway" route through New Liskeard and Haileybury downtowns and are starting to present safety concerns. Old steel poles cannot handle the sand salt mixture that is thrown at them. We have approximately 22-25 foot poles in downtown Haileybury that would be changed over time, and LED upgrades would be for both Haileybury and New Liskeard downtowns and walking paths. Not only will the replacement of these lights minimize safety concerns but they will also provide savings in terms of energy costs.</p> <p>Not all 25 foot poles will be changed during this budget year as the proposed budget would not be sufficient. Staff will work with successful contractor to supply as many as possible within the proposed budget.</p>
Recreation	Olympia Replacement (carryover)	\$ 166,828	The City budgeted for the replacement of its Olympia machine in the 2022 Capital budget. The project was awarded to Resurface Inc. who are slated to assemble the machine in the upcoming months.
	Albert Street - STATO	\$ 176,210	<i>See description noted in public works share of the project.</i>
	Temiskaming Shores Recreational Park Upgrades	\$ 598,000	Upgrades to Farr Park and Shaver Park. Farr Park is planned to receive paving for the parking lot, an expansion to the basketball court to make it full size, a resurfaced tennis court, path lighting, improvements to the ball diamond infield and backstop and the purchase of a ball diamond groomer. This renovation to Farr Park will setup the park for the installation of an accessible playground in a future year. At Shaver Park, in conjunction with a private donor, we will pave the surface of the outdoor rink, replace the end fencing of the outdoor rink and paint a bicycle obstacle course on the new surface.

Cost Centre	Project / Purchase	Budgeted Cost	Project Description
	Gym Equipment (Hack Squat, Treadmill)	\$ 25,000	The gym equipment at the pool and fitness centre requires ongoing replacement. With the cost of high-quality commercial equipment continually rising there is a need for consistent turnover of machines. With 43 pieces of equipment, we have been trying to replace at least one large piece every year so that the fitness centre does not fall behind and have a large equipment deficit. Membership revenue at the PFC tops \$155,000 yearly and can be partially attributed to the quality of equipment available to use. Our treadmills and bikes are the most popular pieces of equipment. With one treadmill at the end of its useful life we will replace it with a new model and replace our current hack squat machine.
	Haileybury Beach Mushroom Conversion (carryover)	\$ 20,000	Installation of small "splash pad" at the Haileybury beach, fully funded
	St. Michel Active Travel Path	\$ 85,000	As per the Recreation Master Plan, and the Active Transportation Plan, active travel improvements near schools are a priority. This multi-use path would complete a small missing link between Dymond and the back entrance to St. Michel school. This project entails the installation multi-use paved path approximately 3m wide x 210m in length, between Laurette St and the back entrance to St-Michel school. CSCDGR has provided support in writing for this project and will complete their own improvements from the property line to the school to fully connect the new path.
	Dymond Sports Park Fence	\$ 25,000	The current fence on this field is made up of wood and is slowly rotting away. We plan to install a new standard, 6' chain link fence approximately 5' in front of the current fence and then remove the old fence. The distance to be installed is approximately 400ft.
	Spurline Concrete	\$ 45,000	With the splash pad completed we would like to tackle this walkways replacement project which has been on hiatus. It would see the replacement of the too small or cracked walkways along each side of the building. In their place would be 7ft wide new concrete paths. We would also construct a new path from the male washroom to the new splash pad walkway and replace the boardwalk between the building and the new parking lot.

Cost Centre	Project / Purchase	Budgeted Cost	Project Description
			All this work is to improve accessibility in this high traffic area.
Property Maintenance	Energy Audits (PW, PFC, CH, DSMA, RP) (carryover)	\$ 200,000	This is a carryover project from 2023. The City has targeted a grant through the Federation of Canadian Municipalities to have a Net Zero pathway created for 14 buildings. The net-zero pathway will provide the city with a costed plan to reduce greenhouse gas emissions at 14 of our highest emitting buildings over the next 15 years with energy efficiency upgrades. These upgrades would provide operational cost savings which would accrue every year and help ensure the municipality can meet emission reduction targets.
	Pound Renovation	\$ 75,000	Renovation of the Haileybury South Marina building to incorporate the animal pound.
	Library Roof Repair	\$ 35,000	The library roof suffers from heat loss around the elevator shaft which creates ice dams and water infiltration around the elevator in the lobby. To fix this issue we are proposing to use spray foam insulation on this portion of the roof, add ice and water shield and add extra flashing.
	Floor Machine Haileybury	\$ 6,000	Purchase of a floor machine to clean the Haileybury Arena / Community Hall floors. This will improve staff efficiency and improve on cleanliness of the facility.
	Haileybury Arena Accessibility for Ontarians with Disabilities Act (AODA) Engineering	\$ 31,500	The Haileybury arena is one of the last public spaces that the City needs to modify to meet AODA standards. This project will create a detailed design to meet those standards. Renovations would be proposed at a later date.
	Dymond Apartment Bathroom Reno	\$ 15,000	Repair to water leak around tub/shower
	Dymond Hall Door Replacement	\$ 13,000	Front entrance door does not function properly - accessibility concern
	Bandstand Roof Replacement	\$ 10,000	Roof is very old and requires replacement
Fleet	Triaxle (carryover)	\$ 338,580	Tandem trucks are outdated and are limited with their gross weight. This request is to purchase a Triaxle to replace the 21-12 International Tandem. The proposed replacement is expected to

Cost Centre	Project / Purchase	Budgeted Cost	Project Description
			generate savings in terms of maintenance and fuel costs. Since it will have more box capacity, it will mean less rentals and less trips. We can also expect a reduction of greenhouse gases.
Transit	Transit Buses (2)	\$ 573,000	Purchase of two new accessible buses including accessories.
Environmental	Industrial, Commercial, Institutional (ICI) / Multi-Residential Water Meter Program – (carryover)	\$ 75,000	In 2022, Council approved the installation of water meters in ICI/Multi-residential establishments (3 units or more). Council approved a carryover project in the amount of \$150,000 in 2023 to account for the installation of 50 remaining meters. Approximately 30 meters were installed in 2023. This carryover is for the purchase and installation of the remaining meters
	Haileybury Water Treatment Plant Filter Replacement #2 (carryover)	\$ 150,000	The completion of this project is delayed due to the delivery of the underdrain. This delivery is scheduled in early January 2024.
	Robert/Elm Pumping Station - Bypass Installation (carryover)	\$ 15,000	Installations were completed in 2023, the remaining outstanding item is the commissioning of the pump. Due to winter months this will not be completed until the spring of 2024.
	Roof Rehab (McCamus Water Treatment Plant)	\$ 120,000	Leaks have been identified in both the McCamus Water Treatment Plant and Niven Reservoir requiring the need to have the roofs repaired.
	Haileybury Water Treatment Plant Filter Replacement #3	\$ 420,000	In 2022 & 2023, Council approved the rehabilitation of two of the three filters at the Haileybury Water Treatment Plant. This project will see the completion of the rehabilitation of the third and final filter and the replacement of the blower.
	North Cobalt Lagoon Rehab	\$ 90,000	Includes the installation of a stainless steel alum pump, level indicating transmitter (LIT) on the alum holding tank and the replacement of all 3 blowers. Alum is extremely corrosive resulting in many transfer pumps having to be replaced over the years. The installation of an external stainless steel transfer pump will solve this issue. The LIT will optimize the treatment allowing for proper monitoring of levels. All three blowers are showing sign of fatigue and are in need of replacement.

Cost Centre	Project / Purchase	Budgeted Cost	Project Description
	Cisco Router Licenses (8% of total project)	\$ 3,520	Current license renewals are due in 2024. Costs proportionally shared between Corporation Services and Environmental.
	Security Fencing - Haileybury Water Treatment Plant	\$ 6,000	Fencing to secure facility and generator
	Intrusion Alarm Upgrades - (Water Treatment Plant)	\$ 15,000	All intrusion alarm components are obsolete and are in need of replacement.
	Intrusion Alarm Upgrades - (Waste Water Treatment Plant)	\$ 12,000	All intrusion alarm components are obsolete and are in need of replacement.
	Grand Total	\$ 6,573,312	

Appendix C: External Debt Summary

2024 Annual Repayment Principle and Interest

	Principal	Interest	Total	Description	
CMHC	\$ 103,309.93	\$ 4,101.41	\$ 107,411.34	Reservoir / Goodman	
CMHC	\$ 26,878.57	\$ 1,869.93	\$ 28,748.50	Albert Street	
CHMC	\$ 81,430.10	\$ 5,951.63	\$ 87,381.73	Hessle / Lakeshore	
OILC	\$ 105,500.04	\$ 6,615.04	\$ 112,115.08	Fleet (City 61%, Enviro 39%)	
OILC	\$ 77,130.62	\$ 2,358.93	\$ 79,489.55	Transit	
OILC	\$ 54,180.60	\$ 5,809.80	\$ 59,990.40	Fleet	
OILC	\$ 218,207.40	\$ 102,280.77	\$ 320,488.17	TS Infrastructure - Gray Rd/Robert St/Elm St	
OILC	\$ 41,939.68	\$ 4,526.86	\$ 46,466.54	NC Water Stabilization	
OILC	\$ 54,900.00	\$ 7,112.51	\$ 62,012.51	NL WTP Iron Removal	
OILC	\$ 58,327.02	\$ 8,420.14	\$ 66,747.16	Fleet	
OILC	\$ 42,200.00	\$ 6,146.54	\$ 48,346.54	Fleet (Fire)	
OILC	\$ 49,252.12	\$ 5,760.38	\$ 55,012.50	Fleet	
OILC	\$ 84,750.00	\$ 28,539.14	\$ 113,289.14	Library	
OILC	\$ 371,202.68	\$ 53,036.22	\$ 424,238.90	2020 Roads Program	
OILC	\$ 45,980.08	\$ 3,796.49	\$ 49,776.57	Loader	
OILC	\$ 119,268.48	\$ 20,025.44	\$ 139,293.92	Dump Truck & Fire Rescue	
OILC	\$ 37,989.80	\$ 8,597.78	\$ 46,587.58	Backhoe - Executed Dec 2023	
OILC	\$ 89,082.40	\$ 20,160.98	\$ 109,243.38	Roads Program 2021 - Executed Dec 2023	
OILC	\$ 30,957.66	\$ 10,340.85	\$ 41,298.51	Snow Blower Attachments	} Estimates Partial Year of Pmts
OILC	\$ 29,515.20	\$ 8,780.59	\$ 38,295.79	Grant Drive Extension	
OILC	\$ 30,000.00	\$ 10,218.43	\$ 40,218.43	ICI Water Meters	
OILC	\$ 14,225.00	\$ 11,340.25	\$ 25,565.25	Haileybury Fire Station	
OILC	\$ 29,290.10	\$ 23,350.23	\$ 52,640.33	Landfill Site	
OILC	\$ 17,395.45	\$ 10,408.67	\$ 27,804.12	Albert Street - Enviro Share	
	\$ 1,812,912.93	\$ 369,549.01	\$ 2,182,461.94		

Annual Debt Repayment Limit for 2023 as per the Ministry of Municipal Affairs and Housing is \$3,990,989

	Construction	5.61%	
	Amortizing	Serial	
5Y	4.27%	4.29%	
10Y	4.28%	4.28%	
15Y	4.44%	4.42%	
20Y	4.52%	4.50%	
25Y	4.54%	4.52%	
30Y	4.53%	4.51%	

Rates as of Dec 7, 2023

Appendix D: Reserve and Reserve Fund Projections

	ACTUALS PER AFS		ESTIMATES	
Reserve	Ending Balance 31-Dec-21	Ending Balance 31-Dec-22	Ending Balance 31-Dec-23	Ending Balance 31-Dec-24
Working Capital - General	\$ 9,462,497	6,897,422	6,909,024	4,948,578
Working Capital - Environmental	1,782,187	2,060,156	722,772	665,482
Working Capital - Business Improvement Area	52,594	63,568	63,568	63,568
Election Expense Reserve	25,643	-	29,924	29,924
Fire Equipment Reserve	71,970	25,914	7,053	-
Solid Waste Diversion Fee Reserve	89,955	89,955	89,955	89,955
Cemetery Reserve	-	-	-	-
Doctor Recruitment Reserve	14,764	20,598	20,598	20,598
Medical Centre Reserve	14,637	4,628	23,330	23,330
Bucke Park Reserve	34,732	52,170	8,015	8,015
Accessibility Reserve	52,753	30,000	8,021	8,021
Fleet Replacement Reserve	298,097	336,345	84,199	84,199
Transit Reserve	53,175	141,534	141,534	141,534
Library Reserve	-	-	-	-
PDAC Reserve	160,823	119,392	119,392	119,392
Economic Development Reserve	134,234	134,234	706,234	217,022
Community Development Reserve	155,478	141,215	148,565	148,565
Solid Waste Landfill Reserve Fund	2,293,625	248,319	135,205	27,705
Total Reserve Balance	\$ 14,697,164	\$ 10,365,449	\$ 9,217,388	\$ 6,595,887

**Projected balance prior to entries relating to 2023 & 2024 in-year reallocations and year end surplus/deficits*

Project Ontario ECHO Skin and Wound
Virtual Wound Care & training for Regional Complex Wound Care Teams

Goal:

To train teams in the Health Districts/ Ontario Health Regions in Advanced Wound Care to treat the 20% of patients that are high resource/ longstanding home care clients that make up 80% of the cost to the system.

- Physicians/ Nurse Practitioners
- Nursing
- Allied Health (Chiropractic/Footcare, Registered Dietitian, Rehab – OT, PT)

Project ECHO Ontario proposed plan to support the Limb Preservation Program by targeting all patients with leg and foot ulcers below the knee especially those with stalled, maintenance or non-healable wounds (> 3-6 months on home care), not demonstrating a positive wound healing trajectory and/or are high resource utilization.

1. Advocate for HbA1c for all leg and foot ulcer patients
2. Utilize the wound care toolkits For Indigenous, Northern, Remote, & Isolated Communities
 - Audible handheld Doppler- any Multiphasic Wave is equivalent to APBI ≥ 0.9 and adequate blood supply to heal. The Doppler sound can be recorded on a smart phone and sent for confirmation.
 - Can be part of the medical record for verification & save unnecessary visits to vascular surgeons in remote, isolated communities.
3. Establish a Provincial Vascular Surgery team to support evidence and implement the COMPASS study results from MacMaster to prevent strokes, heart attacks and premature deaths in persons with Peripheral Vascular Disease (Apixaban 2.5 mg bid and ASA 100 mg daily improved outcomes) [Steffel J, et al. 2020]
4. Manage Infection: N.E.R.D.S. & S.T.O.N.E.E.S.- 3 or more criteria to treat superficial/local (covert) infection topically, or Deep & Surrounding infection (Overt) systemically (Woo, Sibbald, 2009).
 - 7 Infectious disease doctor team – 4 have completed the International Interprofessional Wound Care Course and 3 are partial completion, working towards completion.
 - Systematic review of oral antibiotics for osteomyelitis to facilitate treatment in low resource communities avoiding intravenous therapy.
5. Screen for the high-risk diabetic foot & provide simple plantar pressure redistribution devices for low resource and home care patients.
 - The validated simplified 60 second screen for the high-risk diabetic foot takes 1 minute vs. The Inlow tool that has numerous questions, 3 parts and is best for the trained foot care specialist to provide care.
 - This tool and the Guyana Diabetes and Foot Care program decreased amputations 68% and identified 48% of 1266 persons screened with a high-risk foot (Lowe et al. 2015)
 - Team comprising of 5-foot care specialists was assembled (4 chiropractors- 2 in the North, 1 Mitchener Professor, a community chiropractor with experience in Guyana & Ethiopia, and a Podiatrist from Punjab India with a PhD in Biomaterials to create a simple plantar pressure redistribution kit to facilitate training and implementation of footwear into the community.

Project Ontario ECHO Skin and Wound
Virtual Wound Care & training for Regional Complex Wound Care Teams

- Engaged 50 community wound care specialists in ECHO Limb Preservation series from Hamilton- Niagara and 24 from Northeast eligible for toolkits and the other kits will be distributed to other target clinicians in the 12 additional healthcare districts.

Current Project ECHO Skin and Wound Care Leg and Foot Ulcer (limb preservation) cycle has seen a tremendous increase in the number of participants for the regular sessions and the skills/toolkits sessions. Previous ECHO cohorts had approximately 60 – 80 participants on each session

Date	Attendance ECHO Session	Attendance Skills/toolkit session
Oct 4 th	177	142
Oct 11 th	171	133
Oct 18 th	186	137
Oct 25 th	173	133
Nov 1 st	200	148
Nov 8 th	185	150

Proposed Virtual Consults:

- Wound Bed Prep.2021 Format (Soon to be published in April 2024- WBP 2024 for resource limited settings)
 - Graduates of ECHO leg and foot cycles and IIWCC
 - For 100 + Toolkit recipients (Limb Preservation ECHO)
 - Patient Navigation for Home Care Districts (after Waterloo Wellington published Project) all districts would be eligible with appropriately trained staff.
 - Initial consult x1 hour – patient / family member in the home with NSWOC at home care on CHRIS and consultant (Dr. Sibbald or WoundPedia Team member – our team collectively has 200 years + of wound care experience) and follow up.
 - Patient navigation publication home care clients since 2012 on:
Sept 2022: 48 consults: 29% healed, 66% smaller, over 70% less supply use, decreased nursing visits, improved infection management and decreased pain.

Lowe J, Sibbald RG, Taha NY, Lebovic G, Martin C, Bhoj I, Kirton R, Ostrow B; Guyana Diabetes and Foot Care Project Team. The Guyana Diabetes and Foot Care Project: a complex quality improvement intervention to decrease diabetes-related major lower extremity amputations and improve diabetes care in a lower-middle-income country. PLoS Med. 2015 Apr 21;12(4):e1001814. doi: 10.1371/journal.pmed.1001814. PMID: 25898312; PMCID: PMC4405371.

Steffel J, Eikelboom JW, Anand SS, Shestakovska O, Yusuf S, Fox KAA. The COMPASS Trial: Net Clinical Benefit of Low-Dose Rivaroxaban Plus Aspirin as Compared With Aspirin in Patients With Chronic Vascular Disease. Circulation. 2020 Jul 7;142(1):40-48. doi: 10.1161/CIRCULATIONAHA.120.046048. Epub 2020 May 21. Erratum in: Circulation. 2020 Jul 7;142(1):e23. PMID: 32436455.

Woo KY, Sibbald RG. A cross-sectional validation study of using NERDS and STONEES to assess bacterial burden. Ostomy Wound Manage. 2009 Aug 1;55(8):40-8. PMID: 19717855.

Project Ontario ECHO Skin and Wound
Virtual Wound Care & training for Regional Complex Wound Care Teams

Background:

Project ECHO Ontario Skin and Wound is designed to train wound care teams (doctors, nurses, allied health) across the province of Ontario. We have a special target population of Indigenous, North, isolated and remote communities. Each ECHO cycle is 8 weeks with Cycle 1 (Leg & Foot Ulcers) and Cycle 2 (Pressure Injuries & Miscellaneous wounds).

Our official partners in Project ECHO are Nurses Specialized in Wound, Ostomy and Continence Canada (NSWOCC) and Queen's University (Health Sciences Professional Development and Educational Scholarship). To improve patient outcomes, Diabetes Action Canada will become a proposed partner to measure educational outcomes and create databases.

Our ECHO faculty includes:

WoundPedia (193 years of combined wound care experience):

- Professor Gary Sibbald, MD, M.Ed., D.SC (Hon), FRCPC (Med)(Derm):
ECHO Skin & Wound Project Lead, IIWCC Director
- Reneeka Jaimangal, MD, MScCH, IIWCC: Project Manager for ECHO Skin & Wound
- Laurie Goodman, RN, MHScN: Clinical Coordinator IIWCC and ECHO Skin & Wound
- Pat Coutts, RN, IIWCC: Nursing Consultant
- Sunita Coelho, RN: Nursing Consultant
- Xiu Zhao, MD, CCFP (COE): Primary Care Physician
- Laura Lee Kozody, B.Sc., DCh: Chiropodist
- Andrew Mohan, BJourn: Multimedia Coordinator
- Linda Dorrington: Administrative Assistant

NSWOCC:

- Cathy Harley, RN, CEO of NSWOCC
- Kim LeBlanc, RN, PhD, Academic Chair
- Erin Rajhathy, RN, Core Program Lead for Community Engagement

Queen's University:

- Karen Smith, MD, Physiatrist, Rehab Specialist
- Jolene Heil, RN, NSWOCC, Nursing Consultant
- Nancy Dalgarno, PhD, Director of Education Scholarship
- Eleftherios Soleas, PhD, Director of Continuing Professional Development
- Richard van Wylick, MD, FRCPC, Vice-Dean of Health Sciences Education

Adjunct Faculty:

- Patrick Rainville, Chiropodist
- Jeremy Caul, MCISc-WH, NSWOCC, Nurse Advisor for First Nations and Inuit Home and Community Care (Ontario Region)
- Dale Kalina, MD, MBA, FRCPC(ID)

Diabetes Action Canada:

- Catharine Whiteside, MD, PhD, FRCP(C), FCAHS
- Valeria Rac, MD, PhD

Project ECHO Ontario Skin and Wound is designed to train wound care teams (doctors, nurses, allied health) across the province of Ontario. We have a special target population of Indigenous, North, isolated and remote communities. Each ECHO cycle is 8 weeks with Cycle 1 (Leg and Foot Ulcers) and Cycle 2 (Pressure Injuries and Miscellaneous wounds).

Our official partners in Project ECHO are Nurses Specialized in Wound, Ostomy and Continence Canada (NSWOCC) and Queen's University (Health Sciences Professional Development and Educational Scholarship). We are also collaborating with Sault College (microcredentials in skin and wound care, nursing curriculum and e-textbook). To improve patient outcomes, Diabetes Action Canada will become a proposed partner to measure educational outcomes and create databases.

Project ECHO Ontario Skin and Wound has had two funding cycles (2018-2021 and 2021-2024) and its renewal is scheduled for April 1, 2024. Our application is due at the Ministry of Health on November 30.

We are requesting two support letters for the following:

1. To continue ECHO Ontario Skin and Wound with evergreen funding (continuous funding guaranteed with annual budget negotiation), alongside additional support for educational outcomes and a collaboration with Diabetes Action Canada
2. To create a virtual identified patient consultation service utilizing Wound Bed Prep 2021 for patient navigation and clinician support for previous ECHO participants and to bring advanced wound care expertise to clinicians in Northern Ontario

We will be circulating 100 toolkits across Ontario with special target populations in the North (North-West and North-East) and Hamilton-Niagara Haldimand Brant (HNHB). These tool kits include 8MHz Dopplers and infrared thermometers, along with simple plantar pressure redistribution devices for application in the home care and community settings.

Our current ECHO Ontario Skin and Wound Care Cycle theme is leg and foot ulcers with a focus on limb preservation. The first 6 out of 8 sessions have had attendance rates of 173-200 participants from all 14 health districts in Ontario. Our target audiences have enhanced attendance (31 North-West, 21 in North-East, 71 in HNHB). **A new ECHO Cycle 1 (leg & foot limb preservation) will begin on January 10, 2024 (contact Linda Dorrington at linda@woundpedia.com).**

The Skills sessions are virtual and designed for use of the toolkit in the home care community setting. These are 1-hour long and added as a separate 3rd hour after our traditional 2-hour program. We have had an attendance of 133-150 healthcare professionals in these sessions with outstanding evaluations. There are educational follow-up assignments to facilitate practice of skills and improve community capacity.

Our funding will also include a request for collaboration with Diabetes Action Canada to collect data on educational and health care patient outcomes. This initiative will facilitate equal access to wound care specialist teams across Ontario for patients to receive quality care.

In addition to the de-identified patients in ECHO that moves knowledge and not patients, we need support for the newly trained professional teams. A virtual consult service that includes either patient navigation principles or direct clinician evidence-informed care planning will reinforce the education and set the stage to improve system and patient outcomes.

Please see supporting material in the attachments below.

One paragraph for email message

Project ECHO Ontario Skin and Wound is designed to train wound care teams (doctors, nurses, allied health) across the province of Ontario. We have a special target population of Indigenous, North, isolated and remote communities. Each ECHO cycle is 8 weeks with Cycle 1 (Leg and Foot Ulcers) and Cycle 2 (Pressure Injuries and Miscellaneous wounds). Our current ECHO Ontario Skin and Wound Care Cycle theme is leg and foot ulcers with a focus on limb preservation. The first 6 out of 8 sessions have had attendance rates of 173-200 participants from all 14 health districts in Ontario. Our target audiences have enhanced attendance (31 North-West, 21 in North-East, 71 in HNHB). **A new ECHO Cycle 1 (leg & foot limb preservation) will begin on January 10, 2024 (contact Linda Dorrington at linda@woundpedia.com).**

November 17, 2023

Please be advised that during the regular Council meeting of November 14, 2023 the following motion regarding support for the Province to stop the Ministry of the Environment, Conservation and Parks (MECP) proposal to expand the use of the permit-by-rule to waste management systems, storm water management systems, and certain water taking activities was carried:

RESOLUTION NO. 2023-569

DATE: November 14, 2023

MOVED BY: Councillor Maynard

SECONDED BY: Councillor Roberts

WHEREAS the Municipality, in support of the Quinte Conservation Authority, actively supports the Source Water Protection Program, as part of local efforts to implement the Clean Water Act, 2006 and its regulations to protect local municipal drinking water sources;

AND WHEREAS the Ministry of the Environment, Conservation and Parks (MECP) is proposing to expand the use of the permit-by-rule to waste management systems, stormwater management systems, and certain water taking activities;

AND WHEREAS In 2018, Bill 68, the Open for Business Act was passed, whereby it legislated that less complex activities that pose low-risk to the environment should not be required to go through the approval process and instead, should self-register on the Environmental Activity and Sector Registry (EASR);

AND WHEREAS Quinte Conservation Authority has outlined in their October 24, 2023 report to their Board, that the activities proposed to move to the EASR may pose too much risk to drinking water, and can pose threats to human health and the environment;

AND WHEREAS Quinte Conservation Authority noted the source water protection concern generally lies in the fact the Ministry will no longer undertake an up-front detailed review of applications related to the specified activities, thereby potentially weakening regulatory oversight;

AND WHEREAS the specified activities, which have the potential to cause significant adverse impacts to the natural environment and human health will no

longer be subject to public and site-specific scrutiny prior to commencing operation in Ontario;

THEREFORE BE IT RESOLVED THAT the Council of the Corporation of Prince Edward County supports the concerns outlined by Quinte Conservation Authority and urges the Provincial government to stop the Ministry of the Environment, Conservation and Parks (MECP) proposal to expand the use of the permit-by-rule to waste management systems, stormwater management systems, and certain water taking activities; and

THAT this resolution be sent to Premier Doug Ford, Todd Smith, Bay of Quinte M.P.P. and Andrea Khanjin, Minister of the Environment, Conservation and Parks; and

THAT this resolution be shared with all 444 municipalities in Ontario, The Federation of Canadian Municipalities (FCM), The Association of Municipalities Ontario (AMO), The Eastern Ontario Wardens' Caucus (EOWC) and all Ontario Conservation Authorities.

CARRIED

Yours truly,



Catalina Blumenberg, **CLERK**

cc: Mayor Steve Ferguson, Councillor Roberts, Councillor Maynard and Marcia Wallace, CAO



Corporate Services

November 20, 2023

Re: Ontario Works Financial Assistance Rates

Please be advised that the Council of the Corporation of the Town of Orangeville, at its Regular Council Meeting held on November 13, 2023, approved the following resolution:

WHEREAS poverty is taking a devastating toll on communities, undermining a healthy and prosperous Ontario, with people in receipt of Ontario Works being disproportionately impacted; and

WHEREAS the cost of food, housing, and other essential items have outpaced the highest inflation rates seen in a generation; and

WHEREAS people in need of social assistance have been legislated into poverty, housing insecurity, hunger, poorer health, their motives questioned, and their dignity undermined; and

WHEREAS Ontario Works Financial Assistance rates have been frozen since 2018; and

WHEREAS the newly introduced Common Assessment Tool (CAT) questionnaire developed by the Provincial Government for use with Ontario Works and Ontario Disability Program recipients contains complex and invasive personal health related questions; and

WHEREAS the use of the Common Assessment Tool (CAT) provides no benefit to clients, it does not score, provide results, assess client need, and does not match those in need to the services they require; and

WHEREAS the Common Assessment Tool (CAT) contains questions mirrored in the Ontario Health Common Assessment of Needs, used by health providers; and

WHEREAS privacy obligations under The Personal Health Information Protection ACT (PHIPA) do not extend to municipal delivery agents for Ontario Works; and

WHEREAS designated Service Managers are doing their part, but do not have the resources, capacity, or tools to provide the necessary income and health related supports to people experiencing poverty; and

WHEREAS leadership and urgent action is needed from the Provincial Government to immediately develop, resource, and implement a comprehensive plan to address the rising levels of poverty in Ontario, in particular for those on Ontario Works:

THEREFORE BE IT RESOLVED THAT The Town of Orangeville calls on the Provincial Government to urgently:

- a. At least double Ontario Works rates and index rates to inflation, answering calls already made by “Raise the Rates” campaign and the “Income Security Advocacy Centre”;**
- b. Commit to ongoing cost of living increases above and beyond the rate of inflation to make up for the years they were frozen;**
- c. Commit to jointly working between the Ministry of Children, Community, and Social Services and the Ministry of Health on the best methods of assessing client needs and then matching those in need to the services they require;**
- d. AND FURTHER THAT a copy of this motion be sent to the Minister of Children, Community, and Social Services, the Minister of Health, the Minister of Municipal Affairs and Housing, the Association of Municipalities of Ontario, the Ontario Municipal Social Services Association, the Western Ontario Wardens Caucus, the Eastern Ontario Wardens Caucus, and all Ontario Municipalities**

Carried.

Yours truly,

Tracy Macdonald
Deputy Clerk



Municipality of South Bruce

MUNICIPAL OFFICE

P.O. Box 540, 21 GORDON ST E. TEESWATER, ONTARIO NOG 2S0
Phone (519) 392-6623x229 | Fax (519) 392-6266 | Email vkennedy@southbruce.ca

September 25, 2023

Via Email

Prime Minister of Canada
House of Commons
Ottawa, ON K1A 0A6
pm@pm.gc.ca

Minister of Municipal Affairs and Housing
College Park 17th Flr, 777 Bay St,
Toronto, ON M7A 2J3
minister.mah@ontario.ca

Premier of Ontario
Legislative Building
Queen's Park
Toronto ON M7A 1A1
premier@ontario.ca

Ministry of Agriculture, Food and Rural
Affairs (OMAFRA)
1 Stone Road West
Guelph, ON N1G 4Y2
minister.omafra@ontario.ca

Lisa Thompson, Huron-Bruce MPP
408 Queen Street, Box 426
Blyth, ON N0M 1H0
lisa.thompsonco@pc.ola.org

Minister of the Environment, Conservation
and Parks
P.O. Box 8097, Station T CSC
Ottawa, ON K1G 3H6
minister.mecp@ontario.ca

Benn Lobb, Huron-Bruce MP
30 Victoria Stret North
Goderich, ON N7A 2R6
ben.lobb@parl.gc.ca

AMO
resolutions@amo.on.ca

Dear Sir and Madams,

Re: Ontario Association of Sewage Industry Services (OASIS)

Please be advised that the Municipality of South Bruce Council met at their regular session of Council on September 12, 2023, at which time it heard from the Ontario Association of Sewage Industry Services (OASIS) as a delegate.

In response to the delegation, the following motion was passed:

Motion M23-570

Moved by: Ron Schnurr

Seconded by: Mike McDonagh

THAT Council instructs staff to forward a copy of this presentation along with the formal letter submitted by OASIS to be sent to all levels of Municipal Governments across the Province including but not limited to the various Provincial Ministries, including the Ministry of Municipal Affairs and Housing, Ministry of Environment Conservation and Parks and The Ministry of Agriculture, Food and Rural Affairs and all other relevant parties;

AND FURTHER THAT OASIS be involved in discussions and communications pertaining to the discussed issue to help provide recommendations and solutions to help mitigate the issues surrounding approved disposal sites;

AND FURTHER THAT Council encourage other Municipalities to communicate directly with OASIS to allow for an open, transparent and collaborative dialogue with other stakeholders.

Carried

Should you have any questions in regards to the above resolution please contact our office.

Sincerely,

A handwritten signature in black ink, appearing to read 'V Kennedy', with a stylized flourish at the end.

Vivian Kennedy
Deputy Clerk
Municipality of South Bruce

Summary of Content

Summary of Concerns: Lack of Proper Hauled Sewage Disposal locations, privately owned or Municipal Wastewater Plants

- 2.1 Definition of Municipal Waste as per Ontario Regulation 347 of the Environmental Protection Act
- 2.2 Zoning Issues and Concerns
- 2.3 Challenges Faced by Homeowners in Municipalities during Plant Upgrades and Maintenance
- 2.4 OASIS's Efforts to Promote Awareness and Proper Waste Disposal
- 2.5 Establishing an Open and Transparent Dialogue on the Issue
- 2.6 Providing Solutions and Recommendations to Municipalities
- 2.7 About Us

Summary of Concerns: Lack of Proper Hauled Sewage Disposal locations, privately owned or Municipal Wastewater Plants

The primary focus of our letter should not solely revolve around the lack of disposal capacity at wastewater treatment facilities. It is important to exercise caution in order to avoid potentially upsetting individuals. It should be noted that wastewater treatment facilities are not the exclusive or definitive method of approved disposal at present. We have members who have made substantial investments in their own lagoons, field sites, and alternative technologies. Additionally, many of our members have fostered positive relationships with their respective municipalities and have access to disposal options at wastewater plants. In order to provide a comprehensive perspective, we may consider including examples of other approved options for proper disposal, such as MECP licensed lagoon and field spreading sites. However, due to varying perceptions, a lack of understanding, and differences in requirements among municipalities, obtaining the necessary approvals can be challenging at times. It is important to emphasize that we are not suggesting wastewater treatment as the sole solution. We must explore and support all available options at this juncture.

We should acknowledge that certain municipalities have historically accepted hauled sewage from outside their boundaries for disposal at wastewater facilities or at lagoons and field spreading sites operated by licensed haulers. Haulers were able to enter into agreements with municipal wastewater facilities and paid a fee for the privilege of disposing at those sites. The operation and management of lagoon and field sites are the responsibility of the haulers, with an annual reporting requirement to the MECP. With the anticipated significant increase in residential construction, wastewater facilities will undoubtedly face capacity constraints, potentially limiting their ability to accept waste generated from outside their municipalities. Once again, it is crucial to avoid causing any discontent among municipalities or haulers.

The call to escalate residential construction has raised significant concerns, particularly regarding waste management. It is impossible to intensify home construction without considering how the resulting waste will be effectively handled. This includes not only domestic garbage waste, which may be directed to landfills, but also septic waste, whether through sewers or hauled sewage. The

interplay between residential growth and waste management must be addressed comprehensively to ensure sustainable and efficient practices.

In Ontario, the lack of proper disposal of sewage and septic waste to approved municipal wastewater plants poses significant challenges and concerns. This issue encompasses a range of environmental, public health, and regulatory factors that need to be addressed for the well-being of communities across the province.

Proper disposal of sewage and septic waste is essential to ensure public health and protect the environment. When sewage is not disposed of correctly, it can contaminate water sources, posing risks to human health and ecosystems. Approved municipal wastewater plants play a crucial role in treating and managing sewage to mitigate these risks. However, the failure to adhere to proper disposal guidelines leads to a variety of challenges.

One of the primary challenges arising from the lack of proper disposal is the contamination of water sources. Improperly disposed sewage and septic waste can seep into groundwater, lakes, rivers, and other water bodies, polluting them with harmful bacteria, viruses, and other pathogens. This contamination not only endangers the health of those who rely on these water sources for drinking, swimming, or recreational purposes but also harms aquatic life and ecosystems.

Furthermore, the inadequate disposal of sewage and septic waste can lead to ecological damage. The excess nutrients present in wastewater, such as nitrogen and phosphorus, can cause eutrophication in bodies of water. This excessive nutrient enrichment leads to the growth of harmful algal blooms, which deplete oxygen levels in water, harming fish and other aquatic organisms. The resulting imbalance in ecosystems can have far-reaching consequences for biodiversity and the overall health of ecosystems.

From a regulatory perspective, the improper disposal of sewage and septic waste violates Ontario's environmental protection laws and regulations. Ontario Regulation 347 of the Environmental Protection Act defines municipal waste, including sewage and septic waste, and outlines the proper procedures for its disposal. Non-compliance with these regulations not only undermines environmental protection efforts but can also lead to legal consequences for individuals or organizations responsible for the improper disposal.

Moreover, the lack of proper disposal infrastructure and facilities poses challenges for municipalities and homeowners. When municipalities decide to upgrade or perform maintenance on their wastewater treatment plants, the limited availability of approved disposal sites can hinder proper waste management. This limitation creates logistical difficulties for homeowners who need to find alternative disposal options. Homeowners may face delays and disruptions in their sewage management systems, which can be both inconvenient and costly.

Addressing the issues surrounding the lack of proper disposal of sewage and septic waste requires a multi-faceted approach. Collaboration among stakeholders, including municipalities, regulatory bodies, industry professionals, and homeowners, is crucial. It is essential to raise awareness among homeowners about the importance of proper waste disposal and educate them about available options. Additionally, expanding the capacity of approved disposal sites, promoting advanced treatment technologies, and establishing transparent dialogue between stakeholders can help overcome these challenges.

In conclusion, the lack of proper disposal of sewage and septic waste to approved municipal wastewater plants in Ontario poses significant challenges for public health, the environment, and regulatory compliance. Addressing these issues requires a comprehensive approach that involves

raising awareness, expanding disposal infrastructure, and fostering collaboration among stakeholders. By prioritizing responsible sewage management, Ontario can protect its water resources, preserve ecosystems, and ensure the well-being of its communities.

2.1 Definition of Municipal Waste as per Ontario Regulation 347 of the Environmental Protection Act:

According to Ontario Regulation 347 of the Environmental Protection Act, municipal waste refers to waste generated by households, commercial establishments, and institutions within a municipality. It includes both solid and liquid waste, such as sewage, septic waste, and other forms of non-hazardous waste.

To put into perspective – OASIS Members service a wide range of areas and manage a total estimated volume of over 210 million gallons on a yearly basis servicing only Ontario residents.

Based on location septic haulers manage the following estimated amounts:

Northern Ontario: 25-45 million gallons
Central Ontario: 45-75 million gallons
Eastern Ontario: 35-55 million gallons
Western Ontario: 30-35 million gallons

2.2 Zoning Issues and Concerns:

It is imperative for municipalities to understand that operators within their townships who have acquired or already possess property do not always require rezoning. A key example of this lies in agriculturally zoned properties that can be effectively utilized for spreading purposes. Rezoning such properties to a "Commercial/Industrial" zoning category not only diminishes the value of the land but also proves to be unnecessary. This message carries significant importance as we aim to convey it to municipalities across various regions.

First and foremost, the practice that agriculturally zoned properties can be utilized for spreading purposes is crucial. These properties, which have been designated for agricultural use, often possess characteristics that make them suitable for activities such as manure spreading, composting, or other forms of land treatment. Such practices can contribute to soil fertility, promote sustainability, and ensure the efficient utilization of resources. By recognizing the inherent compatibility between agricultural zoning and spreading activities, municipalities can support operators in making the most of their land without resorting to rezoning.

Moreover, it is important to highlight refraining from unnecessary rezoning, municipalities can contribute to the preservation of the property's value and economic viability.

Furthermore, existing agricultural zoning designation already takes into account the specific characteristics and requirements of farming activities. These designations are typically established based on extensive research, land suitability assessments, and community development plans. Agricultural land also requires and uses many of the much needed nutrients provided by the septage being spread. MECP monitors these sites very closely with quarterly and annual reports from the operators of these sites. By recognizing the multifunctionality of agriculturally zoned land and its ability to accommodate spreading activities, municipalities can ensure that land-use regulations align with the intended purposes while minimizing the need for rezoning.

In conclusion, municipalities must comprehend the fact that operators within their townships who possess or acquire property do not always require rezoning. Agriculturally zoned properties can serve as effective spaces for spreading activities, enhancing soil fertility and resource utilization. By conveying this crucial message, we can encourage municipalities to support operators in making the most of their agriculturally zoned land while preserving its economic viability and minimizing unnecessary rezoning.

2.3 Challenges Faced by Homeowners in Municipalities during Plant Upgrades and Maintenance:

When municipalities decide to upgrade or perform maintenance on their wastewater treatment plants, the limited availability of disposal sites poses significant challenges for homeowners. Proper disposal becomes even more critical during these periods, as the capacity of approved facilities may be temporarily reduced. Homeowners and Haulers may face difficulties finding suitable disposal options, resulting in added costs, potential delays and disruptions in their sewage management systems.

2.4 OASIS's Efforts to Promote Awareness and Proper Waste Disposal:

As a proactive organization, OASIS is committed to creating awareness and encouraging proper waste disposal practices. The association aims to foster an open and transparent dialogue among stakeholders, including homeowners, municipalities, regulatory bodies, and industry professionals, to address the challenges associated with sewage and septic waste disposal.

2.5 Establishing an Open and Transparent Dialogue on the Issue:

OASIS actively engages with municipalities, conducting workshops, seminars, and public awareness campaigns to educate policy makers about the importance of proper waste disposal. By fostering open communication channels, OASIS encourages dialogue between all stakeholders, facilitating the sharing of knowledge, best practices, and innovative solutions.

2.6 Providing Solutions and Recommendations to Municipalities:

To address the limitations in disposal sites and support municipalities in managing sewage and septic waste effectively, OASIS offers solutions and recommendations. These may include advocating for the development of additional approved disposal sites, promoting advanced treatment technologies, and collaborating with relevant authorities to streamline waste management processes. OASIS strives to provide municipalities with the necessary tools and guidance to ensure responsible sewage management within their jurisdictions.

2.7 About Us:

The Ontario Association of Sewage Industry Services (OASIS) plays a vital role in the promotion and advancement of sewage management practices in Ontario. With the objective of fostering responsible and sustainable approaches to sewage disposal, OASIS brings together industry professionals who are passionate about protecting public health, preserving the environment, and complying with regulatory requirements.

As a non-profit organization, OASIS operates as a collective voice for its members, representing their interests and advocating for environmentally friendly practices within the sewage industry. By collaborating with stakeholders from various sectors, including homeowners, municipalities, regulatory bodies, and experts in the field, OASIS strives to address challenges, share knowledge, and develop effective solutions that benefit the entire community.

OASIS recognizes the significance of proper waste disposal in safeguarding public health and minimizing the environmental impact of sewage management. The association actively engages in initiatives that raise awareness among homeowners and communities about the importance of responsible sewage practices. Through workshops, seminars, public awareness campaigns, and educational programs, OASIS aims to empower individuals and organizations with the necessary knowledge to make informed decisions regarding sewage disposal.

Moreover, OASIS fosters an open and transparent dialogue among stakeholders to address the issues and concerns associated with sewage management. By facilitating discussions, sharing best practices, and collaborating with regulatory bodies, OASIS works towards finding practical and innovative solutions for the industry. The association strives to create a supportive network where stakeholders can exchange ideas, seek guidance, and collaborate on initiatives that enhance sewage management practices across Ontario.

Recognizing the challenges faced by municipalities during plant upgrades and maintenance, OASIS actively supports the development of sustainable solutions. By providing recommendations, advocating for the expansion of approved disposal sites, and promoting the adoption of advanced treatment technologies, OASIS seeks to assist municipalities in managing sewage and septic waste effectively.

In summary, the Ontario Association of Sewage Industry Services (OASIS) serves as a leading advocate for responsible sewage management in Ontario. Through its collective efforts, OASIS aims to promote awareness, foster dialogue, and provide recommendations to stakeholders, ensuring that sewage disposal practices prioritize public health, environmental preservation, and regulatory compliance.

Understanding the Limitations on Hauled Septage Disposal Sites in Ontario



Summary of Discussion



Definition of Municipal Waste as per Ontario Regulation 347 of the Environmental Protection Act (EPA)



Zoning Issues and Concerns



Challenges Faced by Homeowners in Municipalities during Plant Upgrades and Maintenance



OASIS's Efforts to Promote Awareness and Proper Waste Disposal



Providing Solutions and Recommendations to Municipalities



Final Thoughts

About OASIS

OASIS was established in 1991 to support and represent businesses in the septic, portable toilet and biosolid land application industry. We are dedicated to working with various levels of government, associations and those in related fields to improve and conform to regulations and guidelines pertaining to the sustainability of the environment in the Province of Ontario.



OASIS Strives



To maintain and promote the highest standards of safety, environmental responsibility, regulatory compliance and environmental due diligence.



To institute open forum discussions regarding operational challenges, implementation of maintenance protocols, employee development, administrative practices, and operator safety programs.



To act as a liaison between several tiers of government and Ministries while representing the interests of the industry with legislative recommendations.



To promote uniformity and consistency throughout the industry.

Overall Concern

In Ontario, the lack of proper disposal of septage and septic waste to approved municipal wastewater plants including Ministry of Environment approved wastewater lagoons and field spreading sites poses significant challenges and concerns. This issue encompasses a range of environmental, public health, and regulatory factors that need to be addressed for the well-being of communities across the province.



Lack of Hauled Septage Disposal Sites in Ontario

Proper disposal of septage and septic waste is essential to ensure public health and protect the environment. When septage is not disposed of correctly, it can contaminate water sources, posing risks to human health and ecosystems. Approved municipal wastewater plants play a crucial role in treating and managing septage to mitigate these risks.

- One of the primary challenges arising from the lack of proper disposal is the contamination of water sources. Improperly disposed septage and septic waste can seep into groundwater, lakes, rivers, and other water bodies, polluting them with harmful bacteria, viruses, and other pathogens. This contamination not only endangers the health of those who rely on these water sources for drinking, swimming, or recreational purposes but also harms aquatic life and ecosystems.

Municipal Concern: The call to escalate residential construction has raised significant concerns, particularly regarding waste management. It is impossible to intensify home construction without considering how the resulting waste will be effectively handled. This includes not only domestic garbage waste, which may be directed to landfills, but also septic waste, whether through sewers or hauled septage.

Misconception and Concerns

Ministry of Environment driven studies in partnership with OASIS have shown that application of hauled septage on agricultural properties is a safe and beneficial when completed in accordance with Ministry guidelines. This practice provides effective use of important nutrients. This practise also has been utilized for centuries with the application of manure as a common agricultural practise.

Lack of disposal sites for septic systems poses concerns for the Environment causing homeowners to “take matters into their own hands” if proper disposal facilities are not available.

Definition of “Municipal Waste”

Under Ontario Regulation 347 of the Environmental Protection Act:

Municipal Waste: Refers to waste generated by households, commercial establishments, and institutions within a municipality. It includes both solid and liquid waste, such as septage, septic waste, and other forms of non-hazardous waste.

- Point of Consideration: Household garbage generated in the municipality is the responsibility of the municipality to dispose and manage.

Volume of Hauled Septage Managed

OASIS Members service a wide range of areas and manage a total estimated volume of over 210 million gallons on a yearly basis servicing only Ontario residents.

Northern Ontario: 25-45 million gallons

Central Ontario: 45-75 million gallons

Eastern Ontario: 35-55 million gallons

Western Ontario: 30-35 million gallons



Municipal Zoning

- Existing agricultural zoning designation already takes into account the specific characteristics and requirements of farming activities. These designations are typically established based on extensive research, land suitability assessments, and community development plans. Agricultural land also requires and uses many of the required nutrients provided by the septage being spread.
- MECP monitors these sites very closely with quarterly and annual reports from the operators of these sites to ensure compliance and no regulatory limits are breached. By recognizing the multifunctionality of agriculturally zoned land and its ability to accommodate spreading activities, municipalities can ensure that land-use regulations align with the intended purposes while minimizing the need for rezoning.
- Municipalities must comprehend the fact that operators within their townships who possess or acquire property do not always require rezoning. Agriculturally zoned properties can serve as effective spaces for spreading activities, enhancing soil fertility and resource utilization. Rezoning such properties to a "Commercial/Industrial" zoning category needlessly decreases the land's value and is often unwarranted.

Municipal Challenges

- Many rural housing, community centers, municipal buildings are on septic systems and do not have a common municipal wastewater treatment plant to manage the septage produced in the respective municipality
- When municipalities decide to upgrade or perform maintenance on their wastewater treatment plants, the limited availability of disposal sites poses significant challenges for homeowners.
- Proper disposal becomes even more critical during these periods, as the capacity of approved facilities may be temporarily reduced or eliminated
- Septic Haulers are providing a service to homeowners to help effectively and safely manage the septage produced in their residence or facility
- **Misconception**: When a homeowner requires a septic to be emptied the responsibility does NOT fall entirely on the septic operator to dispose the waste. Municipalities need to provide the infrastructure/resources to dispose of the waste produced in their municipality properly and safely.

Raising Awareness

As a proactive organization, OASIS is committed to creating awareness and encouraging proper waste disposal practices. The association aims to foster an open and transparent dialogue among various stakeholders, including homeowners, municipalities, regulatory bodies, and industry professionals, to address the challenges associated with septage and septic waste disposal.

Municipal Approval: Providing companies the ability to apply and provide Ministry approved and monitored disposal sites is a viable and effective option in the event municipal wastewater infrastructures are not available or provide the capacity required to manage the waste produced in their respective municipalities.

These include but not limited to:

- Ministry of Environment approved wastewater lagoons with the option of introducing alternative wastewater management technologies
- Field Spreading sites

Offering Solutions and Resources

OASIS actively engages with municipalities, conducting workshops, seminars, and public awareness campaigns to educate policy makers about the importance of proper waste disposal. By fostering open communication channels, OASIS encourages dialogue between all stakeholders, facilitating the sharing of knowledge, best practices, and innovative solutions.

To address the limitations in disposal sites and support municipalities in managing septage and septic waste effectively, OASIS offers solutions and recommendations. These may include advocating for the development of additional approved disposal sites, promoting advanced treatment technologies, and collaborating with relevant authorities to streamline waste management processes. OASIS strives to provide municipalities with the necessary tools and guidance to ensure responsible septage management within their jurisdictions.

Action Items

OASIS would like to propose the following action items:

1. A copy of this presentation along with the formal letter submitted by OASIS to be sent to all levels of Municipal Governments across the Province including but not limited to the various Provincial Ministries including the Ministry of Municipal Affairs and Housing, Ministry of Environment Conservation and Parks and The Ministry of Agriculture, Food and Rural Affairs and all other relevant parties.
2. OASIS be involved in discussions and communications pertaining to the discussed issue to help provide recommendations and solutions to help mitigate the issues surrounding approved disposal sites
3. Allow OASIS to communicate directly with other Municipalities in the Province of Ontario to allow for a open, transparent and collaborative dialogue with other stakeholders



Final Thoughts



EMAIL:
NUMAIR.UPPAL@OASISONTARIO.ON.CA



PHONE:
(289) 795 – 2528



WEBSITE:
WWW.OASISONTARIO.ON.CA

**Resolution
Regular Council Meeting**



Agenda Number: 9.4.
Resolution Number 23-371
Title: 23-R-49 Letter of Support - Conservation Officer Reclassification
Date: Monday, November 20, 2023

Seconded by: M. Lubbock

Moved by: S. Cote

WHEREAS Ontario has 196 field Conservation Officers including 6 canine handlers who provide protection to Municipalities Natural Resources and uphold public safety by enforcing hunting and firearm laws and investigate gruesome injuries and even deaths that result from hunting-related accidents; In addition, Conservation Officers are often First Responders and ensure public safety by facilitating evacuations and enforcing Emergency Area orders during forest fires during record breaking wildfires such as we witnessed this past summer; and

WHEREAS Conservation Officers perform comparable work to Police Officers and other Enforcement Officers within the province and are professional, armed Peace Officers trained to police standards and undergo the same training; and

WHEREAS Ontario Municipalities are required that their constituents are informed, and their interests are safeguarded and ensure they have access to outreach and natural resources compliance services; and

NOW THEREFORE BE IT RESOLVED THAT the Council of the Corporation of the Township of Coleman does here by support the Ontario Conservation Officer's Association (OCA) in their efforts to have Conservation Officers in the Province of Ontario reclassified as Enforcement Officers and be compensated fairly; and

FURTHER request the support of all Ontario Municipalities; and

FURTHERMORE, THAT this resolution with a letter of support be forwarded to Ontario Premier Doug Ford, the Minister of Natural Resources Graydon Smith, the Local Provincial Member of Parliament (MPP) John Vanthof, Temiskaming Municipal Association and the Federation of Northern Ontario Municipalities.

CARRIED

YES: 4

NO: 0

ABSENT: 0

S. Cote

M. Lubbock

P. Rieux

L. Perry

Certified True Copy

Christopher W. Oslund
CAO/Clerk - Treasurer

For Immediate Release

Closing the Gap: How 2+1 Roads Can Save Time, Lives, and Taxpayer Dollars

November 27th, 2023 – A new study by Northern Policy Institute finds that the implementation of 2+1 roads in the regions of Northern Ontario presents a lower-cost solution that brings similar or superior road safety than twinning. This alternative solution could help address major gaps that still exist in the province's northern highway network.

Closing the Gap: How 2+1 Roads Can Save Time, Lives, and Taxpayer Dollars outlines an example of how this cost-benefit can play out. Focusing on a stretch of highway between North Bay and Temiskaming Shores, for example, the paper finds that upgrading this road from two lanes to a 2+1 configuration would deliver a benefit-cost ratio of 1.01 over a 20-year period—jumping to 2.28 over a 40 year-period and to 3.64 over 60 years. (For a project to be worthwhile, the benefit-cost ratio should be equal to or higher than 1.)

Additionally, 2+1 roads would provide benefits beyond improved safety. The addition of regular passing lanes and the reduced risk of serious collisions will result in fewer delays for motorists. This will save time for local motorists and reduce disruptions to national supply chains that rely on Northern Ontario highways.

“Northern Ontario residents rely on the road network to get to family, their job, to seek specialized medical care, and more,” said author William Dunstan. “Introducing 2+1 roads would reduce their risk of encountering delays or being involved in a serious collision while using this essential infrastructure.”

The paper concludes that 2+1 should be introduced across much of the highway network in Northern Ontario. Specifically, it recommends that:

1. Most two-lane highways with annual average daily traffic between 3,000 and 20,000 vehicles should be upgraded to a 2+1 configuration, but prospective upgrades must be assessed on a case-by-case basis;
2. Specific sections of highways where 2+1 is likely to provide a positive benefit-cost mix include Highway 11 from North Bay to just west of Hearst, and Highway 17 from Mattawa to Sault Ste. Marie.

Want to learn more? Read the full commentary here: <https://www.northernpolicy.ca/cost-of-highways-2023>

-30-

Media Interviews: Author William Dunstan and NPI President & CEO Charles Cirtwill are available for comment. To arrange an interview, please contact:

Charles Cirtwill
President & CEO
1-807-632-7999
ccirtwill@northernpolicy.ca

About the Authors:**William Dunstan**

William Dunstan graduated from Carleton University in 2022 with an Honours Bachelor of Public Affairs and Policy Management. During his undergraduate studies, William learned about the wide world of public policy and developed a particular research interest in economic policy and regional development. Professionally, he has worked in several policy-related roles both in the think tank sphere and with the federal government. Originally from Ottawa, William developed a love for Northeastern (or Central) Ontario and the region's high quality of living during his time as an Experience North intern in 2021.

Bryanne de Castro Rocha

Bryanne holds a Master of Arts in Political Science from the University of Calgary, where she analyzed the relationship between sustainable development, environmental clauses in international trade agreements, and agricultural lobbying. Her Bachelor of Arts (Honours) in International Relations explored the measurement and conceptualization of sustainable development. She is also interested in the relationship between mining operations and Indigenous communities in Canada and abroad.

Dr. Martin Lefebvre

Born in Kirkland Lake and raised in Timmins, Martin Lefebvre, PhD, is a lifelong northerner. He left only to undertake graduate studies at the University of Western Ontario, and immediately returned. His doctoral thesis studied institutional investor location preferences in the USA in the past two decades. His other research interests include sports analytics, spatial statistics, and location theory. In his spare time, Martin likes reading, painting, fencing as well as watching baseball and Canadian football.

About Northern Policy Institute:

Northern Policy Institute is Northern Ontario's independent, evidence-driven think tank. We perform research, analyze data, and disseminate ideas. Our permanent offices are in Thunder Bay, Sudbury, and Kirkland Lake. Our mission is to enhance Northern Ontario's capacity to take the lead position on socio-economic policy that impacts our communities, our province, our country, and our world.



Premier Ford
Premier of Ontario
premier@ontario.ca

The Honourable Paul Calandra
Minister of Municipal Affairs and Housing
minister.mah@ontario.ca

The Honourable Todd A. Smith
Minister of Energy, Ontario
MinisterEnergy@ontario.ca

SENT VIA EMAIL

December 1st, 2023

Re: Support to Revoke Strong Mayor Powers and Increase in the Leave to Construct Threshold

Dear Premier Ford, Minister Calandra, and Minister Smith,

Please be advised that at the Regular Council Meeting on November 29th 2023, the Town of Plympton-Wyoming Council passed the following motion, supporting the attached resolutions from the Western Ontario Wardens Caucus regarding Support to Revoke Strong Mayor Powers and Increase in the Leave to Construct Threshold.

Motion 14 Moved by Councillor Kristen Rodrigues
Seconded by Councillor John van Klaveren
That Council support item 'S' Strong Mayor Powers & 'T' Leave to Construct Threshold from the Western Ontario Warden's Caucus.

Carried.

If you have any questions regarding the above motion, please do not hesitate to contact me by phone or email at eflynn@plympton-wyoming.ca.

Sincerely,

Ella Flynn
Deputy Clerk
Town of Plympton-Wyoming

cc: Sent via e-mail
Western Ontario Wardens' Caucus
Hon. Rob Flack, Associate Minister of Housing – Rob.Flack@pc.ola.org
Matthew Rae, Parliamentary Assistant to the Minister of Municipal Affairs and Housing – Matthew.Rae@pc.ola.org
All Ontario Municipalities



October 24, 2023

Premier R. Ford
Premier of Ontario
premier@ontario.ca

and

The Honourable Paul Calandra
Minister of Municipal Affairs and Housing
Send electronically via email
minister.mah@ontario.ca

Re: Strong Mayor Powers

Dear Premier Ford and Minister Calandra

Please be advised at the regular meeting of the Western Ontario Wardens' Caucus held on October 13, 2023, the following resolution was passed:

Moved by M. Ryan, seconded by B. Milne:

THAT item of correspondence 7-1(b) be received; and

WHEREAS the Western Ontario Wardens Caucus Inc. (WOWC) is a not-for-profit organization representing 15 upper and single tier municipalities in Southwestern Ontario with more than one and a half million residents;

AND WHEREAS the purpose of WOWC is to enhance the prosperity and overall wellbeing of rural and small urban communities across the region;

AND WHEREAS the Strong Mayors, Building Homes Act, 2022, S.O. 2022, c. 18, for select municipalities, transfers legislative responsibility from the deliberative body of the Council to the Head of Council;

AND WHEREAS the Better Municipal Governance Act, 2022, S.O. 2022, c. 24 provides for provincially appointed facilitators to assess the regional governments to determine the mix of roles and responsibilities between the upper and lower-tier municipalities;

AND WHEREAS the Building Faster Fund arbitrarily ties housing supportive funding to municipalities that establish a housing target based solely on population size;

AND WHEREAS "responsible and accountable governments with respect to matters within their jurisdiction;

AND WHEREAS overcoming the housing and affordability crisis in Ontario requires sustained, strategic, and focused efforts from all levels of government, informed from the expertise of all levels of government.

NOW THEREFORE BE IT RESOLVED THAT WOWC calls on the provincial government to work with municipalities in Ontario, as a responsible and accountable level of government, to focus all efforts on tackling the housing and affordability crisis in Ontario by:

Revoking existing 'strong mayor powers' and not implementing legislation that transfers legislative responsibility from the body of Council to the Head of Council.

Respecting spheres of jurisdiction, recognizing that municipalities are best positioned to determine the mix of roles and responsibilities between upper and lower-tier municipalities and only conduct structural and service delivery reviews of municipalities or regions where a majority of municipalities included within the region, request the same.

Recognizing rural and small urban municipalities are critical to overcoming the housing and affordability crisis in Ontario and not allocating the majority of scarce provincial housing supportive funding to a limited subset of large urban municipalities in Ontario.

AND THAT WOWC calls upon the provincial government to provide all municipalities with the financial resources to tackle the housing and affordability crisis in Ontario that is pricing too many people, especially young families and newcomers, out of home ownership, while amplifying socio-economic disparities and reliance on municipally provided human services;

AND THAT this resolution be forwarded to the Association of Municipalities of Ontario for support so that the future governance of our communities is in the hands of its constituents;

AND THAT this resolution be forwarded to: the Minister of Municipal Affairs and Housing and the Premier of Ontario; WOWC Members; the EOWC, and all WOWC area MPs and MPPs. - **CARRIED**

Please contact Kate Burns Gallagher, Executive Director, Western Ontario Warden' Caucus, kate@wowc.ca should you have any questions regarding this matter.

Sincerely,



Glen McNeil
Chair, Western Ontario Wardens' Caucus



cc.

Hon. Rob Flack, Associate Minister of Housing

Rob.Flack@pc.ola.org

Matthew Rae, Parliamentary Assistant to the Minister of Municipal Affairs and Housing

Matthew.Rae@pc.ola.org

WOWC MPPs

WOWC MPs

Eastern Ontario Wardens' Caucus



October 24, 2023

The Honourable Todd A. Smith,
Minister of Energy, Ontario
Send electronically via email
MinisterEnergy@ontario.ca

Re: Leave to Construct Threshold

Dear Minister Smith,

On October 13, 2023, the WOWC passed a resolution in favour of the Government of Ontario updating the LTC cost threshold from \$2M to \$20M for hydrocarbon lines (by amending Ontario Regulation O.Reg.328/03) while maintaining current requirements and expectations for Indigenous consultation and environmental review for projects greater than \$2M and less than \$10M.

Western Ontario has seen significant growth in the past decade with pressures to build out the gas pipeline network. Many municipalities in our region have lost major investment opportunities because of the delays in getting natural gas to development sites. Any person or company planning to construct hydrocarbon transmission facilities within Ontario, must apply to the OEB for authorization, if the projected cost to build the pipeline is over \$2 million, a threshold that was set in 1998.

Industry proposes updating the LTC cost threshold from \$2M to \$10M for hydrocarbon lines (by amending Ontario Regulation O.Reg.328/03) while maintaining current requirements and expectations for Indigenous consultation and environmental review for projects greater than \$2M and less than \$10M. Increasing the cost threshold to \$10M would closer align Ontario with other Canadian jurisdictions (e.g., in B.C., these thresholds are \$15M for electricity and \$20M for natural gas). The WOWC is recommending a \$20M threshold for our Province to be competitive with other Canadian jurisdictions.

Ontario's outdated regulations are causing the LTC to apply far more broadly than intended when it was established over 20 years ago. Due to increased regulatory and cost pressures, as well as inflation, virtually all gas pipeline projects are now greater than \$2M rendering the threshold meaningless. Roughly 0.5 KM pipe in urban settings now often exceed the \$2M threshold.

Examples of businesses lost in the region due to the regulation include;

- EV Battery Manufacturer, investment of \$1 Billion
- New Distillery
- 2 New Agricultural processing plants - \$140 million total investment
- New Agricultural plant - \$225 million USD investment

Modernizing these outdated regulations would reduce delays and costs for economic development initiatives including new industries seeking to locate in Ontario and create jobs (or existing seeking to expand), transit projects, community expansion projects, housing developments, connections for low carbon fuel blending (e.g. renewable natural gas, hydrogen) as well as residential and business customer connections.

The WOWC supports an increase in the Leave to Construct threshold to \$20M.

Sincerely,

A handwritten signature in black ink that reads "Glen McNeil". The signature is written in a cursive, flowing style.

Glen McNeil
Chair, Western Ontario Wardens' Caucus

cc.

Western Ontario MPPs
WOWC Members
WOWC Local Municipalities

News Release

For Immediate Release

FONOM wants to recognize and thank Chief Daniel Foy and Chief Scott Tod for their commitment to Bail Reform and the impacts of Property Damage in Northern Communities

December 4, 2023, Temiskaming Shores, Ontario

Recently, Chief Daniel Foy of the Timmins Police Service and Scott Tod of the North Bay Police Service announced their retirements. They have served their respective communities with exemplary dedication. Earlier this year, FONOM partnered with the Four Police Chiefs in Northeastern Ontario and created Bail Reform and Property Crime Taskforce (previously Catch n Release). President Danny Whalen commented, “Daniel and Scott were not only strong leaders in their communities” and “they were instrumental in Northern Ontario having a voice on necessary changes to Bill 75.”

In May, at the FONOM AGM in Parry Sound, the Taskforce wrote a Resolution asking for four changes to Bill C75. In May, President Whalen commented, “*The Resolution stands for itself, and we will leverage our relationship with other Municipal Caucus’ to get Province-wide support.*” Within the month, 70 support resolutions were passed by communities in Northern Ontario.

The four main points of the Resolution were as follows.

1. Create a Designation of a chronic persistent offender.
2. Allow community impact statements at bail and at bail hearings.
3. Creating reverse onus in bail for all firearms offences.
4. All bail-related gun charges go to the superior court for bail release.

Later that month, Bill 48 was introduced by David Lametti, Minister of Justice and Attorney General of Canada, which will amend the Criminal Code.

Chief Foy and Chief Tod, as vital members of the Ontario Associations of Chiefs of Police (OACP), were strong advocates for the challenges Northern City and communities are experiencing.

The FONOM Board would like to thank these gentlemen for their work on behalf of Northeastern Ontario, and their efforts have helped lay a strong foundation for improving society. We wish them well in their retirement.

FONOM is an association of some 110 districts/municipalities/cities/towns in Northeastern Ontario mandated to work for the betterment of municipal government in Northern Ontario and strive for improved legislation respecting local government in the North. It is a membership-based association that draws its members from Northeastern Ontario and is governed by an 11-member board.



Danny Whalen
President, Federal of Northern Ontario Municipalities
705-622-2479

NEWS RELEASE

Ontario Investing in Programs to Prevent and Address Gender-based Violence

New funding will help more women and survivors access critical support services

December 06, 2023

[Children, Community and Social Services](#)

[Women's Social and Economic Opportunity](#)

TORONTO – The Ontario government is investing an additional \$18.7 million this year to help prevent and address violence against women and girls. This funding builds on the province's existing investments of \$1.4 billion over the next four years to end gender-based violence and support victims.

"Today marks the National Day of Remembrance and Action on Violence Against Women, which honours the 14 women killed and those injured 34 years ago at l'Ecole Polytechnique de Montréal," said Michael Parsa, Minister of Children, Community and Social Services. "This day is a solemn reminder of the importance of ensuring that we do all we can to prevent gender-based violence and address its root causes. Our investments will help ensure women and girls can live in safety – free from violence."

The \$18.7 million investment includes an additional \$18.14 million to approximately 400 gender-based violence service providers across the province to help them hire more staff, improve services and increase their ability to provide services to women and children.

An additional \$546,000 will be invested in the [Women's Economic Security Program](#) and the [Investing in Women's Futures](#) program to create more opportunities for women to build skills, gain employment and become financially independent.

"These investments are a continuation of our wider work to support women's success and build a stronger Ontario together," said Charmaine Williams, Associate Minister of Women's Social and Economic Opportunity. "Increasing women's participation in the economy is critical to their financial independence, their family's prosperity, and Ontario's economic growth. Because when women succeed, Ontario succeeds."

This funding is part of Ontario's \$162 million agreement with the federal government through the National Action Plan to end Gender- Based Violence.

"The Government of Canada is proud to support programs that help women and children experiencing gender-based violence, through the National Action Plan to End Gender-Based Violence. Ontario-STANDS is one of many examples of this funding in action, and we commend the frontline workers who are working day after day to save lives. During the 16 Days of Activism Against Gender-Based Violence, we remember the lives lost to violence and commit to building a safer Canada for everyone," said Minister Marci Ien, Minister for Women and Gender Equality and Youth of Canada.

Over the next four years, the province will implement a cross-government strategy to increase funding to service providers to increase their ability to provide supports, expanding initiatives that help stop gender-based violence before it occurs, making it more seamless for women and children to transition between supports, and expand programs that provide training and employment opportunities for women so they can gain financial independence.

Quick Facts

- Ontario's investments over the next four years to help end gender-based violence is guided by [Ontario-STANDS: Standing Together Against gender-based violence Now through Decisive actions, prevention, empowerment and Supports](#).
 - In 2019, Ontario recorded more than 30,000 incidents of intimate partner violence. (source: [Number of male and female intimate partner violence victims in Canada in 2019, by province](#)).
 - 62 women and children were killed through gender-based violence between November 26, 2022, and November 25, 2023. (source: [2023 Annual Femicide List Press Release OAITH](#)).
 - Ontario's plan is aligned with other Canadian and international jurisdictions that focus on building safer and healthier communities through violence prevention while supporting women's well-being and economic opportunities.
-

Quotes

"On behalf of our membership, Family Service Ontario applauds the government's commitment to addressing gender-based violence through a comprehensive strategy that includes a focus on prevention. This is a pivotal step, and family service agencies stand prepared to collaborate, working together with all stakeholders to ease the growing epidemic of gender-based violence in our communities."

- Susan Somogyi Wells
Chief Executive Officer, Family Service Ontario

"We applaud the Ontario government's commitment to funding initiatives that help stabilize critical programs, ease service system pressures, and enhance connections to vital services. This announcement underscores the dedication to supporting survivors in their journey to leave and recover from violence and exploitation, fostering a safer and more resilient community."

- Carly Kalish
Executive Director, Victim Services Toronto

"For over 50 years ONWA has been working to empower, support and end violence against Indigenous women. Indigenous women, like all people, have the fundamental right to be safe. When Indigenous women are safe and well, communities and families are better able to thrive. I am pleased to see the Ontario government's commitment to ending gender-based violence. It will take everyone working together to address violence against women and systemic racism. I look forward to working in partnership towards systemic change."

- Cora McGuire-Cyrette
Chief Executive Officer, Ontario Native Women's Association

"Action ontarienne contre la violence faite aux femmes wishes to thank the Ontario government for the new investments in the field of violence against women. Action ontarienne also appreciates the government's commitment to the Francophone community. French-speaking women have the right to access quality and continuous services in their language and should be able to rely on the support of stable and sustainable organizations. Action ontarienne is proud to continue collaborating with the government in the elimination of violence against women."

- Maira Martin

General Director, Action ontarienne contre la violence faite aux femmes

"Gender-based and intimate partner violence is a crisis in Ontario's municipalities requiring an urgent and coordinated response across all levels of government. The province's plan strengthens critical services and supports, recognizes the importance of community-specific approaches, and commits to important reforms in the justice system. Municipalities look forward to working with the province and broader partners to build an Ontario free of gender-based violence."

- Colin Best

President, Association of Municipalities of Ontario

"Expertise exists in community-based organizations in Ontario, such as sexual assault centres and other community supports. At Ontario Coalition of Rape Crisis Centres (OCRCC), we laud a gender-based violence plan that builds on the existing work of the sector; a strong gender-based violence response plan also includes investment in Indigenous organizations supporting women, girls and gender diverse people. We support an Ontario plan that recognizes this expertise."

- Elise Hineman and Joanna Brant

Co-chairs, Ontario Coalition of Rape Crisis Centres (OCRCC)

Additional Resources

[Government of Canada National Action Plan on Gender-based Violence Framework](#)

[Get help if you are experiencing violence | ontario.ca](#)

[Ontario.ca/women](https://ontario.ca/women)

Related Topics

Health and Wellness

Get help navigating Ontario's health care system and connecting with the programs or services you're looking for. [Learn more](#)

Home and Community

Information for families on major life events and care options, including marriage, births and child care. Also includes planning resources for municipalities. [Learn more](#)

Media Contacts

Patrick Bissett

Minister's Office

Patrick.Bissett@ontario.ca

Media Relations

Ministry of Children, Community and Social Services

media.mccss@ontario.ca

Accessibility

Privacy

Contact us

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Temiskaming Shores, ON, P0J 1P1
705-628-7233
zackscribtemiskaming@gmail.com
<https://www.zackscrib.org/>
783086879RR0001

December 4, 2023

Community Partners

Subject: Zack's Crib Soft Opening

Dear Community Partner,

The Zack's Crib team is excited to inform you that the Safe Beds Program will be anticipating a soft opening December 10th, 2023, at 10:00 pm. In preparation we are contacting our community partners and doing community outreach to notify unhoused community members that we are now open. We will be supporting community members that require emergency overnight shelter and will offer support via community referrals. Our mission is to promote and coordinate services that alleviate, prevent, and end homelessness.

Our hours of operation are from 10:00 pm to 8:00 am, 7 days a week, including 8:00am to 4:00pm Saturday and Sunday. Our on-site Coordinator will be present Monday to Friday from 7am to 3pm via appointments with the guests of Zack's Crib.

We have met with many of you over the course of the past four weeks. Your assistance, grace, cooperation, and encouragement has been helpful. We plan to meet with each of you soon, to organize and collaborate within our specific mandates, knowledge, and areas of expertise.

In the meantime, if you have questions, do not hesitate to contact me.



CINDY DUBE

Director, Zack's Crib

**Temiskaming Shores and Area Safe Bed Facility
Offering Support to Individuals Experiencing Homelessness**

Vision

"To end homelessness in Temiskaming Shores and Area."

Mission

"Promote, coordinate and provide services that alleviate and prevent homelessness."



Clerk's Department
Township of Clearview
Box 200, 217 Gideon Street
Stayner, Ontario L0M 1S0
clerks@clearview.ca | www.clearview.ca
Phone: 705-428-6230

December 12, 2023

File: C00.2023

Hon. Todd McCarthy
Ministry of Public and Business Service Delivery
777 Bay Street, 5th Floor
Toronto ON M5B 2H7

Sent by Email

RE: Cemetery Transfer/Abandonment Administration & Management Support

Please be advised that Council of the Township of Clearview, at its meeting held on December 11, 2023, passed a resolution regarding Cemetery Transfer/Abandonment Administration & Management Support as follows:

Moved by Councillor Walker, Seconded by Councillor Broderick, Whereas under the Funeral, Burial and Cremation Services Act, 2002 (FBCSA), when a cemetery is declared abandoned by a judge of the Superior Court Justice, the local municipality within whose geographic boundaries the land of the cemetery is located, becomes the owner of the cemetery with all the rights and obligations in respect of the cemetery and the assets, trust funds and trust accounts related to it that the previous owner or operator possessed;

And Whereas over the last decade, there has been an increase in the number of churches and local cemetery boards initiating processes to transfer ownership or abandon their owned and operated cemeteries to the local municipality due to such issues as high maintenance costs, inaccuracy of records, lack of financial and human resources to effectively operate and maintain the cemetery, increased regulatory processes regarding training, selling of interment rights, financial operation of the care and maintenance fund, etc.;

And Whereas municipalities experience the same issues and pressures that churches and local boards experience with the operation and maintenance of cemeteries within its jurisdiction, and additional transfers of cemetery lands only compound the burden on municipal taxpayers;

And Whereas cemeteries are important infrastructure where the reasonable costs for interment rights, burials, monument foundations, corner stones and administration charges do not sufficiently support the general operation of cemeteries;

And Whereas the interest earned from the care and maintenance fund(s) of a cemetery do not provide adequate funding to maintain the cemetery with the rising costs of lawn and turf maintenance contracts and monument restoration;

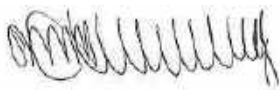
Now Therefore Be It Resolved that Council of the Township of Clearview requests that the Province through the Ministry of Public and Business Service Delivery and the Bereavement Authority of Ontario (BAO) consider the following to assist municipalities in this growing concern of cemetery transfers:

- Amend the Funeral, Burial and Cremation Services Act, 2002 (FBCSA), to have the Province, through the BAO, identified as the default owner and operator of a cemetery when it is abandoned;
- Provide annual funding (based on the number of cemeteries a municipality owns and operates) to municipalities to assist with the maintenance of inactive and active cemeteries; Page 6 of 7
- Provide free training opportunities for municipalities regarding cemetery administration; and,
- Investigate and support the design of universal cemetery software for use by municipal cemetery operators that can be offered at an affordable cost.

And that this resolution be circulated to the Hon. Todd McCarthy, Ministry of Public and Business Service Delivery, Jim Cassimatis, BAO Interim CEO/Registrar, MPP Brian Saunderson and all Ontario municipalities. Motion Carried.

For reference, please find attached the Staff Report LS-032-2023 that provides background for the above resolution. If you have any questions, please do not hesitate to contact the undersigned.

Regards,



Sasha HelmKay-Playter, B.A., Dipl. M.A., AOMC
Clerk/Director of Legislative Services

cc: Jim Cassimatis, BAO Interim CEO/Registrar
MPP Simcoe Grey, Brian Saunderson
Ontario Municipalities



Staff Report

To: Mayor and Council

From: Sasha Helmkey, Clerk/Director of Legislative Services

Date: December 11, 2023

Subject: Report # LS-032-2023 – Cemetery Transfer/Abandonment Administration & Management Support

Recommendation

Be It Resolved that Council of the Township of Clearview hereby receives Report LS-032-2023 (Cemetery Transfer/Abandonment Administration & Management Support) dated December 11, 2023; and,

Whereas under the Funeral, Burial and Cremation Services Act, 2002 (FBCSA), when a cemetery is declared abandoned by a judge of the Superior Court Justice, the local municipality within whose geographic boundaries the land of the cemetery is located, becomes the owner of the cemetery with all the rights and obligations in respect of the cemetery and the assets, trust funds and trust accounts related to it that the previous owner or operator possessed;

And Whereas over the last decade, there has been an increase in the number of churches and local cemetery boards initiating processes to transfer ownership or abandon their owned and operated cemeteries to the local municipality due to such issues as high maintenance costs, inaccuracy of records, lack of financial and human resources to effectively operate and maintain the cemetery, increased regulatory processes regarding training, selling of interment rights, financial operation of the care and maintenance fund, etc.;

And Whereas municipalities experience the same issues and pressures that churches and local boards experience with the operation and maintenance of cemeteries within its jurisdiction, and additional transfers of cemetery lands only compound the burden on municipal taxpayers;

And Whereas cemeteries are important infrastructure where the reasonable costs for interment rights, burials, monument foundations, corner stones and administration charges do not sufficiently support the general operation of cemeteries;

And Whereas the interest earned from the care and maintenance fund(s) of a cemetery do not provide adequate funding to maintain the cemetery with the rising costs of lawn and turf maintenance contracts and monument restoration;

Now Therefore Be It Resolved that Council of the Township of Clearview requests that the Province through the Ministry of Public and Business Service Delivery and the Bereavement Authority of Ontario (BAO) consider the following to assist municipalities in this growing concern of cemetery transfers:

- Amend the Funeral, Burial and Cremation Services Act, 2002 (FBCSA), to have the Province, through the BAO, identified as the default owner and operator of a cemetery when it is abandoned;
- Provide annual funding (based on the number of cemeteries a municipality owns and operates) to municipalities to assist with the maintenance of inactive and active cemeteries;
- Provide free training opportunities for municipalities regarding cemetery administration; and,
- Investigate and support the design of universal cemetery software for use by municipal cemetery operators that can be offered at an affordable cost.

And that this resolution be circulated to the Hon. Todd McCarthy, Ministry of Public and Business Service Delivery, Jim Cassimatis, BAO Interim CEO/Registrar, MPP Brian Saunderson and all Ontario municipalities.

Background

Under the Funeral, Burial and Cremation Services Act, 2002 (FBCSA), when a cemetery is declared abandoned by a judge of the Superior Court Justice, the local municipality within whose geographic boundaries the land of the cemetery is located, becomes the owner of the cemetery with all the rights and obligations in respect of the cemetery and the assets, trust funds and trust accounts related to it that the previous owner or operator possessed.

Over the last decade there appears to be a trend where cemeteries in Ontario are being transferred, whether through abandonment or a mutually agreed upon transfer, to the care and control of municipalities. This is often seen when there is a breakdown in existing cemetery boards and/or when churches cease operations. For many existing private cemetery boards their board members and volunteers are aging and are unable to assist with the operations and maintenance of the cemetery any longer. Finding new members proves to be difficult for these boards to continue. In addition to aging board members, there are other issues that are contributing to the increase in cemetery transfers:

- high maintenance costs
- inaccuracy of records
- lack of financial and human resources to effectively operate and maintain the cemetery

- increased regulatory processes that require ongoing training for selling of interment rights, and the financial operation of the care and maintenance fund, etc.

Township Owned Cemeteries

The Township of Clearview currently owns and operates nine (9) cemeteries within its geographic boundaries. Out of these nine cemeteries, four (4) are considered active meaning that there are still interment rights to be sold, or burials to take place. Below is a chart outlining these cemeteries and their status:

Cemetery Name	Address	Status
Batteau Hill Cemetery	2670 County Road 124, Duntroon	Inactive
Bethel Union Cemetery	2249 Creemore Avenue, New Lowell	Inactive
Dunedin Union Cemetery	9 Turkeyroost Lane, Dunedin	Active
Duntroon Pioneer Cemetery	2870 County Road 124, Duntroon	Inactive
Lavender Cemetery	827103 Mulmur/Nottawasaga Townline, Creemore	Active
Old Zion Presbyterian Church Cemetery	6130 Highway 26, Sunnidale Corners	Inactive
Second Line Nottawasaga Cemetery	2279 County Road 42, Stayner	Active
Stayner Union Cemetery	7661 Highway 26, Stayner	Active
Zion Presbyterian Church Cemetery	12358 County Road 10, Sunnidale Corners	Inactive

For the Dunedin and Stayner Union Cemetery, the Township looks after the maintenance and burials through a third-party contractor. The maintenance and burials for the Lavender Cemetery are conducted through the Board. For the Second Line Nottawasaga Cemetery all the interment rights have been sold, but there remains one burial to be completed. The cost to maintain an active cemetery is expensive. Although burial costs and the installation of markers, etc. are cost recovery through the purchaser, grounds maintenance is not.

Inactive cemeteries still require consistent grounds maintenance, which includes any monument restoration for health and safety, and record searches for the public register.

Comments and Analysis

When analyzing the number of cemeteries that Clearview Township currently owns and operates, maintenance and administration is a large undertaking. To add any additional cemeteries by way of transfer or abandonment will only compound the issues the Township is already facing. In the past year, the Township has been approached by two separate entities regarding possible cemetery transfers. When a board or cemetery transfers ownership to the municipality, the issues are transferred with it. Municipalities are not immune to the same concerns. It becomes a strain on municipal resources, financially, administratively, and operationally.

Administrative Impact

From an administrative perspective the management of four active cemeteries is both time consuming and complex. No interment is the same, and providing good customer service takes time especially for those making arrangements while also dealing with grief. Administrative tasks include but are not limited to: interment right sales and mapping, burial contracts and scheduling, monument placement, historical record searches, plot and monument staking, fees and charges review, family transfers of interment rights and annual reporting to the Bereavement Authority of Ontario (BAO).

- **Incomplete records**

Often the records accepted by the Township from a dissolved cemetery board or church are incomplete and disorganized. This is no fault of the previous board members, as they are also often operating with limited resources. However, it does make it difficult to manage the cemetery post-transfer when records are sparse. Understanding which plots are occupied and by who is critical to the sound management of a cemetery. Unfortunately, this is not made possible in all cases because of incomplete records. In addition, records received during a transfer usually are maintained under different records management standards and are often organized and named inconsistently. Adaptation to Township records keeping practices takes time.

- **Lack of human resources**

Cemetery management is a highly regulated professional field, with the responsibility of which is often placed on public sector employees who may have limited knowledge of cemeteries in general. With reduced resources within municipalities especially rural ones, the management of cemeteries often becomes a secondary responsibility to another position. There is also a lack of affordable training available for municipal employees who are required to abide by regulations set out by the FBCSA and the BAO.

- **Increased regulatory processes**

Annual reporting requirements of the BAO can be extensive and complex. This includes monitoring the number of interments, the transfers to the Care and Maintenance Fund (C&M), and how the C&M fund can be used. There are also regulations pertaining to maintaining a public register, how sales are to be conducted and strict guidelines on Cemetery By-law approvals, and expansions including the erection of columbaria structures.

- **Inconsistent cemetery regulations**

Cemeteries can have many different regulations related to plot size, number of burials allowed in a given plot, monument size, what types of flowers/shrubs are allowed to be installed near a headstone etc. The transfer of different cemeteries having inconsistent regulations can make it difficult to adapt management practices in order to maintain original cemetery operational standards.

Operational Impact

Similarly, from an operational perspective the grounds maintenance of cemeteries, whether active or inactive, is both time consuming and complex. A key issue when analyzing the maintenance component of cemetery management is the lack of financial resources to support the operation. Cemetery maintenance includes, but is not limited to: grass cutting (whipper snipping around monuments), tree and shrub maintenance, monument and corner stone maintenance, water pipe and washroom monitoring, and general upkeep of cemetery grounds (removal of debris, etc.).

- **High maintenance costs**

As with many services, there are rising costs to contend with. Municipalities have adopted different models to address the maintenance of such, with third party contractors being commonly used or it becomes the responsibility of an internal department such as Parks & Recreation. Regardless the model, the costs have increased significantly over the last decade with equipment purchases/upgrades, insurance requirements for third-party contractors, and the time it takes to cut the grass and whipper snip around monuments. To put it into perspective, the Stayner Union Cemetery with the expansion is 25 acres with monuments to manoeuvre around during ground care. Other considerations for maintenance includes monument restoration and ensuring that they are not deteriorated to the point where they are unsafe. This is important for older cemeteries where restoration hasn't been provided in the past and there are many deteriorating monuments.

- **Cost of cemetery management software**

Cemetery Management Software can help municipalities manage cemetery records, including plot sale contracts, interment rights certificates, and regulatory reporting.

However, these software solutions are often expensive and require a large amount of staff time to implement especially with incomplete data and records. These software solutions range in price from \$5,000 to \$100,000 with annual maintenance costs. This investment in software can be a large budget request and one that would need to be supported from taxation with the limited funds in cemetery general accounts.

- **Inadequate Care and Maintenance funds**

When the Funeral, Burial and Cremation Services Act, 2002 (FBCSA) was enacted, it stipulated that a care and maintenance fund for a cemetery shall be established. A cemetery operator is required to make contributions to the fund from the sale of in-ground graves, crypts, tombs, niches, scattering rights and monument installation. The contribution is prescribed under the FBCSA and differs dependant on the interment type. The idea is that the fund (income earned from the fund - interest) pays for maintenance costs after a cemetery has stopped making sales. In reality, this concept does not produce enough funds to maintain a cemetery. Looking at the Stayner Union Cemetery as an example, for the very basics (grass cutting and whipper snipping) the interest from the care and maintenance fund does not provide enough monies to maintain the cemetery for the 7 months it's required. In addition, the care and maintenance fund is also to be utilized for the stabilization, maintenance and security of markers. Cemeteries are not self funding, and maintenance of such is becoming a larger budget concern.

Support Request

Cemetery transfers and abandonments have been an ongoing concern for Clearview Township for many years. When you look at the large geography of the Township there are many cemeteries within the boundaries that have the potential to be transferred. To gauge the concern of other municipalities on this issue, staff addressed it at a Simcoe County Clerks group discussion. Many neighbouring municipalities expressed that they were dealing with the same issues and have also been approached by different external entities on possible transfers.

As result of the discussion, it was agreed that to assist with the real concerns with transfers and abandonments of cemeteries, it's vital that the Province provide assistance to adequately support this infrastructure. Support can be provided in many different forms, with staff making the following recommendations for the Ministry of Public and Business Service Delivery and the BAO:

- Amend the Funeral, Burial and Cremation Services Act, 2002 (FBCSA), to have the Province, through the BAO, identified as the default owner and operator of a cemetery when it is abandoned;

- Provide annual funding (based on the number of cemeteries a municipality owns and operates) to municipalities to assist with the maintenance of inactive and active cemeteries;
- Provide free training opportunities for municipalities regarding cemetery administration; and,
- Investigate and support the design of universal cemetery software for use by municipal cemetery operators that can be offered at an affordable cost.

There is not one solution to solve all the issues, but at the very least it's important to identify the concerns and have open and real discussions at the provincial level on what support can be provided.

Clearview's Strategic Plan

The above initiative supports the following strategic pillars:

- Governance

Financial Implications

It is difficult to identify an exact dollar amount that can be attributed to a cemetery transfer/abandonment to the municipality. Every transfer is different and depends on a multitude of factors beginning with the cemetery status (active/inactive), acreage, care and maintenance fund (if any), maintenance of records, etc. What is being recommended by staff by way of support from the province is not meant to erase the costs entirely, but rather, to alleviate the financial burden in some capacity.

Report Appendices

Not applicable.

Approvals

Submitted by:	Sasha HelmKay, B.A., Dipl. M.A., AOMC, Clerk/Director of Legislative Services
Reviewed by:	Krista Pascoe, Deputy Clerk
Financial Implications Reviewed by:	Kelly McDonald, Treasurer
Approved by:	John Ferguson, CAO

Application to Purchase Municipal Land

City of Temiskaming Shores
 P.O. Box 2050 / 325 Farr Drive
 Haileybury, Ontario / P0J 1K0

Office Use Only

Application No.: _____ Date: _____
 Roll No.: 54-18- _____
 OP Designation: _____
 Zoning: _____

1. Applicant Information

Name of Applicant: Yvan Champoux Inc. Philippe Duguay
 Mailing Address: 40 Rue Ontario Notre Dame de Nord G.
 Email Address: Phil@maisonschampoux.com Phone: 819-723-2253

EXT: 200

2. Land Information

☐ New Liskeard ☒ Haileybury ☐ Dymond

Municipal Address

Albert St. 3 lots of 50 x 125 each

Legal Description (concession and lot numbers, reference plan and lot/part numbers)

3. Proposed use of land:

The 3 lots would need to be divided in 2 (75 x 125)
A duplex consisting of a walk out ground apartment
would be proposed on each lot
Total 8 apartments

Notes:

- Applications will be circulated to internal departments for comment followed by a memo/report to council to determine if Council would like to proceed with a potential land sale;
- If approval is received to proceed a **Non-Refundable Deposit** of \$250 is required;
- Depending on the circumstances of the land sale additional deposits may be required throughout the process to cover other costs such (i.e. reference plans, advertising fees, appraisal, legal fees etc.);

Signature of Applicant

Date (dd/mm/yy)



Rivard Bros.
LTD.
BUILDING CONTRACTOR

248 Shepherdson Road, Box 1551, New Liskeard, ON, P0J 1P0
(w) 705-647-5613 | (f) 705-647-4414 | (e) info@rivardbros.ca | www.rivardbros.ca | Find us on Facebook

December 7, 2023

Re: Letter of intent to purchase

Dear Mayor and Council,

As per ongoing conversations with the City of Temiskaming Shores and the community, Rivard Bros Ltd, Taché Construction and local investors have interest in purchasing "BLOCK D", as per the attached highlighted document, with the intent of building a multi-unit residential building, in partnership with the City of Temiskaming Shores vision to help with the demand in our area. Our governments are pushing for more housing, and this is the reason we are interested in this property, to start development as soon as possible. This potential housing project would certainly benefit the residents and the area.

We would like to meet to discuss the possible development and purchase of land.

Thank you for your time on this matter and we look forward to the next steps.

Sincerely,



Patrick Rivard
Owner, Rivard Bros Ltd



"New Buildings, Repairs, Mold Remediation, Fire & Water Restoration Specialists"

W. J. RYAN QLS. 1973

ADMITTED FOR CONTRACT 844

PLAN N 278-1100, REGISTERED Aug 2nd
AND ENTERED ON PARCEL 1860-5000
SECTION 30-11-1100-1100-1100-1100

overly Ed. White
LAND READING

CERTIFICATES, CONSENTS AND DESIGNATIONS,
ARE FILED UNDER NY 24809-20

SURVEYOR'S CERTIFICATE

1. MEMPHIS CERTIFY: 2. THAT THIS SURVEY AND PLAN ARE CORRECT AND IN ACCORDANCE WITH THE SURVEY ACT AND THE LAND TITLES ACT AND THE REGISTRATION ACT 1962 THEREUNDER.

3. THAT I WAS PRESENT OF AND DID PERSONALLY SUPERVISE THE SURVEY AND DEDUCTION OF THIS PLAN

4. THAT THIS PLAN SHOWS A TRUE COPY OF THE FIELD NOTES OF SURVEY.

5. THAT THE SURVEY WAS COMPLETED ON THE 17TH DAY OF MARCH, 1972.

MARCH 22, 1972
NEW LONDON - CT 8A 100

OWNER'S CERTIFICATE

LOTS 1 TO 6 INCLUSIVE, BLOCKS A, B, C, D, E, F AND G, THE
STREETS, NAMED M'NEILS STREET, HENRY STREET, DAVEN
PORT ROAD, STAN JONES AND SAYER AVENUE ARE DESIGNATED
WITHIN THE AREA OF SURVEY OUTLINES HAVE BEEN Laid
OUT IN ACCORDANCE WITH THE INSTRUCTIONS AND THE
STREETS ARE READY TO BE OPENED AS PUBLIC HIGHWAYS.

LANCASTER LIMITED

NOV 27 1972
W. A. Lamm
 W. A. LAMM
 PRESIDENT

W. A. Lamm
 W. A. LAMM
 PRESIDENT

BEARING NOTE

THE EXTENSION LINE FOR THIS PLAT AS SHOWN HEREON HAS AN ASSUMED BEARING OF N13°24'W ASTROGNOMIC IN ACCORDANCE WITH PLAT 568 1961.

LEGEND

WLS. MONITEE STANDARD WOOD BAR 1 IN. DIA. X 40 FT LONG.
R18. MONITEE WOOD BAR 6 IN. DIA. X 20 FT LONG.
ALL SURFACE PLANTED UNLESS OTHERWISE INDICATED.
R1 MONITEE MIT TANGENTUM.

CURVE SCHEDULE			
LOT	AREA	PERCENT	REMARKS
1	720.00	8.52	100% 100%
2	1200.00	10.00	100% 100%
3	1200.00	10.00	100% 100%
4	1200.00	10.00	100% 100%
5	1200.00	10.00	100% 100%
6	1200.00	10.00	100% 100%
7	1200.00	10.00	100% 100%
8	1200.00	10.00	100% 100%
9	1200.00	10.00	100% 100%
10	1200.00	10.00	100% 100%
11	1200.00	10.00	100% 100%
12	1200.00	10.00	100% 100%
13	1200.00	10.00	100% 100%
14	1200.00	10.00	100% 100%
15	1200.00	10.00	100% 100%
16	1200.00	10.00	100% 100%
17	1200.00	10.00	100% 100%
18	1200.00	10.00	100% 100%
19	1200.00	10.00	100% 100%
20	1200.00	10.00	100% 100%
21	1200.00	10.00	100% 100%
22	1200.00	10.00	100% 100%
23	1200.00	10.00	100% 100%
24	1200.00	10.00	100% 100%
25	1200.00	10.00	100% 100%
26	1200.00	10.00	100% 100%
27	1200.00	10.00	100% 100%
28	1200.00	10.00	100% 100%
29	1200.00	10.00	100% 100%
30	1200.00	10.00	100% 100%
31	1200.00	10.00	100% 100%

Approved under Section 33 of
THE PLANNING ACT.

7th August 1973

NO. 004
JAN 1970
Teacher of Chinese and
Minister of Education and
Environmental Affairs

73554

Application to Purchase Municipal Land

City of Temiskaming Shores
P.O. Box 2050 / 325 Farr Drive
Haileybury, Ontario / P0J 1K0

Office Use Only

Application No.: _____ Date: _____
Roll No.: 54-18-_____-_____-_____
OP Designation: _____
Zoning: _____

1. Applicant Information

Name of Applicant: Rivard Bros Ltd
Mailing Address: Box 1551, New Liskeard ON P0J 1P6
Email Address: patrick.rivard@firstgenoval.ca Phone: 705-647-5613

2. Land Information

☒ New Liskeard ☐ Haileybury ☐ Dymond

Municipal Address

Block D - Baker & McKelvie St (see attached lot plan)

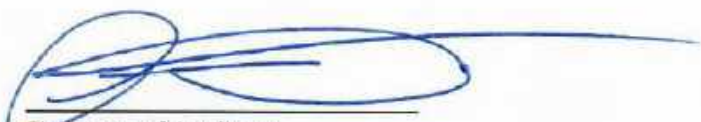
Legal Description (concession and lot numbers, reference plan and lot/part numbers)

3. Proposed use of land:

Residential

Notes:

- Applications will be circulated to internal departments for comment followed by a memo/report to council to determine if Council would like to proceed with a potential land sale;
- If approval is received to proceed a **Non-Refundable Deposit** of \$600 is required (By-law No. 2023-025);
- Depending on the circumstances of the land sale additional deposits may be required throughout the process to cover other costs such (i.e. reference plans, advertising fees, appraisal, legal fees etc.);


Signature of Applicant

4/12/2023
Date (dd/mm/yy)



Agenda

Nov 15th, 2023 5:30pm

RIVARC

1.0 CALL TO ORDER:

2.0 ROLL CALL:

Members:

- **Sherry Ridley**
- **Sean Rivard**
- **Joline Rivard**
- **Mark Wilson**
- **Lisa Vandermeer**

Staff:

- **Tiffany White as coordinator**
- **Andrea Brock as consultant**
- **James Frank as mentor**

3.0 APPROVAL OF AGENDA:

Moved by:

Seconded by:

4.0 DISCLOSURE OF PECUNIARY INTEREST OR GENERAL NATURE:



5.0 **REVIEW AND ADOPTION OF PREVIOUS MINUTES:**

Oct 16th 2023

Moved by:

Seconded by:

6.0 **ORGANIZATION BOARD**

7.0 **HALLOWEEN HAUNT-follow up**

8.0 **TREE LIGHTING, Nov 23rd 6:00pm**

9.0 **AGM**

10.0 **NEW BUSINESS**

12.0 **DATE OF NEXT MEETING:**

13.0 **ADJOURNMENT:**

Moved by:

Time of adjournment:

**The Corporation of the City of Temiskaming Shores
Committee of Adjustment**

Meeting Minutes

September 27, 2023

Present: Chair: Carman Kidd
Members: Dan Dawson, Melanie Ducharme, Suzanne Othmer, Robert Ritchie

Regrets: Voula Zafiris

Also Present: Jennifer Pye, Planner and Secretary-Treasurer

Public: None

1. Opening of Meeting

Resolution No. 2023-38

Moved By: Suzanne Othmer

Seconded By: Dan Dawson

Be it resolved that the Committee of Adjustment meeting be opened at 1:30 p.m.

Carried

2. Adoption of Agenda

Resolution No. 2023-39

Moved By: Melanie Ducharme

Seconded By: Robert Ritchie

Be it resolved that the Committee of Adjustment adopts the agenda as printed.

Carried

3. Declaration of Pecuniary Interest

None

4. Adoption of Minutes

Resolution No. 2023-40

Moved By: Dan Dawson

Seconded By: Melanie Ducharme

Be it resolved that the Committee of Adjustment for the City of Temiskaming Shores hereby approves the minutes of the July 26, 2023 Committee of Adjustment Meeting as amended.

Carried

5. Public Hearings

The Chair advised that this afternoon a public hearing is scheduled for one consent application.

The Planning Act requires that a public hearing be held before the Committee of Adjustment decides whether to approve such applications. The public hearing serves two purposes: first, to present to the Committee and the public the details and background to the proposed application and second, to receive comments from the public and agencies before a decision is made.

5.1 Consent Applications B-2023-07– Temiskaming Lodge on behalf of Pedersen Materials Ltd., land located east of 144 Drive In Theatre Road

The Chair declared the public hearing for consent application B-2023-07 to be open.

**The Corporation of the City of Temiskaming Shores
Committee of Adjustment**

Meeting Minutes

September 27, 2023

The Planner summarized the proposal and provided additional relevant information.

Subject land:

East of 144 Drive In Theatre Road; DYMOND CON 3 N PT LOTS 9 AND 10 RP 54R5247 PT PARTS 3 AND 4 PCL 23075SST

Purpose of the applications: The purpose of the application is to sever a 2.53 hectare (6.25 acre) parcel of land from the northern-most extent of the subject property, to be added to the adjacent property to the west on which the new Temiskaming Lodge long term care facility is currently under construction. The applicant has indicated that it is their intent over the long term to construct a building on the proposed severed property, which could include an addition to the newly-constructed Temiskaming Lodge, housing for employees of the long term care facility, and/or apartments for seniors. Development of the proposed severed property is not anticipated in the near term.

Statutory Public Notice: The application was received on August 29, 2023 and was circulated to City staff. Notice of the complete application and the public hearing was advertised in the Temiskaming Speaker and Weekender beginning on September 13, 2023 in accordance with the statutory notice requirements of the Planning Act. Notice of the application was also mailed to property owners within 60m of the subject land.

The Planner reviewed the planning report and advised that the application is consistent with the Provincial Policy Statement (2020), meets the general intent and purpose of the City of Temiskaming Shores Official Plan and City of Temiskaming Shores Zoning By-law, and recommended that the Committee approve the application.

The Committee considered and adopted the following resolutions:

Resolution No. 2023-41

Moved By: Robert Ritchie

Seconded By: Melanie Ducharme

Whereas the Committee of Adjustment for the City of Temiskaming Shores has considered Consent Application B-2023-07 as submitted by Temiskaming Lodge on behalf of Pedersen Materials Ltd. for the lands located east of 144 Drive In Theatre Road, described as: the northern portion of DYMOND CON 3 N PT LOTS 9 AND 10 RP 54R5247 PT PARTS 3 AND 4 PCL 23075SST;

And whereas the applicant is proposing to sever a 2.53 hectare (6.25 acre) parcel of land from the northern-most extent of the subject property, to be added to the adjacent property to the west on which the new Temiskaming Lodge long term care facility is currently under construction;

And whereas the Committee of Adjustment for the City of Temiskaming Shores has received the Planning Report dated September 22, 2023 and has considered the recommendations;

Be it resolved that the Committee of Adjustment for the City of Temiskaming Shores approves Consent Application B-2023-07 subject to the following conditions:

- 1) The following documents shall be provided to the Secretary-Treasurer for the transaction described:
 - a) Two copies of the signed Acknowledgement and Direction;
 - b) The "Transfer in Preparation" and/or "Transfer Easement in Preparation";

**The Corporation of the City of Temiskaming Shores
Committee of Adjustment**

Meeting Minutes

September 27, 2023

- c) A Planning Act Certificate Schedule on which is set out the entire legal description of the parcel(s) in question. This Schedule must also contain the names of the parties indicated on Page 1 of the "Transfer in Preparation" and/or "Transfer Easement in Preparation";
 - d) A reference plan of survey which bears the Land Registry Office registration number and signature as evidence of its deposit therein, illustrating the parcel(s) to which consent approval relates;
- 2) That Section 50(3) or 50(5) of the Planning Act apply to any subsequent conveyance of or transaction involving the parcel of land that is the subject of this Consent.

Carried

6. New Business

None

7. Unfinished Business

None

8. Applications for Next Meeting

Next meeting: October 25, 2023

9. Adjournment

Resolution No. 2023-42

Moved By: Dan Dawson

Seconded By: Suzanne Othmer

Be it resolved that the Committee of Adjustment meeting be closed at 1:37 p.m.

Carried

Original signed by

Carman Kidd

Chair

Original signed by

Jennifer Pye

Secretary-Treasurer

Temiskaming Shores Public Library Board

Meeting Minutes

Wednesday, October 25, 2023

7:00 p.m. in person and via zoom

1. Call to Order

Meeting called to order by Library Board Chair Brigid Wilkinson at 6:59 p.m.

2. Roll Call

Present: Claire Hendrikx, Chair Brigid Wilkinson, Erica Burkett, Sarah Bahm and Library CEO Rebecca Hunt in person. Nadia Pelletier-Lavigne and Thomas McLean via zoom.

Regrets: Erin Little, Melanie Ducharme, Joyce Elson.

Members of the Public: 0

3. Adoption of the Agenda

Motion #2023-58

Moved by: Sarah Bahm

Seconded by: Claire Hendrikx

Be it resolved that the Temiskaming Shores Public Library Board accepts the October 25, 2023 agenda as amended.

Carried.

Additions:

Correspondence b. From Haileybury Legion

Correspondence c. From the Ontario Library Association

Correspondence d. From the Ontario Library Service

Correspondence e. From TDSS

Correspondence f. From Johnathan Turner

4. Declaration of conflict of interest: None

5. Adoption of the Minutes

Motion #2023-59

Moved by: Claire Hendrikx

Seconded by: Erica Burkett

Be it resolved that the Temiskaming Shores Public Library Board approves the minutes of the meeting held on Wednesday, September 27, 2023 as presented.

Carried.

6. Business arising from Minutes:

- a. Library Funding Resolution.** The Board Chair updated the board on the presentation to council and Temiskaming Speaker article.

7. Correspondence:

- a. From Federation of Ontario Public Libraries.** Re: Updates and advocacy priorities.
- b. From the Haileybury Legion.** Re: Poppy Campaign. For discussion. The Board will purchase wreaths from both the Haileybury and New Liskeard Legions, as in the past. Sarah will attend the New Liskeard ceremony, and Nadia the Haileybury ceremony.
- c. From Melanie Mills, President, Ontario Library Association.** Re: Library Funding Resolution. For information.
- d. From Mellissa D'Onofrio-Jones, CEO, Ontario Library Service.** Re: Library Funding Resolution. For information.
- e. From TDSS.** Re: May Ball Bursary receipt and thank you. For information.
- f. From Johnathan Turner.** Re: Thank you for May Ball Bursary. For information.

8. Secretary–Treasurer’s Report

Report, workplace inspection reports, monthly financial statement and Scotiabank Statements included in the trustees’ information packet.

Library CEO’s Report

October 18, 2023

Building: Fire Safety checks are completed on a monthly basis and reported to the Fire Prevention Officer for the City. Workplace safety inspections are completed on a monthly basis by the Library’s Health and Safety Representative.

CJTT Chats: I am continuing to do the monthly CJTT chats. The next chat will be on November 7.

Grants: The application for the Public Library Operating Grant has been submitted.

Library Days at Queen’s Park: The planning for the advocacy days at Queen’s Park continues. I will be participating in a briefing session on November 7th. I will be attending the advocacy days from November 13-16.

Northern Lights Library Network: The group will meet on November 27 for a networking session.

Ontario Public Library Week: A few programs were held during Ontario Public Library week (October 16-21), including a Puzzle Swap and a Puzzle Contest. The theme this year is “Libraries for Life.” I did a short interview with CJTT on Monday, October 16 to kick off the week.

Pool Passes update: The pool pass program has been successful. The two passes have circulated a total 19 times from the library, and have been used by at least 70 people according to statistics sent from the PFC.

Proctoring Exams: Four exams have been proctored this month, three from Ontario Water—Wastewater Certification and one from MacEwan University.

Room rental: We have several groups renting the programming room for meetings and programs on a weekly basis.

Training: I am taking part in the Working Together: Engaging Faith and Belief at Work Certification being offered by the Chamber of Commerce and the Centre for Civic Religious Literacy. The course runs biweekly for until December one afternoon a week.

The new staff member has been trained on WHIMIS, AODA Customer Service Standards, and the Introduction to Public Libraries course from the Ontario Library Association. She already has her first aid certification.

Workplace Inspections: The First Aid training is still needed for several staff members. We will try to arrange training when possible.

Finances and Statistics

The Board reviewed the workplace inspection, financial and statistical reports, including the Scotiabank Statements as provided by the CEO.

Motion #2023-60

Moved by: Nadia Pelletier-Lavigne

Seconded by: Sarah Bahm

Be it resolved that the Temiskaming Shores Public Library Board accepts the October Secretary-Treasurer's report, workplace inspection report and financial reports including Scotiabank statements.

Carried.

9. Committee Reports:

- a. Finance Committee: Nothing to report.
- b. Policy and Personnel Committee: Nothing to report.
- c. Strategic Planning Committee: Nothing to report.
- d. Library Services Committee: Schedule meeting. The CEO will send out a doodle poll to schedule a meeting.

10. New Business:

- a. **TSPL first draft 2024 budget.** Update. The Chair updated the Board on the meeting with city administration for the 2024 Draft #1 budget. The CEO will upload the 2024 Draft #2 budget by Friday, October 27.

11. Policy Review

a. Access-1 Accessibility in the Library. Review

Motion #2023-61

Moved by: Sarah Bahm

Seconded by: Nadia Pelletier-Lavigne

Be it resolved that the Temiskaming Shores Public Library Board accepts the Policy: Access-1 Accessibility in the Library Policy as amended by the Board.

Carried

b. Adv-1 Advocacy. Review.

12. Adjournment

Next meeting: Wednesday, November 22 at 7:00 at the library and zoom

Adjournment by Brigid at 7:29 p.m.

Chair –



CSWB Housing Workgroup

Virtual Meeting

Regrets: Tracey Giesen **Absent:** Michelle Fiset

#	Agenda Item	Action	Notes
1	Call to Order		11:05 am
2	Land Acknowledgement		
3	Introductions		
4	Agenda Approval	Approved	
5	New Business <ul style="list-style-type: none"> a. Workgroup Overview <ul style="list-style-type: none"> • Objectives & Scope • Member Roles & Responsibilities b. Setting Context <ul style="list-style-type: none"> • Environmental Scan • Identify Focus 	<p>a. Affordable Housing Key Priorities: Cost of Rentals, Long Waitlists, Affordable Housing vs Middle Income Affordability, Competitive Markets, Supply & Demand, Defining “Affordable Housing”, Advocacy to all levels of government.</p> <p>Robbie Donaldson and Mark Stewart to work as Co-Chairs</p> <p>b. DTSSAB to contribute data to Environmental Scan</p> <p>Cameron, Robbie, and Mark to find evidence-based information on how other municipalities are incorporating</p>	<p>a. Consider where our dollars should go; temporary solutions or housing first initiatives.</p> <p>b. Robbie suggested scanning for buildings that are suited for quick conversion into housing</p> <p>Percentage of future developments that have affordable units (Possible By-Law)</p>

	<p>c. Stakeholder Analysis</p> <ul style="list-style-type: none"> Key Stakeholders Stakeholder Engagement Strategy <p>d. Next Steps</p> <ul style="list-style-type: none"> Scheduling Future Meetings Agenda Items for Next Meeting <p>e. Open Forum</p>	<p>affordable housing ideas</p> <p>DTSSAB / Mark to share housing and homelessness plan, noting Brian Marks (Cochrane DCSSAB)</p> <p>c. Stakeholders to be invited:</p> <p>Cindy Dube from Zack's Crib, DTSSAB Housing Service Manager Steve Cox, Abby has ideas for Indigenous housing services, Smaller municipality Representatives, Town of Kirkland Lake Representatives, CMHA, Paul Jalbert, Lore-Lee Fortin, Senior's Housing Reps, PWC, Ontario Health Northeast or other health services representation</p> <p>d. Meeting Date and Time Confirmed: Last Wednesday of Every Month 11:00 – 12:00</p> <p>e. Jeff mentioned: warming & cooling centres – need to determine how to address stigma and envision the future of them (short term project) – bring to DART</p>	<p>c. Ontario Health Northeast is linking housing to health</p> <p>e. Zack's Crib is a nighttime solution, but we need a daytime solution</p> <p>DTSSAB to share education on access to services, how DTSSAB branches out to workgroups and steering committee</p> <p>Education needed as indirect influence to avoid NIMBYs</p>
6	Next Meeting: January 31, 2024 from 11:00 am -12:00 pm	Decision	
7	Adjournment	Decision	12:00 pm

Subject: ZBA-2023-03: JK Development
GP2 Limited on behalf of Abdul
Khaliq and 2844371 Ontario Inc;
121 Davidson St and adjacent land
to the southeast

Report No.: CS-050-2023

Agenda Date: December 19, 2023

Attachments

- Appendix 01:** Planning Justification Report
Appendix 02: Application Package
Appendix 03: Public Notice and Comments Received
Appendix 04: Revised Site Plan (December 14, 2023)
Appendix 05: Draft By-law to amend Zoning By-law No. 2017-154 (**See Draft By-law No. 2023-137**)

Recommendations

It is recommended:

1. That Council for the City of Temiskaming Shores acknowledges receipt of Administrative Report CS-050-2023;
2. That Council agrees with the recommendation of the applicant's Planner to amend the provisions of the City of Temiskaming Shores Zoning By-law 2017-154 to permit the zone change from Community Facilities (CF) to High Density Residential Exception 20 (R4-20); and
3. That Council directs staff to prepare the necessary by-law to amend the City of Temiskaming Shores Zoning By-law 2017-154 for consideration at the December 19, 2023 Regular Council meeting.

Background

The property at 121 Davidson Street contains an existing single-storey building that previously housed the Paradis des Petits school, which operated under the Conseil Scolaire Catholique de District des Grandes Rivières. The school utilized the Dymond Crescent road allowance for school bus access, and the property directly adjacent to the road allowance as playground space, although this property was owned by the Diocese of Timmins.

In 2021 the current property owner purchased both the former school and the property on the east side of the Dymond Crescent road allowance from their respective owners. City staff have been consulting with the applicant since mid-2022 regarding the potential development of these properties, as well as the disposition of the intervening Dymond Crescent road allowance.

Council approved the sale of the portion of the Dymond Crescent road allowance from the northern edge of the playground property to the southern terminus of the road allowance, adjacent to the City's public works yard (200 Lakeshore Road). The sale was approved conditional on the approval of a zoning by-law amendment application, approval of a site plan agreement, and the registration of any easements required by the municipality and any applicable external agencies. A clause was also included in the agreement of purchase and sale allowing the ownership to revert to the City in the event that the approved development does not proceed within a determined timeframe.

The proposed development includes the portion of the Dymond Crescent road allowance from Broadwood Avenue south to the subject property. During initial discussions regarding the proposed development City staff indicated that the entire road allowance south of Broadwood Avenue should be requested as access from Broadwood Avenue would need to be considered. The applicant excluded this portion of the road allowance from the original purchase request, which means that another land disposition process will need to be undertaken for the remaining portion.

Notice of the application was advertised in the Temiskaming Speaker on November 15, 2023 in accordance with the requirements of the Planning Act. Notice was also mailed to property owners within 120m of the subject property in accordance with the City's common practice.

The Planning Act also sets out the list of external agencies and public bodies that must be circulated notice of Planning Act applications. These notices were sent out in accordance with the Planning Act requirements. Two responses were received and have been included in Appendix 03.

Municipal department heads have been included in preconsultation on this application since the concept was first presented. Formal circulation was completed upon receipt of the application, including all supporting information. The following comments were received:

Manager of Transportation Services –

1. *Winter snow storage – I'd like them to provide plan for winter snow storage. Or least thought about that when designing.*
2. *Proximity to 200 Lakeshore*
3. *City will maintain existing storm infrastructure. Developer may need to clean out during construction.*

4. *Few things to review during site plan control but nothing overly alarming for this ZBA.*
5. *Drainage of precast wall? Will likely come in the shop drawing review.*
6. *1 thing to note is the “access to be provided for abutting property” may contravene their ditch swale design? May need culvert or indication of depth? Section showing?*

Overall, very well done.

Note from the Planning Department: Detailed grading and drainage plans, as well as a stormwater management plan will be required as part of a complete site plan agreement application.

Director of Recreation – *The proposal is completely missing outdoor or indoor bicycle parking areas. To match with the goals in the City’s Official Plan the proposal should include easily accessible, safe and secure bicycle parking spaces.*

Pedestrians originating from building B have no designated pathways to access existing pedestrian infrastructure on Broadwood Avenue. A grade separated sidewalk along the new Dymond Cres access road would provide a safe space for pedestrians.

Note from the Planning Department: This request can be negotiated through the site plan control process.

Fire Chief – *No concerns from fire, it looks as though they have considered everything related to fire protection.*

Director of Corporate Services – No comments received.

Clerk – *From a clerk perspective no concerns (i.e. not within a drainage catchment area). I will note that the applicant appears to be using the civic address of 129 Davidson Street; however, our records indicate 121 Davidson Street – 129 has not been assigned. Also, as they are seeking residential zoning, electronic signage would not be permitted.*

Economic Development Officer – *I like this development and I believe that we do need the additional rental space within the community. I like the modern design and feel of the building, yet the colours would be too overpowering.*

I do think it might be valuable for the developer to consider an elevator in the larger building as we have a significantly older population base than the rest of Ontario, therefore many of the potential renters will need access to an elevator to reside in the facility.

It may be possible for the building owner to offer additional visitor parking spaces along the side of Dymond Crescent as there appears to be additional space available there.

No comments were received from the City Manager, Manager of Environmental Services (although he has been heavily involved in pre-submission consultation), Chief Building Official, or Treasurer.

The statutory public meeting was held on December 5, 2023. Three members of the public made oral submissions at the public meeting and 5 written submissions have been received as of December 14, 2023. Copies of the written submissions are included in Appendix 03, as well as a summary sheet provided by the applicant's Planner.

The public comments received generally include concerns related to the scale of the proposed multi-unit building and number of apartments, traffic volume, privacy and lighting, access to the site, property values, and the loss of backyard space that has historically included unused portions of the Dymond Crescent road allowance.

Analysis

The complete application package included the following information: a Planning Justification Report prepared by the applicant's planning consultant, Candice Micucci of Antech Design & Engineering Group; a drawing set including existing site conditions, site plan, erosion and siltation plan, grading plan, grading details, site servicing plan, site servicing details, stormwater management plan, and catchment area plan; a survey; preliminary building elevations; a stormwater management report; a functional servicing report; a preliminary geotechnical report; and a traffic study.

It is noted through ongoing consultation with the Planner for the applicant, that the site plan is set to change, specifically the larger building on the property directly adjacent to Northdale Manor is to be increased to 4 storeys while the footprint of the building will shrink. The parking spaces on the west side of the property will be setback further from the property line, and there will be no retaining wall along the east side of the property. It is expected that the requirements of the R4 zone will not be exceeded, including the maximum height and minimum setback provisions of the zoning by-law. The revised site plan is attached as Appendix 04, however note that the design and layout of the site is not a consideration of the zoning amendment and will be addressed through site plan control. The applicant has also noted that an additional community meeting will be held after the first site plan submission to present the revised design to the neighbourhood. This meeting will be scheduled as the site plan process progresses and the applicant will provide notices to those within the circulation distance and will advertise in the Temiskaming Speaker.

It should be noted that many of the concerns raised by public commenters, including traffic, privacy, and infrastructure, have been addressed through additional information

that was submitted with the complete application package. The functional servicing report indicates that the project can be accommodated with the existing infrastructure, the traffic study indicates that the increased traffic will not have a negative impact on traffic operations in the area, and the applicant is proposing the installation of an acoustic fence to mitigate noise and light issues to adjacent property owners. Additionally, given the overall area of the property, the R4 zoning would allow a total of 77 units and the applicant is proposing 59.

The adjacent property owners at 131 Davidson Street and 139 Davidson Street will be losing a portion of the area they have been using as part of their backyards. A portion of the area being utilized is within the Dymond Crescent road allowance and is required for the proposed development. There is a garage associated with 139 Davidson Street that is encroaching onto the road allowance and the developer is proposing to remove a small area of the road allowance to be transferred to the property owner to accommodate the garage.

The Planning Justification Report prepared by Candic Micucci is attached as Appendix 01 and provides information regarding the application within the policy framework.

Appeal Information

Decisions on any zoning by-law amendment application can be appealed to the Ontario Land Tribunal. Section 34(19) of the Planning Act states that appeals can be filed by:

1. *The applicant.*
2. *A person or public body who, before the by-law was passed, made oral submissions at a public meeting or written submissions to the council.*
3. *The Minister [of Municipal Affairs and Housing]*

In short, if Council denies the request the applicant can appeal the refusal, and if Council approves the request any member of the public who made an oral or written submission can appeal the decision. To file an appeal, the appellant must complete the form required by the Ontario Land Tribunal and submit it to the Clerk of the municipality along with the fee required by the Tribunal (\$400 for a private citizen \$1,100 for a corporation).

Upon the filing of an appeal, the application package is completed and submitted to the Tribunal in accordance with legislated submission requirements (provided in Ontario Regulation 545/06, made under the Planning Act). The Tribunal will then work to move the appeal through the most appropriate process, which could include dismissal, mediation, or a full hearing. Both sides will need to engage the services of qualified professionals, which will include a lawyer and a land use planner at minimum.

Section 34(19.1) of the Planning Act sets out the grounds on which the Tribunal can dismiss an appeal without a hearing:

(25) Despite the Statutory Powers Procedure Act and subsection (24), the Tribunal may, on its own initiative or on the motion of any party, discuss all or part of an appeal without holding a hearing if any of the following apply:

- 1. The Tribunal is of the opinion that,*

 - i. the reasons set out in the notice of appeal do not disclose any apparent land use planning ground upon which the Tribunal could allow all or part of the appeal,*
 - ii. the appeal is not made in good faith or is frivolous or vexatious,*
 - iii. the appeal is made only for the purpose of delay, or*
 - iv. the appellant has persistently and without reasonable grounds commenced before the Tribunal proceedings that constitute an abuse of process.*

- 2. The appellant has not provided written reasons for the appeal.*
- 3. The appellant intends to argue a matter mentioned in subsection (19.0.1) [that the by-law is inconsistent with Provincial or local policies] but has not provided the explanations required by that subsection.*
- 4. The appellant has not paid the fee charged by the Tribunal.*
- 5. The appellant has not responded to a request by the Tribunal for further information within the time specified by the Tribunal.*

Both the appellant and the defendant would need to engage the services of qualified professionals to represent them in front of the Tribunal, which will include legal counsel at a minimum. A land use planner is often engaged as well, and other professionals could also be retained.

Council should note that the last appeal in City was in 2011 for the proposed conversion of a former church in Haileybury into an 11 unit residential building. Following the public consultation process, Council denied the request and the applicant appealed the refusal to the then Ontario Municipal Board (now the Ontario Land Tribunal). A hearing was held in 2012 and the Board Member upheld the appeal, approving the requested rezoning.

Relevant Policy / Legislation / City By-Law

- 2020 Provincial Policy Statement
- Growth Plan for Northern Ontario
- City of Temiskaming Shores Official Plan
- City of Temiskaming Shores Zoning By-law 2017-154

Consultation / Communication

- Consultation with applicant and development team
- Consultation with applicable City staff
- Public consultation per the requirements of the Planning Act

Financial / Staffing Implications

This item has been approved in the current budget: Yes ☐ No ☐ N/A ☒

This item is within the approved budget amount: Yes ☐ No ☐ N/A ☒

Staffing implications related to this matter are limited to normal administrative functions and duties.

Climate Considerations

Based on the use of the Clean Air Partnership Climate Lens, it is noted that the construction and operation of new buildings generally results in an increase in greenhouse gases. It should be noted and considered, however, that providing higher-density residential development within existing built-up areas, in close proximity to transit, and in easy walking distance to community amenities is generally less impactful than allowing further and continued suburban-style development on greenfield sites. Additionally, the utilization of existing infrastructure, including both underground and above-ground services, is less invasive than installing new services.

Alternatives

No alternatives were considered.

Submission

Prepared by:

Reviewed by:

Reviewed and submitted for
Council's consideration by:

"Original signed by"

Jennifer Pye, MCIP,
RPP
Planner

"Original signed by"

Shelly Zubyc
Director of Corporate
Services

"Original signed by"

Amy Vickery
City Manager

ANTECH

Design & Engineering Group

PLANNING JUSTIFICATION REPORT

PROJECT NAME:

Multi Residential Development
New Liskeard, Ontario

PROJECT ADDRESS:

129 Davidson Street
New Liskeard, Ontario

PROJECT NO.

232602

DATE SUBMITTED

October 31, 2023

Project Summary

Signatures and Seals

Project No.

232602

Client

JK Developments

Client Contact

John Knifton

Consultant Team

Andrew Butler, P.Eng.

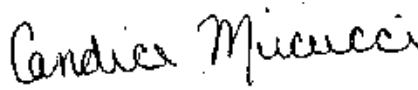
Candice Micucci MCIP, RPP, OALA

Property Address

129 Davidson Street

New Liskeard, Ontario

Version	Date	Description
1.0	2023.10.18	Initial Release



Signature



Signature

Disclaimer

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1.0 INTRODUCTION

Antech Design & Engineering Group has been retained by JK Developments to prepare a Planning Justification Report for the development of the property legally described as All of Lots 215-222, 228-231, 235-236, Part of Lots 223 & Part of Lane, Registered Plan M-29 N.B., Geographic Township of Dymond, District of Temiskaming. The subject lands have road access on Davidson Street and Broadwood Avenue.

This proposal contemplates the removal of the existing school and the development of:

- Phase 1 – Proposed 2 storey, 6-unit, Residential building fronting on Davidson Street
- Phase 2 – Proposed 3 storey, 53-unit, Residential Building with Road access on Davidson Street and Broadwood Avenue

To facilitate the proposed new construction a Zoning By-law Amendment from Community Facility (CF) to Residential Four Special (R4-SP-X) is required. The requested special component is to:

- As per Section 6.4 Lot Requirements Table 6.3 Residential Zone Requirements, a reduction to the required minimum percent landscaped area from 35% to 30%.

The proposed development represents an investment in the continued enhancement and development of lands within this area. The proposed development is an infill development and will promote the use of existing transportation networks, local transit, and existing municipal infrastructure.

The purpose of this Justification Report is to outline the technical details of the proposed development and to evaluate the proposed Zoning By-law Amendment and subsequent Site Plan Control Plan Applications regarding the application's consistency with the Provincial Policy Statement and conformity with the City of Temiskaming Shores Official Plan and Bay Zoning Bylaw.

1.1 POLICY FRAMEWORK

The Subject Lands are currently designated as "Residential Neighbourhood" within the City of Temiskaming Shores Official Plan and "Community Facility (CF)" within Zoning Bylaw 2017-154. Accordingly, the justification report addresses the:

- Ontario Planning Act
- Provincial Policy Statement
- Growth Plan for Northern Ontario
- Official Plan
- Zoning Bylaw

In response to the vision for the subject lands to accommodate multi residential developments, Antech Design and Engineering have on behalf of the Owner, prepared this Planning Justification Report to

3.0 LOCATION AND EXISTING CONDITIONS

The site is currently developed with a school and accompanying exterior landscape features. The lands are located with street access from Davidson Street and Broadwood Avenue. Surrounding the property are primarily developments that are residential in nature. Below in Figure 2, is a Google Earth location map of the property.



To the north of the property are single family residential houses and Broadwood Avenue.

To the south of the property, between Property A and Property B are single family residential homes. Further south, abutting Property B are the City yards.

To the east of the subject property is Northdale Manor.

To the west of the subject property are single family residential homes.

FIGURE 2 Site Location Map

4.0 DESIGN VISION, GUIDING PRINCIPALS AND OBJECTIVES

The goal of the proposed development is to establish a residential extension project on the subject lands which allows for an efficient use of the lands. The proposed development supports the City of Temiskaming Shores' vision for residential growth and intensification within the Urban Service Boundary.

Consideration of the following principles has been given to the design of the proposed development:

1. Outstanding Design Quality

Develop a high-quality architectural theme and material selection that provides a revitalized corner development that is distinguishable.

2. Distinct Identity

Establish a distinct identity and sense of place for the development, while appropriately integrating the design of the building into the existing neighbourhood.

3. Pedestrian Connectivity

Provides a design the encourages pedestrian movement through the reduction of barriers.

4. Community Safety

Use design practices that contribute to neighbourhood safety.

5. Attractive Streetscape

Provide an attractive streetscape that demonstrates continuity of design elements and provide an appealing initial aesthetic for the development.

6. Efficiency

Use design practices that efficiently utilize existing municipal infrastructure and support the use of public transportation.

5.0 POLICY AND REGULATORY FRAMEWORK

5.1 PLANNING ACT

The Planning Act R.S.O. 1990 provides a framework for planning in the Province of Ontario. The Act serves the following purposes:

1. To promote sustainable economic development in a healthy natural environment
2. To provide a land use planning system led by provincial policy
3. To integrate matters of provincial interest in provincial and municipal planning decisions
4. To provide for planning processes that are fair by making them open, accessible, timely and efficient
5. To encourage co-operation and co-ordination among various interests; and,
6. To recognize the decision-making authority and accountability of municipal councils in planning.

Under Section 34 (10) of the Act, an amendment may be made to a Zoning-Bylaw.

The proposed application is seeking an amendment to the Zoning By-law.

5.2 PROVINCIAL POLICY STATEMENT

The Provincial Policy Statement (PPS) issued under Section 3 of the Planning Act establishes key Provincial interests with regard to land use planning. The PPS requires that decisions affecting planning matters “shall be consistent with” policy statements issued under said Act. Part III, How to Read the Provincial Policy Statement, of the document states, “the Provincial Policy Statement is to be read in its entirety, and all relevant policies are to be applied to each situation. When more than one policy is relevant, a decision-maker should consider all of the relevant policies to understand how they work together”

The general purpose of the PPS is to provide policy direction on matters of provincial interest related to land use planning and development in Ontario. The Provincial Policy Statement sets the policy foundation for regulating the development and use of land and it supports the provincial goal to enhance the quality of life for all Ontarians. As the focus of the PPS is on the outcomes or end-states, the process used to achieve these outcomes is at the discretion of the development team. The following is a brief commentary on the application for proposed Site Plan with regard to the PPS.

<u>Applicable Policy Statements</u>	<u>Rational</u>
<u>Section 1.1.1</u> Healthy, liveable and safe communities are sustained by: a) promoting efficient development and land use patterns which sustain the financial well-being of the Province and municipalities over the long term; b) accommodating an appropriate affordable and market-based range and mix of residential types (including single-detached, additional residential units, multi-unit housing, affordable housing and housing for older persons), employment (including industrial and commercial), institutional (including places of worship, cemeteries and long-term care homes), recreation, park and open space, and other uses to meet long-term needs; c) avoiding development and land use patterns which may cause environmental or public health and safety concerns; d) avoiding development and land use patterns that would prevent the efficient expansion of settlement areas in those areas which are adjacent or close to settlement areas; e) promoting the integration of land use planning, growth management, transit-	<p>The subject lands are located within the urban settlement boundary. The development of the subject lands is an efficient development and land use pattern which will sustain the financial well-being of the municipality for the long term.</p> <p>The development is proposed to contain residential uses. The construction of the proposed development, with municipal services, will continue the supply of lands ready for development within the City of Temiskaming Shores.</p>

<p>supportive development, intensification and infrastructure planning to achieve cost-effective development patterns, optimization of transit investments, and standards to minimize land consumption and servicing costs;</p> <p>f) improving accessibility for persons with disabilities and older persons by addressing land use barriers which restrict their full participation in society;</p> <p>g) ensuring that necessary infrastructure and public service facilities are or will be available to meet current and projected needs;</p> <p>h) promoting development and land use patterns that conserve biodiversity; and</p> <p>i) preparing for the regional and local impacts of a changing climate</p>	
<p><u>Section 1.1.2</u> Sufficient land shall be made available to accommodate an appropriate range and mix of land uses to meet projected needs for a time horizon of up to 25 years, informed by provincial guidelines. However, where an alternate time period has been established for specific areas of the Province as a result of a provincial planning exercise or a provincial plan, that time frame may be used for municipalities within the area.</p> <p>Within settlement areas, sufficient land shall be made available through intensification and redevelopment and, if necessary, designated growth areas.</p> <p>Nothing in policy 1.1.2 limits the planning for infrastructure, public service facilities and employment areas beyond a 25-year time horizon.</p>	<p>The lands are currently designated as Residential within the Official Plan and Community Facility within the Zoning By-law with the proposed Zoning being High Density Residential Four. The lands are located within the Urban Service Boundary.</p> <p>The development of these lands will increase the supply of lands with infrastructure for residential use.</p>
<p><u>Section 1.1.3.1</u> Settlement areas shall be the focus of growth and development.</p>	<p>The subject property is located within the Urban Service Boundary and is located within an area of existing residential developments.</p>
<p><u>Section 1.1.3.2</u> Land use patterns within settlement areas shall be based on densities and a mix of land uses which:</p>	<p>The subject property is an efficient use of resources as the proposed development is located within an area of existing residential and multi-</p>

<ul style="list-style-type: none"> a) efficiently use land and resources; b) are appropriate for, and efficiently use, the infrastructure and public service facilities which are planned or available, and avoid the need for their unjustified and/or uneconomical expansion; c) minimize negative impacts to air quality and climate change, and promote energy efficiency; d) prepare for the impacts of a changing climate; e) support active transportation; e) are transit-supportive, where transit is planned, exists or may be developed; and f) are freight-supportive. <p>Land use patterns within settlement areas shall also be based on a range of uses and opportunities for intensification and redevelopment in accordance with the criteria in policy 1.1.3.3, where this can be accommodated.</p>	<p>residential (Northdale Manor) developments. The proposed development is appropriate for the existing infrastructure and public service facilities.</p> <p>The proposed development is an efficient use of the land, and the appropriate infrastructure is available.</p>
<p>1.4.1 To provide for an appropriate range and mix of housing options and densities required to meet projected requirements of current and future residents of the regional market area, planning authorities shall:</p> <ul style="list-style-type: none"> a) maintain at all times the ability to accommodate residential growth for a minimum of 15 years through residential intensification and redevelopment and, if necessary, lands which are designated and available for residential development; and b) maintain at all times where new development is to occur, land with servicing capacity sufficient to provide at least a three-year supply of residential units available through lands suitably zoned to facilitate residential intensification and redevelopment, and land in draft approved and registered plans. <p>Upper-tier and single-tier municipalities may choose to maintain land with servicing capacity sufficient to provide at least a five-year supply of residential units available through lands suitably</p>	<p>The proposed residential development will assist the municipality in ensuring the ability to accommodated residential growth.</p>

zoned to facilitate residential intensification and redevelopment, and land in draft approved and registered plans.	
<p><u>Section 1.6.1</u></p> <p>Infrastructure and public service facilities shall be provided in an efficient manner that prepares for the impacts of a changing climate while accommodating projected needs. Planning for infrastructure and public service facilities shall be coordinated and integrated with land use planning and growth management so that they are:</p> <ul style="list-style-type: none"> a) financially viable over their life cycle, which may be demonstrated through asset management planning; and a) available to meet current and projected needs. 	The proposed development is located within an existing developed area and uses existing infrastructure.
<p>1.6.6.1 Planning for sewage and water services shall:</p> <ul style="list-style-type: none"> a) accommodate forecasted growth in a manner that promotes the efficient use and optimization of existing: <ul style="list-style-type: none"> 1. municipal sewage services and municipal water services; and 2. private communal sewage services and private communal water services, where municipal sewage services and municipal water services are not available or feasible; b) ensure that these systems are provided in a manner that: <ul style="list-style-type: none"> 1. can be sustained by the water resources upon which such services rely; 2. prepares for the impacts of a changing climate; 3. is feasible and financially viable over their lifecycle; and 4. protects human health and safety, and the natural environment; c) promote water conservation and water use efficiency; 	The subsequent Site Plan Control Application will require full engineering to municipal standards for the Sewage, Water and Stormwater services. From our experience and the preliminary drawings included with the Zoning By-law Amendment Application there are no foreseen issue in completing the design of these services.

<p>d) integrate servicing and land use considerations at all stages of the planning process; and</p> <p>e) be in accordance with the servicing hierarchy outlined through policies 1.6.6.2, 1.6.6.3, 1.6.6.4 and 1.6.6.5. For clarity, where municipal sewage services and municipal water services are not available, planned or feasible, planning authorities have the ability to consider the use of the servicing options set out through policies 1.6.6.3, 1.6.6.4, and 1.6.6.5 provided that the specified conditions are met.</p>	
<p><u>Section 1.6.6.2</u></p> <p>b) Municipal sewage services and municipal water services are the preferred form of servicing for settlement areas to support protection of the environment and minimize potential risks to human health and safety. Within settlement areas with existing municipal sewage services and municipal water services, intensification and redevelopment shall be promoted wherever feasible to optimize the use of the services.</p>	<p>The proposed development will be development using municipal sewage and water.</p>
<p><u>Section 1.6.6.7</u></p> <p>Planning for stormwater management shall:</p> <ul style="list-style-type: none"> a) be integrated with planning for sewage and water services and ensure that systems are optimized, feasible and financially viable over the long term; b) minimize, or, where possible, prevent increases in contaminant loads; c) minimize erosion and changes in water balance, and prepare for the impacts of a changing climate through the effective management of stormwater, including the use of green infrastructure; d) mitigate risks to human health, safety, property and the environment; e) maximize the extent and function of vegetative and pervious surfaces; and 	<p>The development within this proposal will be required to meet the Municipal Stormwater standards.</p> <p>The servicing of the proposed site will be required to accommodate a stormwater system that considers the entire development of the lands. As part of the Zoning By-law Amendment general engineering plans have been completed and there are no foreseen issues with stormwater management.</p>

<p>promote stormwater management best practices, including stormwater attenuation and re-use, water conservation and efficiency, and low impact development.</p>	
<p><u>Section 1.6.7.1</u></p> <p>f) Transportation systems should be provided which are safe, energy efficient, facilitate the movement of people and goods, and are appropriate to address projected needs.</p>	<p>The proposed development is located off of existing municipal roads.</p> <p>Included with the submission for Zoning By-law Amendment is a Traffic Study further analyzing the proposed development.</p>
<p><u>Section 1.7.1</u></p> <p>Long-term economic prosperity should be supported by:</p> <p>a) promoting opportunities for economic development and community investment-readiness;</p> <p>b) encouraging residential uses to respond to dynamic market-based needs and provide necessary housing supply and range of housing options for a diverse workforce;</p> <p>c) optimizing the long-term availability and use of land, resources, infrastructure and public service facilities;</p> <p>d) maintaining and, where possible, enhancing the vitality and viability of downtowns and mainstreets;</p> <p>e) encouraging a sense of place, by promoting well-designed built form and cultural planning, and by conserving features that help define character, including built heritage resources and cultural heritage landscapes;</p> <p>f) promoting the redevelopment of brownfield sites;</p> <p>g) providing for an efficient, cost-effective, reliable multimodal transportation system that is integrated with adjacent systems and those of other jurisdictions, and is appropriate to address projected needs to support the movement of goods and people;</p> <p>h) providing opportunities for sustainable tourism development;</p>	<p>The proposed development promotes the long-term economic prosperity of the City of Temiskaming Shores by creating residential growth of the City, optimizing the use of existing infrastructure and designing a development compatible within the existing neighbourhood.</p>

<ul style="list-style-type: none"> i) sustaining and enhancing the viability of the agricultural system through protecting agricultural resources, minimizing land use conflicts, providing opportunities to support local food, and maintaining and improving the agrifood network; j) promoting energy conservation and providing opportunities for increased energy supply; k) minimizing negative impacts from a changing climate and considering the ecological benefits provided by nature; and <p>encouraging efficient and coordinated communications and telecommunications infrastructure.</p>	
<p><u>Section 2.1.1</u></p> <ul style="list-style-type: none"> l) Natural features and areas shall be protected for the long term. 	<p>The subject lands are located within a developed area. Part of the proposed development will be the grading, retaining wall and the removal of trees and shrubs. New trees and shrubs are proposed to assist in replacing the ones being removed. The Landscape Plan, to be submitted as part of the Site Plan Control Agreement shall contain trees and shrubs.</p>
<p><u>Section 2.2.1</u></p> <p>Planning authorities shall protect, improve or restore the quality and quantity of water by:</p> <ul style="list-style-type: none"> a) using the watershed as the ecologically meaningful scale for integrated and long-term planning, which can be a foundation for considering cumulative impacts of development; b) minimizing potential negative impacts, including cross-jurisdictional and cross-watershed impacts; c) evaluating and preparing for the impacts of a changing climate to water resource systems at the watershed level; d) identifying water resource systems consisting of ground water features, hydrologic functions, natural heritage features and areas, and surface water features including shoreline areas, which are necessary for the ecological and hydrological integrity of the watershed; 	<p>The proposed development will meet the required standards for water quality and quantity.</p>

<p>e) maintaining linkages and related functions among ground water features, hydrologic functions, natural heritage features and areas, and surface water features including shoreline areas;</p> <p>f) implementing necessary restrictions on development and site alteration to: 1. protect all municipal drinking water supplies and designated vulnerable areas; and 2. protect, improve or restore vulnerable surface and ground water, sensitive surface water features and sensitive ground water features, and their hydrologic functions;</p> <p>g) planning for efficient and sustainable use of water resources, through practices for water conservation and sustaining water quality;</p> <p>h) ensuring consideration of environmental lake capacity, where applicable; and ensuring stormwater management practices minimize stormwater volumes and contaminant loads, and maintain or increase the extent of vegetative and pervious surfaces.</p>	
<p><u>Section 2.4.1</u></p> <p>i) Minerals and petroleum resources shall be protected for long-term use</p>	<p>There are no perceived mineral and petroleum resources on these lands.</p>
<p><u>Section 2.5.1</u></p> <p>Mineral aggregate resources shall be protected for long-term use and, where provincial information is available, deposits of mineral aggregate resources shall be identified.</p>	<p>There are no perceived mineral aggregate resources on these lands.</p>
<p><u>Section 2.6.1</u></p> <p>Significant built heritage resources and significant cultural heritage landscapes shall be conserved</p>	<p>There are no built heritage resources on these lands.</p>
<p><u>Section 3.1.1</u></p> <p>Development shall generally be directed, in accordance with guidance developed by the Province (as amended from time to time), to areas outside of:</p> <p>a) hazardous lands adjacent to the shorelines of the Great Lakes - St. Lawrence River System and large inland lakes which are impacted by flooding hazards, erosion hazards and/or dynamic beach hazards;</p>	<p>There are no perceived natural hazards in the development of these lands.</p>

b) hazardous lands adjacent to river, stream and small inland lake systems which are impacted by flooding hazards and/or erosion hazards; and hazardous sites.	
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In conclusion, the proposed applications and subsequent developments meet the intent of the policies of the Ontario Provincial Policy Statement 2020.

5.2 GROWTH PLAN FOR NORTHERN ONTARIO

The Growth Plan for Northern Ontario (GPNO 2011) was introduced on March 3, 2011. All planning applications must consider this plan as part of the evaluation process.

The GPNO is broad in scope and is aimed at shaping development in Northern Ontario over the next 25 years. It outlines strategies that deal with economic development, education, planning, transportation / infrastructure, environment, and Aboriginal peoples. This plan is primarily an economic tool that encourages growth in Northern Ontario. Specific planning related policies, including regional economic planning, the identification of strategic core areas, and targets for intensification have not yet been defined by the Province.

Section 4 of the GPNO (Communities) deals with land use planning matters. This section speaks to creating a vision for a community's future. The City of Temiskaming Shores achieves this through the implementation of the Official Plan. As discussed in greater detail later in this report, it is my professional opinion the proposed development conforms to the City of Temiskaming Shores Official Plan.

It is my professional opinion that the proposed Zoning By-law Amendment conforms with the policies and direction provided by the Growth Plan for Northern Ontario.

5.3 OFFICIAL PLAN

The subject property is designated Residential (yellow on the map below) within the City of Temiskaming Shores Official Plan, as per Figure 3 below. The existing Official Plan designation permits the proposed development, and no amendment is required.

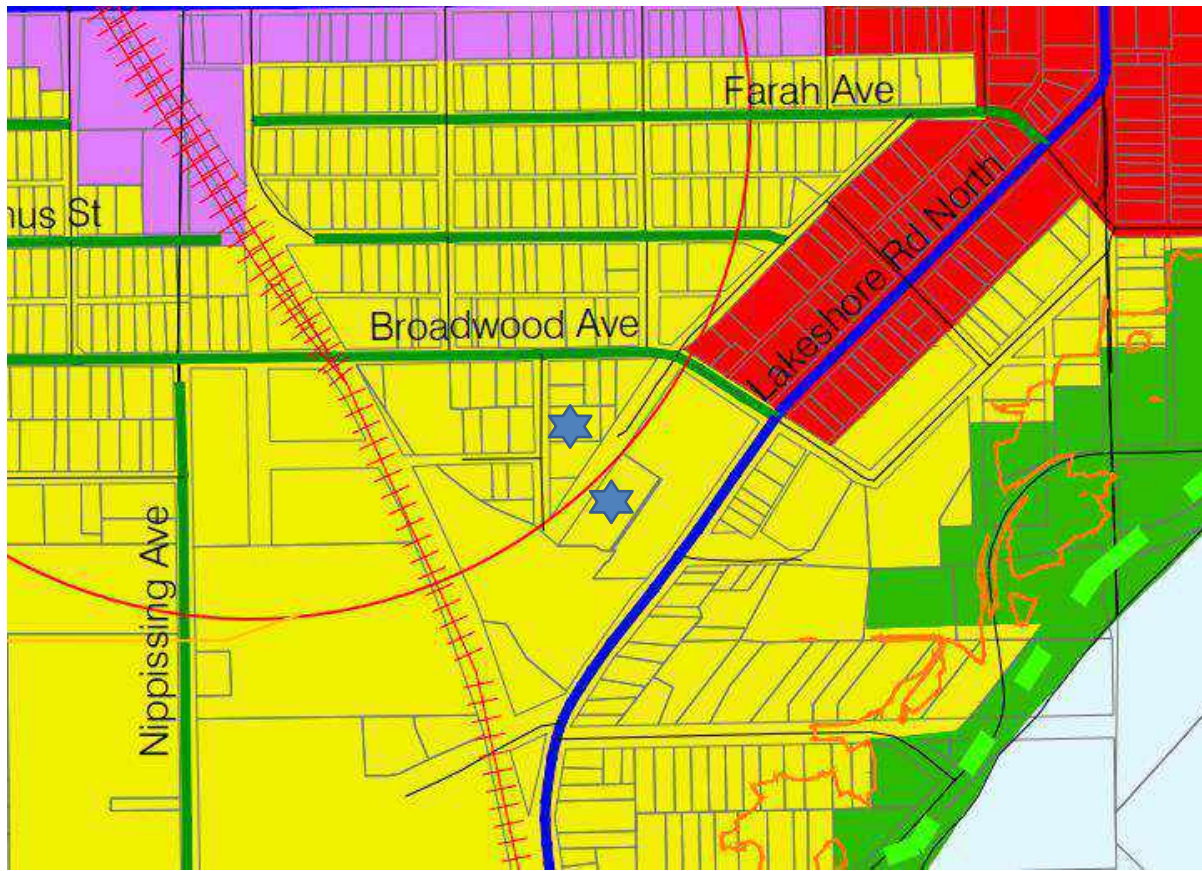


FIGURE 3 Official Plan Schedule

Section 1 of the Official Plan contains the following Figure as reference to the objectives of the policies of the Official Plan



FIGURE 4 Official Plan Objectives

As illustrated in Figure 4 above optimizing Municipal Infrastructure, Economic Development, Quality Urban Design, Compatible Land use and Fostering a Healthy Community are directions of the policies of the Official Plan. The proposed multi residential developments build on these policies.

Section 3 of the Official Plan contain policies regarding Housing Growth and Management. The overall guiding policy of the City of Temiskaming is that housing types, densities, location, and accessibility are all factors. The general goal of the city is to provide for an appropriate range of housing types and densities which will meet the projected housing needs of the community.



Figure 5 Official Plan Housing Targets

As seen above from Section 3.5 of the Official Plan there is a targeted need for medium and high-density housing.

Section 3.7, Residential Intensification, included measures the City will use to help reach the housing targets. These measures include using:

- Facilitating the development of vacant and/or underutilized lots and blocks within the developed settlement areas of New Liskeard and Haileybury.
- Conversion of or expansion of existing industrial, commercial and institutional buildings outside of employment areas.

The proposed development is using Community Facility lands, a closed school, and redeveloping them including a City right of way.

Section 3.7-point number 8

Residential intensification shall consider the principles for urban design (see Section 4.9). Proposals for intensification should not cause unacceptable impacts on existing development. Consideration will be given to consistency in building height, building scale, housing densities, building set-backs, integration with the existing streetscape, traffic impacts, privacy in the use of adjacent properties, buffering, adequacy of infrastructure, offstreet parking supply, availability of community facilities and preservation of heritage attributes.

The proposed development is an intensification project that has considered general urban design principals such as:

- Designing to a Zoning Designation that is consistent to the surrounding areas.
- Creating a smaller multi residential unit on the Davidson Street frontage to add to the existing street scape and maintain balance with the abutting Residential Third Density dwellings
- Designing parking locations to be away from the street allowing for street side landscaping
- Providing sufficient off-street parking

- Proposing buildings with architectural design features that will compliment the existing developments

Section 3.8 of the Official Plan addressed policies with regard to Special Needs Housing.

The City will engage the District of Timiskaming Social Services Administration Board (DTSSAB), post-secondary educational institutions, social service agencies, service clubs and other agencies in planning for and delivering housing for:

1. *Students;*
2. *Low to moderate income households;*
3. *Seniors;*
4. *Persons living with disabilities;*
5. *Aboriginals;*
6. *Crisis Shelter accommodation (e.g. safe house, hostel, emergency shelter);*
7. *Residents requiring group homes and garden suites.*

The proposed developments are designed in a way that accommodates low to moderate income households, Seniors and persons living with disabilities through the proposed use of the lots. Higher density development can accommodate low to moderate income households through suitable rents not requiring mortgages. Higher density development such as an apartment gives seniors a place to live that is located within their existing community while not requiring maintenance on their part. Both proposed buildings will be designed to include some accessible housing units.

Section 3.11 of the Official Plan is Settlement Areas. This section indicates that New Liskeard and Haileybury will be the focus of residential growth. The proposed development is located within the New Liskeard Settlement area.

Section 4 of the Official Plan is Community Development. The general goal is to “*design and develop safe, sustainable Settlement Areas which integrate the employment, housing and social needs of residents and businesses in a highly livable and functional urban environment.*” The proposed development is in meeting with the general goal by providing a housing option, other than single family, to help meet the needs of the community.

Continuing through Section 4 of the Official Plan are urban design guidelines focusing on the below principles



Figure 6 Official Plan Urban Design Principles

The proposed development has considered the above principles in the design. Through the site plan development phase the Urban Design Guidelines will continue to be assessed.

In conclusion it is my profession opinion that the proposed development meets the intent of the policies of the City of Temiskaming Official Plan.

5.4 ZONING BY-LAW

The subject property is currently designated Community Facility (CF). The proposed Zoning is Residential Second Density. Below, Figure 3 is an excerpt from the City of Temiskaming Shores Zoning By-law Schedule illustrating the existing Zoning of the subject property as well as the surrounding zoning designations.

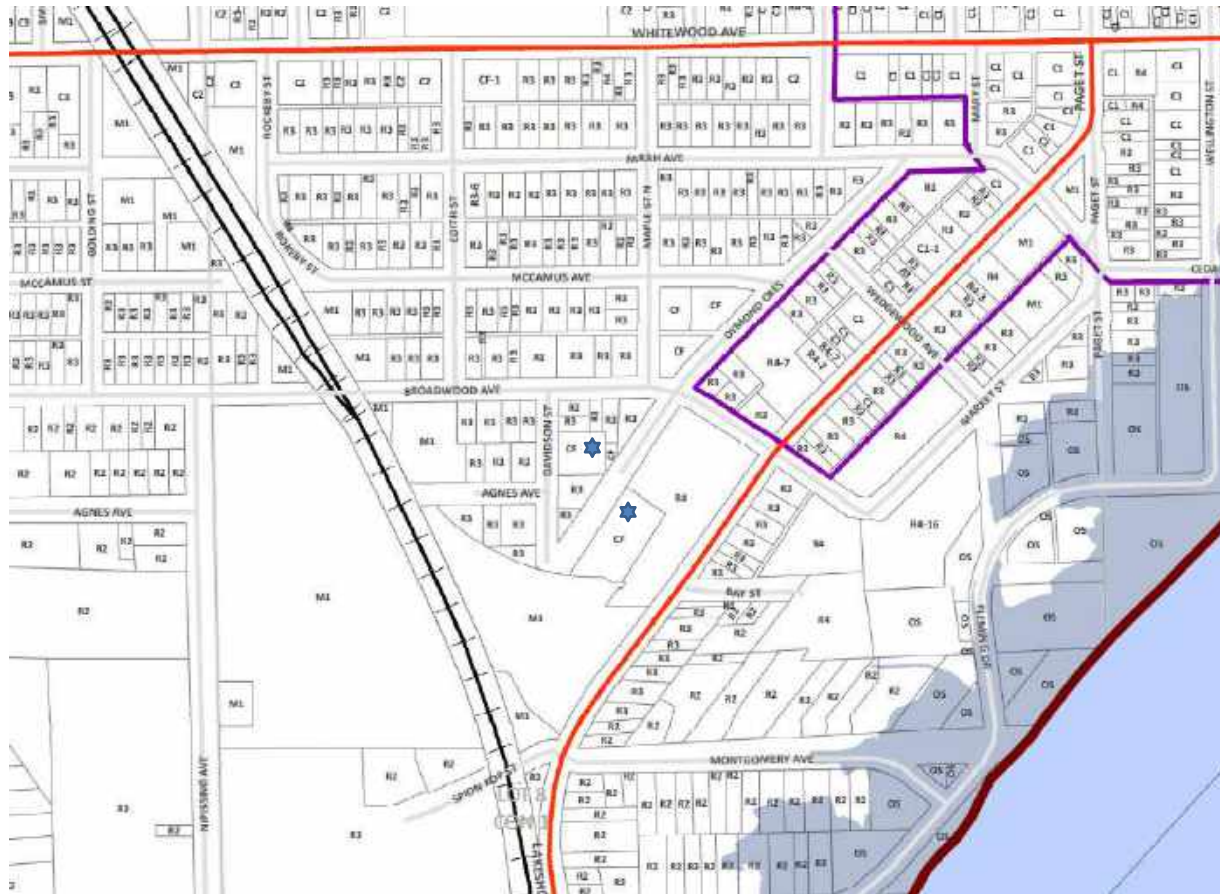


FIGURE 7 City of Temiskaming Shores Zoning By-law 2017-154- New Liskeard

As illustrated in Figure 7 there is a mix of Zoning designations surrounding the subject lands. These designations range from Industrial (Public Works Yards and Industry) to Residential Four (R4) being the Manor as well as Residential Third (R3) and Residential Second (R2) density designations representing predominately single-family dwellings.

The permitted uses for the relevant zones are indicated in the chart below.

Uses	R3	R4	CF
Dwelling, Single Detached	X		
Dwelling, Semi-detached	X		
Dwelling, Duplex	X		
Dwelling Multiple, up to 4 units	X		
Dwelling Multiple, 5 or more units		X	
Dwelling, Street Townhouse	X	X	
Boarding House	X		
Cemetery	X	X	
Group Home	X	X	
Home for Special Care	X	X	
Retirement Home		X	
Second Dwelling Unit	X		
Bed and Breakfast Establishment	X	X	
Home Occupation	X	X	
Home Industry	X	X	
Private Home Childcare	X	X	
Cemetery			X
Child Care Centre			X
Educational Establishment			X
Health Services Establishment			X
Home for Special Care			X
Hospital			X
Long Term Care Home			X
Place of Assembly			X
Place of Recreation			X
Place of Worship			X
Retirement Home			X

The permitted setbacks and lot requirements for the relevant zones are included in the chart below.

	R3	R4	CF	Proposed A	Proposed B
Minimum Lot Area (Full Services)	450 m ²	1100 m ²	1000 m ²	1937.7 m ²	7332.2 m ²
Minimum Lot Frontage (Full Services)	15.0 m Single Detached	30.0 m	20.0 m	40.2 m	30.7 m
Total Building Area	NA	NA	NA	218.45 m ²	1639 m ²
Maximum Lot Coverage (Full Services)	40%	40%	40%	11.2%	31%
Minimum Front Yard (Full Services)	6.0 m	6.0 m	6.0 m	9.2 m	17.4 m
Minimum Interior Side Yard	1.2 on one side and 3 on the other	6.0 m	6.0 m	6.0 m	14.9 m
Minimum Exterior Side Yard	5.0 m	7.5 m	6.0 m	14.2 m	15.1 m
Minimum Rear Yard	6.0 m	7.5 m	6.0 m	22.4 m	14.8 m
Minimum Setback from a watercourse	15.0 m	15.0m	15.0 m	NA	NA
Maximum Building Height	11.0 m	12.0 m	12.0 m	12.0m Max.	12.0m Max
Maximum Number of Dwellings (excluding second dwelling)	1 for each 150 m ² of lot area to a max. of 4 units	1 for each 120 m ² of lot area to a max. of 4 units	1	1937.7 / 6 = 322.9 m ² per unit	7332.2 / 53 = 138.3 m ² per unit
Minimum Landscaped Open Space	30%	35%	20%	54.7%	33%
Required Number of Parking Spaces	1 Per Unit	1 Per Unit	NA	1 Per Unit 6 required 14 proposed	1 Per Unit 53 required 62 proposed
Parking Stall Dimensions (5.2.4)	3.0 m X 6.0m	3.0 m X 6.0m	3.0 m X 6.0m	3.0 m X 6.0m	3.0 m X 6.0m
Width of Aisles (5.2.5)	6.0 m	6.0 m	6.0 m	6.0 m	6.0 m
Yard Requirements for Parking (5.2.9)	1.5 m of a Street Line	1.5 m of a Street Line	1.5 m of a Street Line	1.5 m of a Street Line	1.5 m of a Street Line
Width of Access Ramps & Driveways (5.2.6)	6.0 m	6.0 m	6.0 m	6.0 m	6.0 m
Accessible Parking Stall Dimensions	3.4 m X 6.0 m	3.4 m X 6.0 m	3.4 m X 6.0 m	3.4 m X 6.0m	3.4 m X 6.0m
Accessible Parking Stall Aisle Dimensions	1.5 m X 6.0 m	1.5m X 6. 0 m	1.5m X 6. 0 m	1.5 m X 6.0m	1.5 m X 6.0m
Required Number of Accessible Spaces	NA	NA	NA	2 required 2 proposed	3 required 4 proposed

The bolded item - percent Landscaped area - is what represents the proposed special zone. The required minimum landscaped open space is 35% and the proposed development for Building B landscaped space is 33%. This is deficient by 2% or 146.6 m² of land. This is equivalent to the area of 8 parking spaces. In the design phase of the development parking was given a high priority. The landscaped area deficiency can be balanced by ensuring that, during the site plan phase, the addition of quality native trees and shrubs are used.

The full request under the special zone is:

As per Section 6.4 Lot Requirements Table 6.3 Residential Zone Requirements, a reduction to the required minimum percent landscaped area from 35% to 30%.

The proposed zoning and subsequent development meet the general intent of the policies of the Zoning by-law.

6.0 CONCLUSION

The application for Zoning By-law Amendment and subsequent Site Plan Control as described in this report has been fully reviewed from a land use planning perspective. It is our professional opinion that approval of the application should be granted for the following reasons:

- The approval of the application is consistent with the policies in the Planning Act.
- The approval of the application is consistent with the policies of the Growth Plan for Northern Ontario (GPNO 2011)
- The approval of the application is consistent with the Provincial Policy Statement
- The approval of the application maintains the intent of the policies of the City of North Bay
- The proposed application is in general compliance with the City of North Bay Zoning By-law
- The approval of the application represents good planning



The City of Temiskaming Shores
P.O. Box 2050
325 Farr Drive
Haileybury, Ontario P0J 1K0
705-672-3363

Application for Zoning By-law Amendment Under Section 34 of the Planning Act

Fee for Application to Amend the Zoning By-law: \$1,000.00

Please read before completing this application

This application reflects the mandatory information that is prescribed in the Schedules to Ontario Regulation 545/06 made under the Planning Act, RSO, 1990, as amended, as well as information required by the City of Temiskaming Shores to assist in the assessment of the proposal.

In addition to completing this form, the Applicant is required to submit the fee, a detailed site plan and any additional information or studies that may be necessary to assess the proposal.

Failure to submit the required information will delay the consideration of this Application. An application which is not considered complete under the Planning Act is not subject to the timelines of the Act.

Applicants are encouraged to consult with the Municipality prior to completing the application.

OFFICE USE ONLY
File No.: _____
Date Received: _____
Roll No.: 5418- _____

1. Owner Information

Name of Owner: Abdul Khaliq

Mailing Address: 1725 Thornton Road N, Oshawa, ON, L1L 0P7

Phone: [REDACTED]

If more than one registered owner, please provide information below (attach separate sheet if necessary):

Name of Owner: 2844371 Ontario Inc

Mailing Address: 1725 Thornton Road N, Oshawa, ON, L1L 0P7

Email Address: [REDACTED] Phone: [REDACTED]

2. Applicant/Agent Information (if applicant is not the owner or applicant is an agent acting on behalf of the owner):

Name of Agent: Jk Development GP2 Limited

Mailing Address: 952 Kingston Rd. Suite 203 Toronto, ON M4E 1S7

Email Address: [REDACTED]

3. Please specify to whom all communications should be sent:

☐ Owner ☒ Applicant/Agent

4. Property Information

a. Location of the subject land:

☐ Dymond ☒ New Liskeard ☐ Haileybury

Municipal Address

129 Davidson Street Temiskaming Shores (New Liskeard) ON

Legal Description (concession and lot numbers, reference plan and lot/part numbers)

All of lots 215-222 and part lot 223 and all of lots 228-231 and all lots 235 and 236 and part of lane RP M-29 N.B.

b. Date the subject land was acquired by the current owner: 2021

c. Names and addresses of the holders of any mortgages, charges, or other encumbrances of the subject land:

None

d. Are there any easements or restrictive covenants affecting the subject land?

☐ Yes ☒ No

If yes, describe the easement or covenant and its effect:

e. Dimensions of subject land:

Lot Area: (school) 2600 sm (irregular) Other 3920 sm

Road Frontage: School 40m. Dymond 98m

Water Frontage: none

Lot Depth: +/- 65m (irregular) Dymond 40m

f. Existing use(s) of the subject land (check all that apply):

☐ Residential

☐ Commercial

☐ Industrial

☒ Institutional

☐ Agricultural

☐ Vacant

☐ Mixed Use (specify): _____

☒ Other (specify): Community Facility (former school) originally constructed in 1957 with additions

g. Length of time the existing uses of the subject land have continued: 1957 to time of school closing (approx 2020)

h. Are there any buildings or structures existing on the subject land?

☒ Yes ☐ No

If yes, complete the table below (attach a separate sheet if necessary):

	Building 1	Building 2	Building 3	Building 4	Building 5
Type or use of building	school building				
Height of building (m)	4 m				
Setback from front lot line (m)	5.97m				
Setback from rear lot line (m)	.90m				
Setback from side lot line one side (m)	1.9m				
Setback from side lot line other side (m)	.90m				
Setback from shoreline (m)	N/A				
Dimensions (m) or floor area (m ²)	+/- 900 sm GFA				
Date constructed	approx 1957				
Is building to remain or be removed?	removed				

i. Has the subject land ever been used for commercial or industrial purposes?

☐ Yes ☒ No

If yes, has a Record of Site Condition ever been completed in accordance with Ontario Regulation 153/04?

☐ Yes ☒ No

j. Existing use(s) of abutting properties:

North: single family home

East: Northdale Manor Retirement Home

South: single family home

West: Davidson Street

k. Are any of the following uses or features on the subject land or within 500m (unless otherwise specified)?

Use or Feature	On the subject land	Within 500 metres of subject land (indicate approximate distance)
An agricultural operation including livestock or stockyard	<input type="checkbox"/>	<input type="checkbox"/> _____
A landfill	<input type="checkbox"/>	<input type="checkbox"/> _____
A sewage treatment plant or waste stabilization plant	<input type="checkbox"/>	<input type="checkbox"/> _____
A provincially significant wetland (Class 1, 2 or 3 wetland)	<input type="checkbox"/>	<input type="checkbox"/> _____
A provincially significant wetland within 120 metres of the subject land	<input type="checkbox"/>	<input type="checkbox"/> _____
A waterbody, watercourse, river, or stream	<input type="checkbox"/>	<input type="checkbox"/> _____
A rehabilitated mine site	<input type="checkbox"/>	<input type="checkbox"/> _____
A non-operating mine site within 1 kilometre of the subject land	<input type="checkbox"/>	<input type="checkbox"/> _____
An active mine site, gravel pit or quarry	<input type="checkbox"/>	<input type="checkbox"/> _____
An industrial or commercial use (specify)	<input checked="" type="checkbox"/>	<input type="checkbox"/> _____
An active railway line	<input type="checkbox"/>	<input type="checkbox"/> _____
Utility corridor(s)	<input type="checkbox"/>	<input checked="" type="checkbox"/> _____
Provincial Highway	NA	<input type="checkbox"/> _____

5. Planning Information

a. Current Official Plan Designation(s): _____

b. Explain how the application conforms with the Official Plan:

The proposed use of 2 apartment buildings encourages development of rental units in the residential zone. The scope of permitted uses may include low, medium and high density housing types. The intent of the OP as a development principle is to promote residential intensification within the City's built up area in the form of using vacant lands and unused buildings for development purposes.

c. Current Zoning: Community Facility and R3

d. Nature and extent of the rezoning being requested:

Requesting re-zoning from Community Facility to
CF and R3 proposed to R4

e. Reason why rezoning is being requested:

To allow the development of a former vacant school to provide rental and affordable housing units to the Community.

f. Is the subject land within an area where the municipality has predetermined the minimum and maximum density requirements or the minimum and maximum height requirements?

☒ Yes ☐ No

If yes, provide a statement of these requirements:

See attached plan for details.

g. Is the subject land within an area where zoning with conditions may apply?

☐ Yes ☒ No

If yes, explain how the application conforms to the Official Policies related to zoning with conditions:

Applicants site plan conforms to all proposed set backs, coverage, building height and parking requirements for the R4 zone.

h. Does the application propose to change the boundary of a settlement area or establish a new area of settlement?

☐ Yes ☒ No

If yes, provide details of the current Official Plan policies or Official Plan Amendment dealing with the alteration or establishment of an area of settlement:

i. Does the application propose to remove land from an area of employment?

☐ Yes ☒ No

If yes, provide details of the current Official Plan policies or Official Plan Amendment dealing with the removal of land from an area of employment:

6. Proposed Use of Property

a. Proposed use(s) of the subject land (check all that apply):

☒ Residential ☐ Commercial ☐ Industrial
☐ Institutional ☐ Agricultural ☐ Vacant
☐ Mixed Use (specify): _____
☐ Other (specify): _____

b. Are any buildings proposed to be constructed on the property?

☒ Yes ☐ No

If yes, complete the table below (attach a separate sheet if necessary):

	Building 1	Building 2	Building 3	Building 4	Building 5
Type or use of building	2 story residential building	3-4 story residential building			
Height of building (m)	9m max.	13m max.			
Setback from front lot line (m)	13.2m	23m			
Setback from rear lot line (m)	13.2m	12m			
Setback from side lot line one side (m)	6.0m	12m			
Setback from side lot line other side (m)	13.2m	12m			
Setback from shoreline (m)	NA	NA			
Dimensions (m) or floor area (m ²)	655.35m ²	2312 m ²			

7. Access and Servicing

a. What type of access is proposed for the subject land?

- | | |
|--|---------------------------------------|
| <input type="checkbox"/> Provincial Highway | <input type="checkbox"/> Private Road |
| <input checked="" type="checkbox"/> Municipal Road, maintained all year | <input type="checkbox"/> Right-of-Way |
| <input type="checkbox"/> Municipal Road, maintained seasonally | <input type="checkbox"/> Water Access |
| <input type="checkbox"/> Other (specify): <u>Easement may be required over Dymond Crescent</u> | |

i. If access to the subject land will be by water only, describe the docking and parking facilities to be used and the approximate distance to these facilities from the subject land and the nearest public road:

b. What type of water supply is proposed for the subject land?

- ☒ Publicly owned and operated piped water supply (City water)
- ☐ Privately owned and operated individual well
- ☐ Privately owned and operated communal well
- ☐ Lake or other water body
- ☐ Water service not proposed
- ☐ Other (specify): _____

c. What type of sewage disposal is proposed for the subject land?

- ☒ Publicly owned and operated sanitary sewage system (City sewer)
- ☐ Privately owned and operated individual septic system
- ☐ Privately owned and operated communal septic system
- ☐ Privy
- ☐ Sewage disposal service not proposed
- ☐ Other (specify): _____

i. If the proposed amendment would permit development on a privately owned and operated individual or communal septic system, and more than 4,500 litres of effluent would be produced per day as a result of the development being completed, a servicing options report and a hydrogeological report prepared by a qualified professional are required to be submitted:

- ☐ Title and date of servicing options report: _____
- ☐ Title and date of hydrogeological report: _____

d. What type of storm drainage is proposed for the subject land?

☒ Storm sewer

☐ Ditches

☐ Swales

☒ Other (specify): A functional servicing report is being commissioned as part of ZBA to include, storm, sanitary and water

8. Previous Applications

Has the subject land ever been the subject of any of the following applications under the Planning Act (if the answer to any of the following is yes, please provide the file number and status of the application if known):

☒ Unknown

Official Plan Amendment ☐ Yes ☐ No File No.: _____ Status: _____

Zoning By-law Amendment ☐ Yes ☐ No File No.: _____ Status: _____

Minor Variance ☐ Yes ☐ No File No.: _____ Status: _____

Plan of Subdivision ☐ Yes ☐ No File No.: _____ Status: _____

Consent ☐ Yes ☐ No File No.: _____ Status: _____

Site Plan Control ☐ Yes ☐ No File No.: _____ Status: _____

Minister's Zoning Order ☐ Yes ☐ No File No.: _____ Status: _____

9. Concurrent Applications

Is the subject land currently the subject of any of the following applications under the Planning Act (if the answer to any of the following is yes, please provide the file number and status of the application if known):

Official Plan Amendment ☐ Yes ☐ No File No.: _____ Status: _____

Zoning By-law Amendment ☐ Yes ☐ No File No.: _____ Status: _____

Minor Variance ☐ Yes ☐ No File No.: _____ Status: _____

Plan of Subdivision ☐ Yes ☐ No File No.: _____ Status: _____

Consent ☐ Yes ☐ No File No.: _____ Status: _____

Site Plan Control ☐ Yes ☐ No File No.: _____ Status: _____

10. Provincial Policies

a. Is the proposed zoning by-law amendment consistent with the policy statements issued under subsection 3(1) of the Planning Act?

☒ Yes ☐ No

- i. If yes, explain how the zoning by-law amendment is consistent with the policy statements issued under subsection 3(1) of the Planning Act:

In April, 2023 the Ministry of Municipal Affairs and Housing created the Provincial Policy Statement. The PPS amongst other things, found that Municipalities are in favour of increased intensification and density to support employment forecasts, urban growth and affordable rental housing. Overall there is support for a streamlined Municipal approvals process. Outside of the Golden Horseshoe, it was noted that Municipalities encourage intensification and increased density, but allow for local context to be considered. Generally the development of the former vacant school on Davidson Street and the associated residual lands is in keeping with the policy statements of the Provincial Policy Statement

- b. Is the subject land within an area of land designated under any provincial plan or plans?

☒ Yes ☐ No

- i. If yes, explain how the zoning by-law amendment conforms or does not conflict with the provincial plan or plans:

Overall the project does not conflict with the growth plan for Northern Ontario

11. Public Consultation Strategy

Detail the proposed strategy for consulting with the public with respect to the application:

☒ Follow Planning Act requirements

☒ Other (please specify):

Open house public meeting to discuss the project with The Municipality, Mayor and Council, neighbours, and any other interested members of the public or the community that have an interest in learning about the project, before the ZBA application is submitted.

12. Additional Studies or Information

Additional studies or information may be required by the Municipality to support the application. The application may not be considered a complete application unless these studies have been completed. Applicants are advised to pre-consult with the Municipality to determine what additional studies or information is required.

List of additional studies or information required by the Municipality (to be provided by the Municipality):

☒ 1. Geotechnical study 2. Functional Servicing Report

☒ 3. Land use compatibility study review with MOE, Conservation and Parks D-6 guidelines

☒ demonstrating no negative impacts to the City's operations dept to the south

☒ or the industrial building at 330 Broadwood, 4. A Planning justification report

13. Sketch

The application shall be accompanied by a site plan showing the following information:

- ☐ The boundaries of the subject land;
- ☐ The location, size and type of all existing and proposed buildings and structures on the subject land, indicating their distance from the front lot line, rear lot line and side lot lines;
- ☐ The approximate location of all natural and artificial features (for example: buildings, railways, roads, watercourses, drainage ditches, banks of rivers or streams, wetlands, wooded areas, wells and septic tanks, etc.) that:
 - ☐ Are located on the subject land and on land that is adjacent to the subject land, and
 - ☐ In the applicant's opinion, may affect the application;
- ☐ The current uses of land that is adjacent to the subject land;
- ☐ The location, width, and name of any roads within or abutting the subject land, indicating whether it is an unopened road allowance, a public travelled road, a private road or a right of way;
- ☐ If access to the subject land will be by water only, the location of the parking and docking facilities to be used;
- ☐ The location and nature of any easement affecting the subject land.

14. Applicant/Agent Authorization

If the applicant is not the owner of the land that is the subject of this application, the written authorization of the owner that the applicant is authorized to make the application must be included with this form or the authorization set out below must be completed.

I/We, Abdul Khaliq and 2844371 Ontario Inc are the registered owners of the subject land and I/we hereby authorize JK Development Gp 2 Limited (principal John Knifton) to make this application on my/our behalf and to provide any of my/our personal information that will be included in this application or collected during the processing of the application.

Date: 2023-10-31 Owner's Signature: Abdul Khaliq

Date: _____ Owner's Signature: _____

15. Authorization for Site Visits

I/We authorize Municipal Staff and Council and/or Committee members, as necessary, to enter the subject property to gather information necessary in the assessment of the application.

AK
Applicant Initial Applicant Initial

16. Notice re: Use and Disclosure of Personal Information

In accordance with the Planning Act and the Municipal Freedom of Information and Protection of Privacy Act, I/We acknowledge and understand that any information collected on this form and any supplemental information submitted as part of this application can be disclosed to any person or public body.

AK
Applicant Initial Applicant Initial

17. Declaration of Applicant

- ✓ If the application is being submitted by the property owner and there is more than one registered owner, each owner must complete a separate declaration.
- ✓ If the application is being submitted by the property owner and the owner is a firm or corporation the person signing this declaration shall state that he/she has authority to bind the corporation or affix the corporate seal.
- ✓ This declaration must be completed in front of a Commissioner for Taking Affidavits.

I, Candice Micucci of the City of North Bay
in the District of Nipissing make oath and say

(or solemnly declare) that the information contained in this application is true and that the information contained in the documents that accompany this application is true and I make this solemn declaration conscientiously knowing that it is of the same force and effect as if made under oath and by virtue of the Canada Evidence Act.

Sworn (or declared) before me

at the City of North Bay
in the District of Nipissing
this 31 day of October, 2023

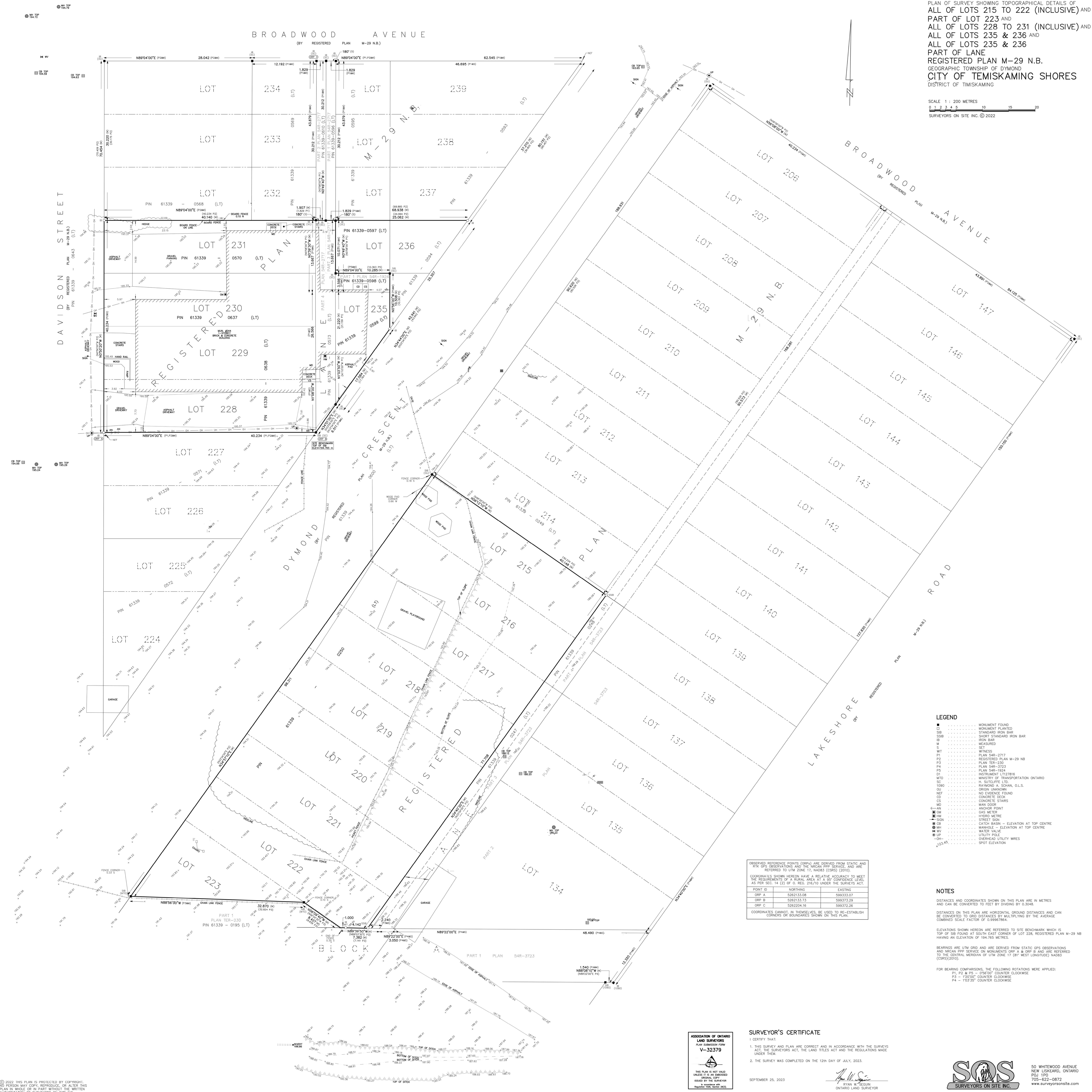
Sandra Rose Micucci
a Commissioner, etc., Province of
Ontario, for 2250418 Ontario Ltd. o/a
Antech Design and Engineering Group.
Expires August 22, 2025

Candice Micucci
Signature of Applicant

Sandra Micucci
A Commissioner for Taking Affidavits

PLAN OF SURVEY SHOWING TOPOGRAPHICAL DETAILS OF
ALL OF LOTS 215 TO 222 (INCLUSIVE) AND
PART OF LOT 223 AND
ALL OF LOTS 228 TO 231 (INCLUSIVE) AND
ALL OF LOTS 235 & 236 AND
ALL OF LOTS 235 & 236
PART OF LANE
REGISTERED PLAN M-29 N.B.
GEOGRAPHIC TOWNSHIP OF DYMOND
CITY OF TEMISKAMING SHORES
DISTRICT OF TEMISKAMING

SCALE 1 : 200 METRES
0 1 2 3 4 5 10 15 20
SURVEYORS ON SITE INC. © 2022



LEGEND

- MONUMENT FOUND
- MONUMENT PLANTED
- STANDARD IRON BAR
- SHORT STANDARD IRON BAR
- IRON BAR
- MEASURED
- SET
- WITNESS
- PLAN 548-2717
- REGISTERED PLAN M-29 NB
- PLAN TER-230
- PLAN 548-3723
- PLAN 548-1924
- INSTRUMENT 1127816
- MINISTRY OF TRANSPORTATION ONTARIO
- R. SUTcliffe LTD.
- RAYMOND A. SCHAN, D.L.S.
- ORIGIN UNKNOWN
- NO EVIDENCE FOUND
- CONCRETE DECK
- CONCRETE STAIRS
- MAN DOOR
- ANDORSE POINT
- GAS METER
- HYDRO METRE
- STREET SIGN
- GATOR BASIN - ELEVATION AT TOP CENTRE
- MANHOLE - ELEVATION AT TOP CENTRE
- WATER VALVE
- UTILITY POLE
- OVERHEAD UTILITY WIRES
- SPOT ELEVATION

NOTES

DISTANCES AND COORDINATES SHOWN ON THIS PLAN ARE IN METRES AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048.

DISTANCES ON THIS PLAN ARE HORIZONTAL GROUND DISTANCES AND CAN BE CONVERTED TO GRID DISTANCES BY MULTIPLYING BY THE AVERAGE COMBINED SCALE FACTOR OF 0.99967864.

ELEVATIONS SHOWN HEREON ARE REFERRED TO SITE BENCHMARK WHICH IS TOP OF SIB FOUND AT SOUTH EAST CORNER OF LOT 228, REGISTERED PLAN M-29 NB HAVING AN ELEVATION OF 194.765 METRES.

BEARINGS ARE UTM GRID AND ARE DERIVED FROM STATIC GPS OBSERVATIONS AND NRCAN GPP SERVICE ON MONUMENTS ORP A & ORP B AND ARE REFERRED TO THE CENTRAL MERIDIAN OF UTM ZONE 17 (81° WEST LONGITUDE) NAD83 (CSRS)2010.

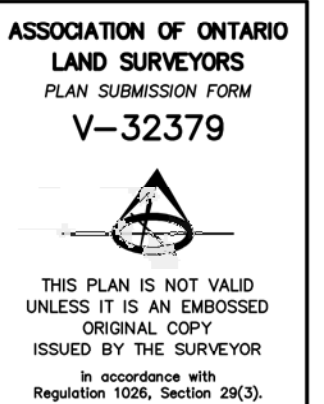
FOR BEARING COMPARISONS, THE FOLLOWING ROTATIONS WERE APPLIED:
P1, P2 & P3 - 1756°00' COUNTER CLOCKWISE
P3 - 1720°00' COUNTER CLOCKWISE
P4 - 1703°35' COUNTER CLOCKWISE

OBSERVED REFERENCE POINTS (ORP) ARE DERIVED FROM STATIC AND RTK GPS OBSERVATIONS AND THE NRCAN PPP SERVICE AND ARE REFERRED TO UTM ZONE 17, NAD83 (CSRS) (2010).

COORDINATES SHOWN HEREON HAVE A RELATIVE ACCURACY TO MEET THE REQUIREMENTS OF A RURAL AREA AT A 30' CONFIDENCE LEVEL AS PER SEC. 14 (2) OF O. REG. 216/10 UNDER THE SURVEYS ACT.

POINT ID	NORTHING	EASTING
ORP A	5262131.08	599333.07
ORP B	5262131.73	599373.29
ORP C	5262204.16	599372.26

COORDINATES CANNOT, IN THEMSELVES, BE USED TO RE-ESTABLISH CORNERS OR BOUNDARIES SHOWN ON THIS PLAN.



SURVEYOR'S CERTIFICATE

I CERTIFY THAT:
1. THIS SURVEY AND PLAN ARE CORRECT AND IN ACCORDANCE WITH THE SURVEYS ACT, THE SURVEYORS ACT, THE LAND TITLES ACT AND THE REGULATIONS MADE UNDER THEM.
2. THE SURVEY WAS COMPLETED ON THE 12th DAY OF JULY, 2023.

SEPTEMBER 25, 2023

Ryan W. Seguin
RYAN W. SEGUIN
ONTARIO LAND SURVEYOR



50 WHITEWOOD AVENUE
NEW LISKEARD, ONTARIO
P0J 1P0
705-622-0872
www.surveyorsonsite.com

ANTECH

Design & Engineering Group

FUNCTIONAL SERVICING REPORT

PROJECT NAME:

Multi Residential Development

PROJECT ADDRESS:

129 Davidson Street
New Liskeard, Ontario

PROJECT NO.

232602

DATE

October 19, 2023

PROJECT ABSTRACT

Functional Servicing Report for the submission of a Zoning By-law Amendment and Site Plan Control for the proposed two multi-unit buildings. This document contains the information on the site servicing for the proposed development. The sanitary service, water service, and fire flow calculations are contained within.

Project Summary

Project No.

232602

Client

JK Developments

Version	Date	Description
1.0	2023.10.27	Initial Release

Client Contact

John Knifton

Signatures and Seals

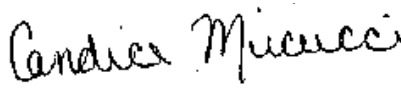
Consultant Team

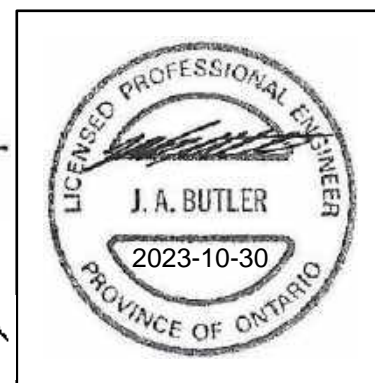
Andrew Butler, P.Eng.

Candice Micucci MCIP, RPP, OALA

Joseph Lefaive P.Eng


Signature


Signature



Property Address

129 Davidson Street

New Liskeard, Ontario

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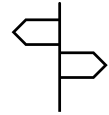
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Appendices

Appendix A – Existing Topographic Plan	Encl.
Appendix B – Proposed Site Plan.....	Encl.
Appendix C – Proposed Site Servicing Plan	Encl.
Appendix D – Sanitary Services Design Sheets	Encl.
Appendix E – Water Services Design Sheets.....	Encl.
Appendix F – Fire Flow Calculations	Encl.

1.0 INTRODUCTION AND BACKGROUND



1.1 SCOPE

Antech Design and Engineering has been retained by JK Developments to provide Engineering services to support a Zoning By-law Amendment and Site Plan Approval application for the proposed development located at 129 Davidson Street in New Liskeard Ontario. The existing condition topographical survey is included as Appendix A to this report.

The purpose of this report is to provide the conceptual framework for servicing proposed development with respect to:

- Sanitary Sewage
- Water Supply both domestic and fire
- Storm Drainage

A Stormwater Management Report outlining the proposed quality and quantity control for stormwater on this site has been prepared in a separate document, by Antech Design and Engineering.

In preparing this report, Antech staff have utilized available information from the City of Temiskaming Shores servicing information on file, architectural information, as well as topographic survey information prepared by Surveyors On Site Inc.

1.2 PROPOSED DEVELOPMENT

The proposed development will consist of:

- Building A with 6 units
- Building B with 53 units
- Associated parking
- Associated landscaping
- Municipal Servicing

The site plan of the proposed development is included in Appendix B. Included as Appendix C is the Site Servicing Plan.

1.3 SITE DESCRIPTION

The subject property has a legal description of All of Lots 215-222, 228-231, 235-236, Part of Lots 223 and Part of Lane of Registered Plan M-29 NB, in the Geographic Township of Dymond in the District of Nipissing.

The subject property has a total lot area of 9269.9 square meters with Proposed A being 1937.7 square meters and Proposed B being 7332.2 square meters. The property has an irregular shape with frontage on Davidson Street and Broadwood Avenue.

The existing site topography is generally sloping West to East with a steep slope in the southeast side.

There is an existing school to be removed as well as some site features.

The site is designated Residential Neighbourhood in the Temiskaming Shores Official Plan and Community Facility in the Zoning By-law.

The site, as demonstrated in Appendix A: Existing Topographic Plan.



2.0 SANITARY SEWERS



2.1 EXISTING SANITARY SEWER SYSTEM

There is an existing 200mm (8") diameter PVC sanitary sewer at approximately 0.5% slope in Davidson Street as per the Plan and Profile drawings supplied by the City of Temiskaming Shores drawing, Davidson Broadwood to Agnes. This existing service flows from south to north. The existing sanitary sewer can be seen on the proposed Site Servicing Plan in Appendix C.

There is an existing 200mm (8") diameter PVC sanitary sewer at approximately 0.5% slope within Broadwood Avenue as per the Plan and Profile drawings supplied by the City of Temiskaming Shores drawing, Broadwood-Lakeshore to Edith-As Constructed 1996. This existing service flows from west to east. The existing sanitary sewer can be seen on the proposed Site Servicing Plan in Appendix C.

2.2 SANITARY DEMAND

Sanitary demand for the proposed development is calculated based on the number of fixture units and is calculated as per Ontario Building Code (OBC) Section 7 Table 7.4.9.3., Minimum Permitted Size of Fixture Outlet Pipe and Hydraulic Loads for Fixtures and Table 7.4.10.8. Maximum Permitted Hydraulic Load Drained to a Horizontal Sanitary Drainage Pipe. Sanitary demand is also calculated using a population-based approach. Appendix D, of this report, contains the sanitary site services design calculation sheets for both proposed buildings.

As per the OBC, a total of 105 fixture units were estimated for Property A. This would require the use of a 100mm (4") diameter pipe. As per the OBC, a total of 707 fixture units were estimated for Property B. This would require a 150mm (6") diameter pipe at a minimum 2% slope. However, a 200mm (8") diameter pipe would allow reduced slopes and provide flexibility to the building Engineer's design.

Using a population-based approach the proposed 150mm (6") diameter sanitary sewer at a minimum 1.2% slope is appropriate for both developments.

2.3 POST DEVELOPMENT SANITARY SERVICING

The development is proposed to be constructed with a 150mm (6") sanitary service for Building A and a 200mm (8") sanitary service for Building B. The sanitary service design is illustrated on the Site Servicing Plan in Appendix C.

The proposed sanitary service pipe shall be installed as green in colour.

TABLE 1 SANITARY SEWER SPECIFICATIONS

Type of Pipe	Specification	Diameter	Joint Type	Approved Manufacturer
SDR 35 PVC	CSA B182.2 320 kPa Stiffness minimum Smooth walled only	150mm 200mm	Gasketed Bell and Spigot	IPEX, Rehau, Royal, Diamond Plastics

2.4 WASTEWATER DESIGN FLOW

Wastewater design flow for the site was calculated based on the *Ministry of the Environment (MOE)* standards. As per the Design Flow calculated on the Sanitary Design Sheet the total wastewater generation is 0.40 L/sec for Building A and 3.1 L/sec for Building B.

3.0 DOMESTIC AND FIRE WATER SUPPLY



3.1 EXISTING WATER CONDITIONS

There is an existing 100mm CPP watermain on Davidson Street with an existing fire hydrant west side of Davidson at the corner of Davidson Street and Agnes Avenue. There is a 150mm (6") watermain on Broadwood Avenue with a fire hydrant on the north side of Broadwood at Maple Street. From municipal information existing water services are approximately 2.5 meters deep. The existing water service is illustrated on the Site Servicing Plan.

3.2 DOMESTIC WATER DEMAND

Total peak water usage for the site was derived from the fixture unit count from OBC Table 7.6.3.2.A. and Table A7.6.3.1. as well as using a population-based method. See Appendix E for design calculations.

As per Table 7.6.3.2.A., 92 fixture units for Building A and 441 fixture units for Building B. For Building A, based on Table A-7.6.3.1, a 38mm (1.5") water service is required to service the proposed development. Similarly, for Building B, a 63.5mm (2.5") service or greater is required.

Using a population-based approach to calculate peak demands the following water demands are presented in Table 2.

Table 2: Population based domestic water demands

	Building A	Building B
Average Daily Demand	0.08 L/s	0.7 L/s
Max Day Demand	0.14 L/s	1.2 L/s
Peak Hourly Demand	0.23 L/s	2.0 L/s
OBC FU to L/s	2.84 L/s	7.25 L/s

To convey these peak flows for Building A without the risk of a pipe bursting due to surge pressures a minimum service size of 38mm (1.5") is required. For Building B a 100mm (4") service would be required.

For Building A 38mm (1.5") domestic service is proposed. For Building B a 150mm (6") service is proposed.

3.3 FIRE FLOW ESTIMATE

Calculating the fire flow estimate has been completed for the proposed development based on the site plan herein. The fire flow estimate is based on Water Supply for Public Fire Protection – 1999 issued by Fire Underwriters Survey.

The fire flow estimate is calculated from the following formula:

$$F = 220C\sqrt{A}$$

The fire flow calculation for the proposed development, rounded to the nearest 1,000 L/min for Building A the Fire Flow Calculation is 7,000 L/min for a 2.0-hour duration. For Building B a 20,000 L/min with a 4.5-hour duration is required.

The calculations can be found in Appendix F.

Hydrant flow tests will be required to verify the municipal water capacity. On-site storage for fire fighting water may be required should the municipal watermain not have sufficient capacity.

3.4 POST DEVELOPMENT WATER SERVICING

The proposed site water service for Building A is a 38mm (1.5") for domestic and fire protection would be provided from the existing fire hydrant. For Building B a 100mm domestic service and a 150mm fire service would be required. The proposed services are on the proposed site servicing plan.

TABLE 2: WATER SERVICE SPECIFICATIONS

Main Size	Main Size	Joint Type	Pipe	Fittings	Approved Manufacturer
Polyvinyl Chloride Pipe (PVC) SDR 18	Less than 300mm	Gasketed Bell and Spigot	AWWA M23 AWWAC900 CSA 137.3 FM 1612 SPPROVED UL 1285 LISTED NSF 61 CERTIFIED	(100-300) AWWA C907 CSA B137.2 (250-300) AWWA C900 CSA B137.3 FM 1612 APPROVED UL 1285 LISTED NSF 61 CERTIFIED	Service saddles or service tees shall be used when connecting services to PVC mains.
Type K soft copper	Equal to or less than 50mm			Only compression fittings to be used between the watermain & the water meter	

4.0 STORM DRAINAGE



4.1 EXISTING STORM SEWERS

There are existing storm sewers located on Davidson Street and Broadwood Avenue. The existing site drainage for Building A primarily drains into the existing storm on Davidson Street. For Building B the existing storm water runoff is directed down the existing easterly slope.

4.2 STORM DRAINAGE DESIGN

The storm water has been designed and calculated as per the City of Temiskaming Shores requirements and the MOE Stormwater Management Planning and Design Manual. Specific information regarding the stormwater design can be found within the Stormwater Management Report completed by Antech Design and Engineering.

4.3 POST DEVELOPMENT STORM DESIGN

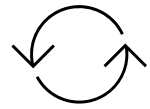
As per the Stormwater Management Plan the proposed storm service for Building A will be via the existing storm sewer within Davidson Street. The storm service for Building B will be via the existing ditch inlet catchbasin at Broadwood Avenue.

5.0 UTILITIES



Through preliminary investigation with the active utility agencies in the area, all required utilities are located within the right of way adjacent to the site. Based on the nature of the proposed development and estimated load demands, there is no indication of any issues with providing the necessary utility service for the development.

6.0 MAINTENANCE RECOMMENDATIONS



The maintenance of the site services is crucial to the functionality of the system. The following are the basic maintenance requirements:

1. Inspection of all catch basins and manholes a minimum of once annually.
2. Inspect exfiltration trenches quarterly in the first year to determine sediment loading; adjust inspections to semi-annually or annually accordingly. When sediment builds up to 150mm (6") the trenches should be water jetted and vacuumed to ensure infiltration efficiencies are maintained.
3. All manholes and valves shall always be kept clear and functioning.
4. No shut-off to be buried or landscaped in a way that makes it inaccessible.
5. Any structure that requires repair must be immediately repaired or replaced.
6. All sediment buildup to be removed four times annually once at the beginning of spring, once at the beginning of summer, once beginning of fall once before the first frost.
7. All areas of landscaping shall be maintained. Where grass or ground cover is required, these areas shall be kept-up.
8. All sediment disposal to be in accordance with MOE standards.

9.0 CONCLUSIONS



Based on the information contained within this report and its appendices, it is concluded that the proposed developments can be constructed to meet the requirements of the City of Temiskaming Shores.

In summary, the features of the design for the proposed development are as follows:

- Sanitary servicing for Building A is proposed to be a 150mm (6") diameter gravity service
- Sanitary servicing for Building B is proposed to be a 200mm (8") diameter gravity service
- Domestic water servicing for Building A can be provided by using the proposed 38 mm (1.5") diameter service
- Domestic water servicing for Building B can be provided by using the proposed 100mm (4") diameter service
- Fire servicing for Building B will be provided by using the proposed 150mm (6") diameter service. This is the maximum watermain size available to the site.
- Storm servicing can be provided as per the Stormwater Management Report.
- The required utilities can be provided to service the site based on preliminary findings

We trust the information enclosed herein is satisfactory. Should you have any questions please do not hesitate to contact our office.

APPENDIX A

Existing Condition Plan



KEY PLAN

NOTES

1. ALL TOPOGRAPHIC & SERVICE INFORMATION COMPILED FROM SURVEY DATA COMPLETED BY SURVEYORS ON SITE INC.
2. THE POSITION & SIZE OF POLE LINES, CONDUITS, WATERMAINS, SEWERS & OTHER UNDERGROUND & ABOVE GROUND UTILITIES & STRUCTURES ARE NOT NECESSARILY SHOWN ON THE DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION & SIZE OF SUCH UTILITIES & STRUCTURES IS NOT GUARANTEED. BEFORE COMMENCING WORK, THE CONTRACTOR SHALL FAMILIARIZE HIMSELF OF THE EXACT LOCATION OF ALL SUCH UTILITIES & STRUCTURES & SHALL ASSUME ALL LIABILITY FROM DAMAGE TO SAME.
3. NO PERSON SHALL CONSTRUCT OR DEMOLISH A BUILDING OR CAUSE A BUILDING TO BE CONSTRUCTED OR DEMOLISHED (INCLUDING SITE SERVICING) UNLESS A BUILDING PERMIT HAS BEEN ISSUED BY THE CHIEF BUILDING OFFICIAL.

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1	SUBMISSION 1	2023.10.27	CHM
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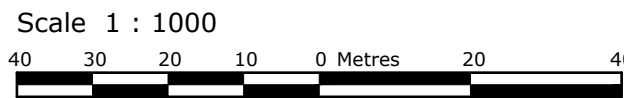
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PROPOSED SITE PLAN OF

ALL OF LOTS 215-222, 228-231, 235-236
PART OF LOTS 223 & PART OF LANE
REGISTERED PLAN M-29 N.B.
GEOGRAPHIC TOWNSHIP OF DYMOND
DISTRICT OF TIMISKAMING

129 DAVIDSON STREET
NEW LISKEARD, ONTARIO

CITY FILE NO. NA



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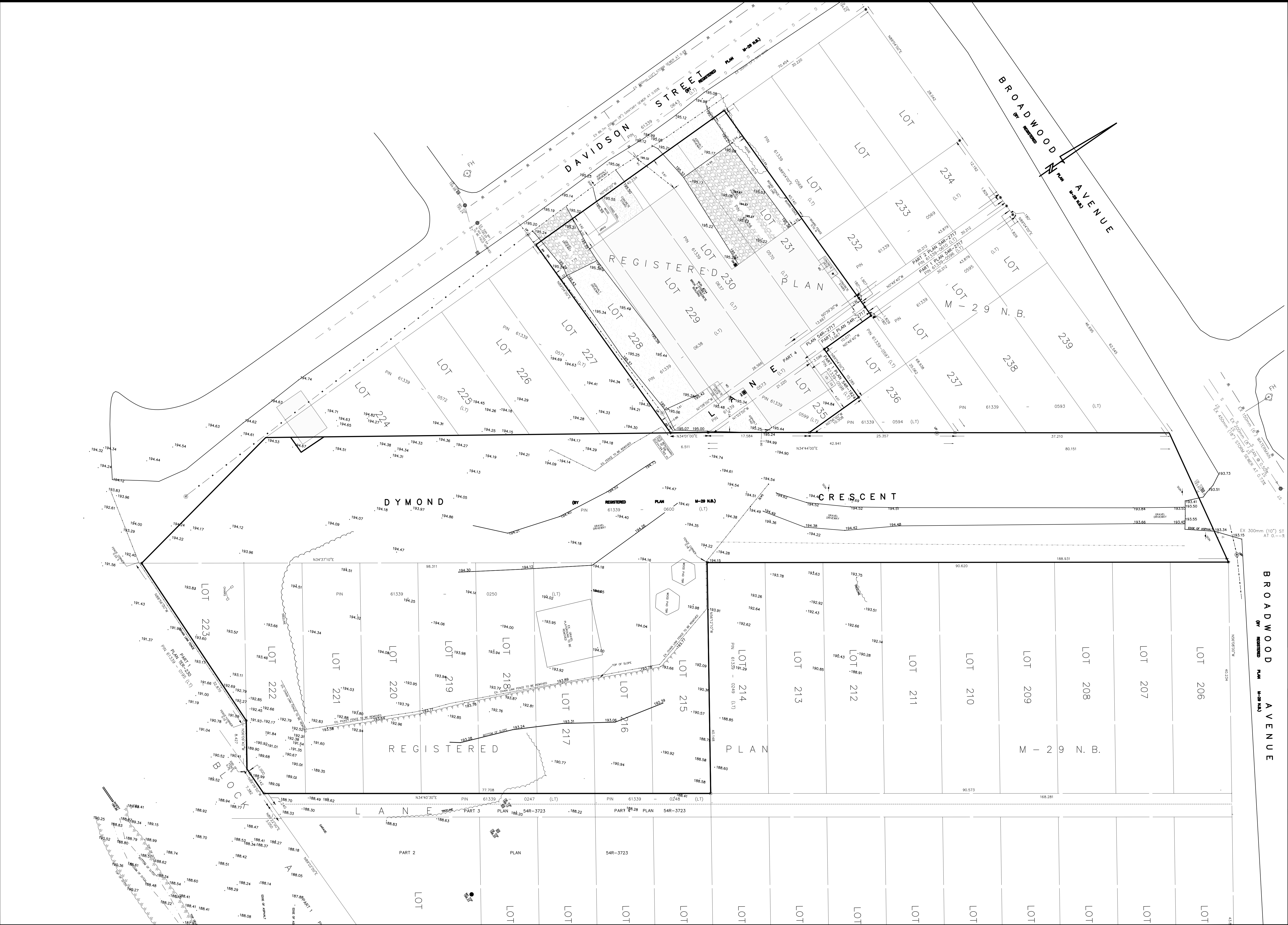
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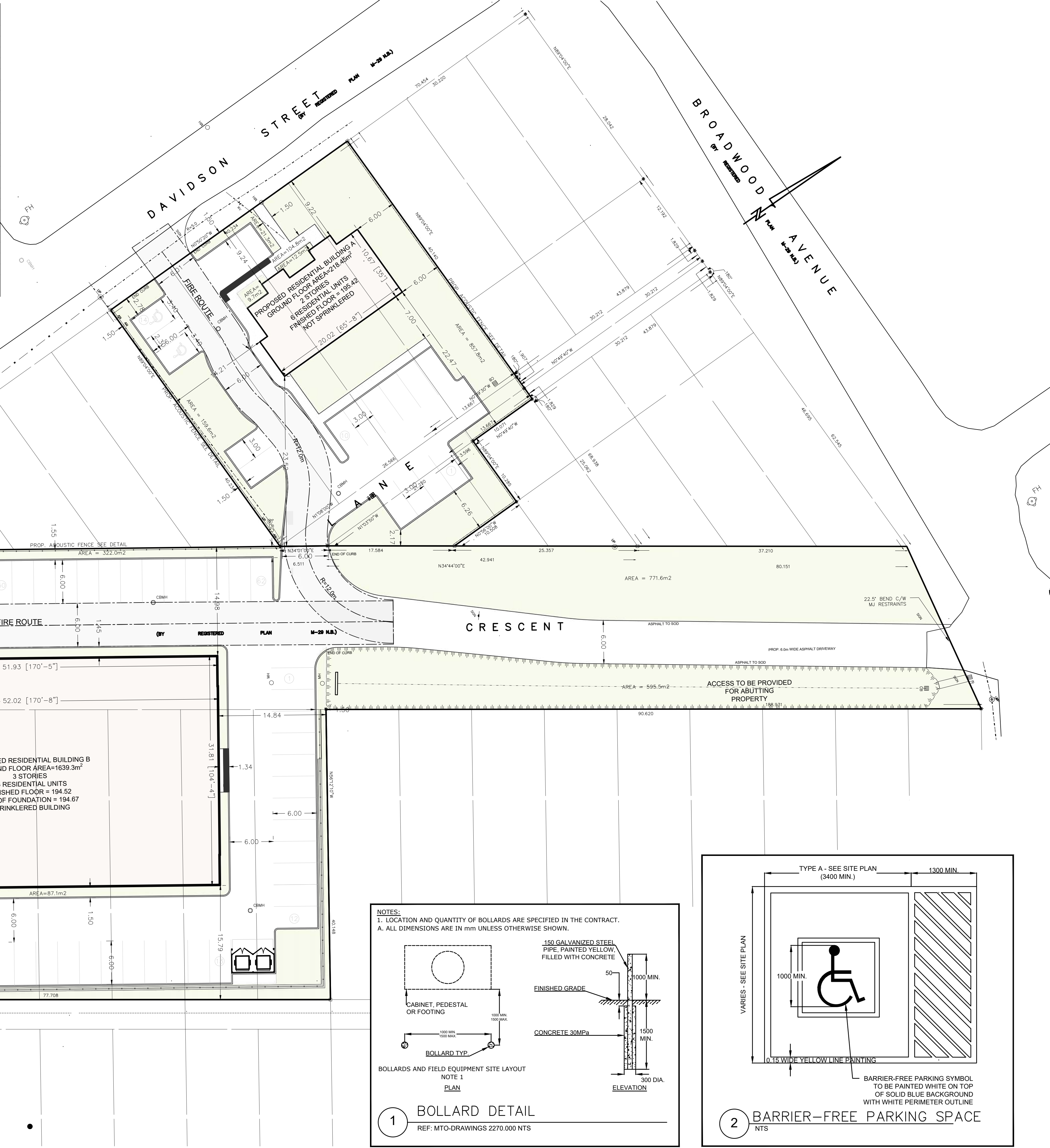


SURVEY SYMBOLS		STORM, SANITARY, WATER SERVICE SYMBOLS		UTILITY SERVICES SYMBOLS		GRADING SYMBOLS		OTHER SYMBOLS		UNDERGROUND SERVICES		PROPERTY LINES	
■ FOUND MONUMENTS	PL REGISTERED PLAN	○ IS SPRINKLER HEAD	○ MH-S MANHOLE - SANITARY	○ GY GAS VALVE	○ HGUY HYDRO GUIDE WIRE	○ EXISTING GRADE (m)	○ TREELINE	○ FP FLAG POLE	ST ST	ST ST	ST ST	ST ST	ST ST
□ SET MONUMENTS	OU ORIGIN UNKNOWN	○ BH BOREHOLE	○ MH-ST MANHOLE - STORM	○ GMRK GAS MARKER	○ BGUY BELL GUIDE WIRE	○ PROPOSED GRADE (m)	○ TRAFFIC SIGN	○ DP DECORATIVE POLE	S S	S S	S S	S S	S S
IB IRON BAR	M MEASURED	○ MW MONITORING WELL	○ CBMH DBL. CATCH BASIN MANHOLE	○ UP UTILITY POLE	○ HTRAN HYDRO TRANSFORMER	○ TC = TOP OF CURB	○ RAILWAY SIGN	○ BLRD BOLLARD	○ SN SIGN (OTHER)	○ B BELL / PHONE / CABLE	○ B BELL / PHONE / CABLE	○ PLR PILLAR	○ PLR PILLAR
SB STD. IRON BAR	PROP PROPORTIONED	○ CUL CULVERT	○ MH-H MANHOLE - HYDRO	○ HP HYDRO POLE	○ BMRK BELL MARKER	○ BW = BOTTOM OF WALL	○ SIGN (OTHER)	○ GP GUARD POST	○ MB MAIL BOX	○ P P HYDRO	○ P P HYDRO	○ PMB MAIL BOX	○ PMB MAIL BOX
SSB SHORT STD. IRON BAR	WT WITNESS	○ VC VALVE CHAMBER	○ MH-B MANHOLE - BELL	○ BP BELL POLE	○ BP BELL PEDESTAL	○ TW = TOP OF WALL	○ TRAFFIC LIGHT	○ FLM FLOOD LIGHT	○ FL FLOOD LIGHT	○ G G GAS	○ G G GAS	○ PMW PARKING METER	○ PMW PARKING METER
CC CUT CROSS	BM BENCHMARK	○ DRN DRAIN	○ MH-F MANHOLE - FIBER OPTIC	○ LS LIGHT STD.	○ CTRK CABLE TV MARKER	○ SW = SWALE	○ TRAFFIC CONTROL BOX	○ AC AIR CONDITIONER	○ W W WATER	○ W W WATER	○ W W WATER	○ FL FLOOD LIGHT	○ FL FLOOD LIGHT
N&W NAIL & WASHER	IP IRON PIPE	○ WELL WATER WELL	○ MH UNSPECIFIED	○ HLS HYDRO LIGHT STD.	○ CTV CABLE PEDESTAL	○ SEDIMENT TRAP	○ RAILWAY SIGNAL CTRL BOX						

APPENDIX B

Proposed Site Plan

SITE STATISTICS			
	ZONING REQUIREMENTS	PROPOSED BUILDING A	PROPOSED BUILDING B
OFFICIAL PLAN CATEGORY	RESIDENTIAL NEIGHBOURHOOD	RESIDENTIAL NEIGHBOURHOOD	RESIDENTIAL NEIGHBOURHOOD
ZONING BY-LAW CATEGORY	HIGH DENSITY RESIDENTIAL (R4)	R4	R4
MINIMUM LOT AREA	1100.0m ²	1937.7m ²	7332.2m ²
MINIMUM LOT FRONTAGE	30.0m	40.2m	30.7m
TOTAL BUILDING AREA	---	218.45 m ²	1639.3m ²
MAXIMUM BUILDING HEIGHT	12.0m	12.0m MAXIMUM	12.0m MAXIMUM
MAXIMUM LOT COVERAGE	40%	11.2%	31%
MINIMUM LANDSCAPED SPACE	35%	1060.9m ² 54.7%	2420.1m² 33%
MINIMUM FRONT YARD SETBACK	6.0m	9.2m	17.4m
MINIMUM REAR YARD SETBACK	7.5m	22.4m	14.8m
MINIMUM INTERIOR SIDE YARD SETBACK	6.0m	6.0m	14.9m
MINIMUM EXTERIOR SIDE YARD SETBACK	7.5m	14.2m	15.1m
MAXIMUM NUMBER OF DWELLING UNITS (EXCLUDING SECOND DWELLING)	1 FOR EACH 120m ² OF LOT AREA	1937.7/6=322.9m ² PER UNIT	7332.2/53 = 138.3m ² PER UNIT
LANDSCAPE BUFFER (4.8)	1.5m	1.5m MINIMUM	1.5m MINIMUM
REQUIRED NUMBER OF PARKING SPACES	1 PER DWELLING UNIT	14 PROPOSED	62 PROPOSED
PARKING STALL DIMENSIONS (5.2.4)	3.0m X 6.0m	3.0m X 6.0m	3.0m X 6.0m
WIDTH OF AISLES (5.2.5)	6.0m	6.0m	6.0m
YARD REQUIREMENTS FOR PARKING (5.2.9)	1.5m OF A STREET LINE	1.5m MINIMUM	1.5m MINIMUM
WIDTH OF ACCESS RAMPS & DRIVEWAYS (5.2.6)	6.0m	6.0m	6.0m
ACCESSIBLE PARKING STALL DIMENSIONS	3.4m X 6.0m	3.4m X 6.0m	3.4m X 6.0m
ACCESSIBLE PARKING STALL AISLE DIMENSIONS	1.5m X 6.0m	1.5m X 6.0m	1.5m X 6.0m
REQUIRED NUMBER OF ACCESSIBLE SPACES	51-75=3 76-100=4	2 REQUIRED 2 PROPOSED	3 REQUIRED 4 PROPOSED



ACCESSIBLE PARKING SIGN



FIRE ROUTE SIGN



KEY PLAN

- NOTES**
- ALL TOPOGRAPHIC & SERVICE INFORMATION COMPILED FROM SURVEY DATA COMPLETED BY SURVEYORS ON SITE INC.
 - THE POSITION & SIZE OF POLE LINES, CONDUITS, WATERMAINS, SEWERS & OTHER UNDERGROUND & ABOVE GROUND UTILITIES & STRUCTURES ARE NOT NECESSARILY SHOWN ON THE DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION & SIZE OF SUCH UTILITIES & STRUCTURES IS NOT GUARANTEED. BEFORE COMMENCING WORK, THE CONTRACTOR SHALL FAMILIARIZE HIMSELF OF THE EXACT LOCATION OF ALL SUCH UTILITIES & STRUCTURES & SHALL ASSUME ALL LIABILITY FROM DAMAGE TO SAME.
 - NO PERSON SHALL CONSTRUCT OR DEMOLISH A BUILDING OR CAUSE A BUILDING TO BE CONSTRUCTED OR DEMOLISHED (INCLUDING SITE SERVICING) UNLESS A BUILDING PERMIT HAS BEEN ISSUED BY THE CHIEF BUILDING OFFICIAL.
 - ABANDONED ENTRANCES TO BE REMOVED AND CURBS / SIDEWALKS RESTORED AS REQUIRED
 - ACCESSIBLE PARKING SPACES TO BE INDICATED WITH PAINTED SYMBOL ON ASPHALT AND EITHER POLE-MOUNT OR BUILDING-MOUNT SIGNS AS PER IMAGE BELOW & IN ACCORDANCE WITH LOCAL BY-LAWS
 - THE OWNER IS RESPONSIBLE FOR THE REMOVAL OF SNOW OFF SITE, AS REQUIRED, TO AVOID ANY CONFLICTS WITH TRUCK MANEUVERING FROM THE LOADING SPACE
 - ALL WORKS INVOLVED IN THE CONSTRUCTION, RELOCATION AND REPAIR OF MUNICIPAL SERVICES FOR THE PROPOSED DEVELOPMENT SHALL BE TO THE SATISFACTION OF THE GENERAL MANAGER OF PUBLIC WORKS.
 - STREET EXCAVATION PERMITS ARE REQUIRED FOR ANY WORK IN CITY RIGHT OF WAY BY ANY CONTRACTOR
 - PRIVATE OWNER/DEVELOPER IS RESPONSIBLE FOR ALL SERVICING, UTILITIES & COSTS.
 - REMOVE CURB & POUR NEW CURB FOR ANY NEW DRIVEWAYS OR DRIVEWAYS TO BE ABANDONED
 - STORM WATER DRAINAGE MUST NOT HAVE A NEGATIVE IMPACT ON ADJACENT PROPERTIES.
 - DRIVEWAY SLOPES MUST BE 8% MAXIMUM, AND SIDEWALK CROSS FALL 2% TO 4% MAXIMUM.
 - NO PERSON SHALL CAUSE OR PERMIT ALTERATION OF A SITE IN THE MUNICIPALITY, WITHOUT HAVING FIRST OBTAINED A SITE ALTERATION PERMIT.

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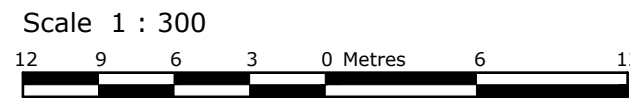
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SURVEY SYMBOLS		STORM, SANITARY, WATER SERVICE SYMBOLS		FIRE HYDRANT		MANHOLE - SANITARY		UTILITY SERVICES SYMBOLS		GRADING SYMBOLS		OTHER SYMBOLS		UNDERGROUND SERVICES	
■ FOUND MONUMENTS	PL REGISTERED PLAN	INV = ## PIPE INVERT DIM.	W WATER VALVE	IS SPRINKLER HEAD	○ MH-S MANHOLE - SANITARY	○ MH-S MANHOLE - SANITARY	○ MH-S MANHOLE - SANITARY	○ GY GAS VALVE	○ GUY HYDRO GUIDE WIRE	EXISTING GRADE (m)	EXISTING GRADE (m)	○ TR TREELINE	○ FP FLAG POLE	ST ST	ST STORM
□ SET MONUMENTS	OU ORIGIN UNKNOWN	W CURB STOP VALVE	CS CURB STOP VALVE	TH TEST HOLE	○ MH-S MANHOLE - SANITARY	○ MH-S MANHOLE - SANITARY	○ MH-S MANHOLE - SANITARY	○ GY GAS VALVE	○ GUY HYDRO GUIDE WIRE	PROPOSED GRADE (m)	PROPOSED GRADE (m)	○ TR TREELINE	○ DP DECORATIVE POLE	S S	S SANITARY
IB IRON BAR	M MEASURED	VC VALVE CHAMBER	VC VALVE CHAMBER	BH BOREHOLE	○ MH-S MANHOLE - SANITARY	○ MH-S MANHOLE - SANITARY	○ MH-S MANHOLE - SANITARY	○ GY GAS VALVE	○ GUY HYDRO GUIDE WIRE	TC = TOP OF CURB	TC = TOP OF CURB	○ TR TREELINE	○ BLR BOLLARD	B B	B BELL / PHONE / CABLE
SB STD. IRON BAR	PROPORTIONED	DR DRAIN	DR DRAIN	TH TEST HOLE	○ MH-S MANHOLE - SANITARY	○ MH-S MANHOLE - SANITARY	○ MH-S MANHOLE - SANITARY	○ GY GAS VALVE	○ GUY HYDRO GUIDE WIRE	BT = BOTTOM OF TIE	BT = BOTTOM OF TIE	○ TR TREELINE	○ PLR PILLAR	P P	P HYDRO
SSB SHORT STD. IRON BAR	WT WITNESS	WELL WATER WELL	WELL WATER WELL	TH TEST HOLE	○ MH-S MANHOLE - SANITARY	○ MH-S MANHOLE - SANITARY	○ MH-S MANHOLE - SANITARY	○ GY GAS VALVE	○ GUY HYDRO GUIDE WIRE	SW = SWALE	SW = SWALE	○ TR TREELINE	○ GP GUARD POST	G G	G GAS
CC CUT CROSS	BM BENCHMARK			TH TEST HOLE	○ MH-S MANHOLE - SANITARY	○ MH-S MANHOLE - SANITARY	○ MH-S MANHOLE - SANITARY	○ GY GAS VALVE	○ GUY HYDRO GUIDE WIRE			○ TR TREELINE	○ PM PARKING METER	W W	W WATER
N&W NAIL & WASHER	OP IRON PIPE			TH TEST HOLE	○ MH-S MANHOLE - SANITARY	○ MH-S MANHOLE - SANITARY	○ MH-S MANHOLE - SANITARY	○ GY GAS VALVE	○ GUY HYDRO GUIDE WIRE			○ TR TREELINE	○ AC AIR CONDITIONER		

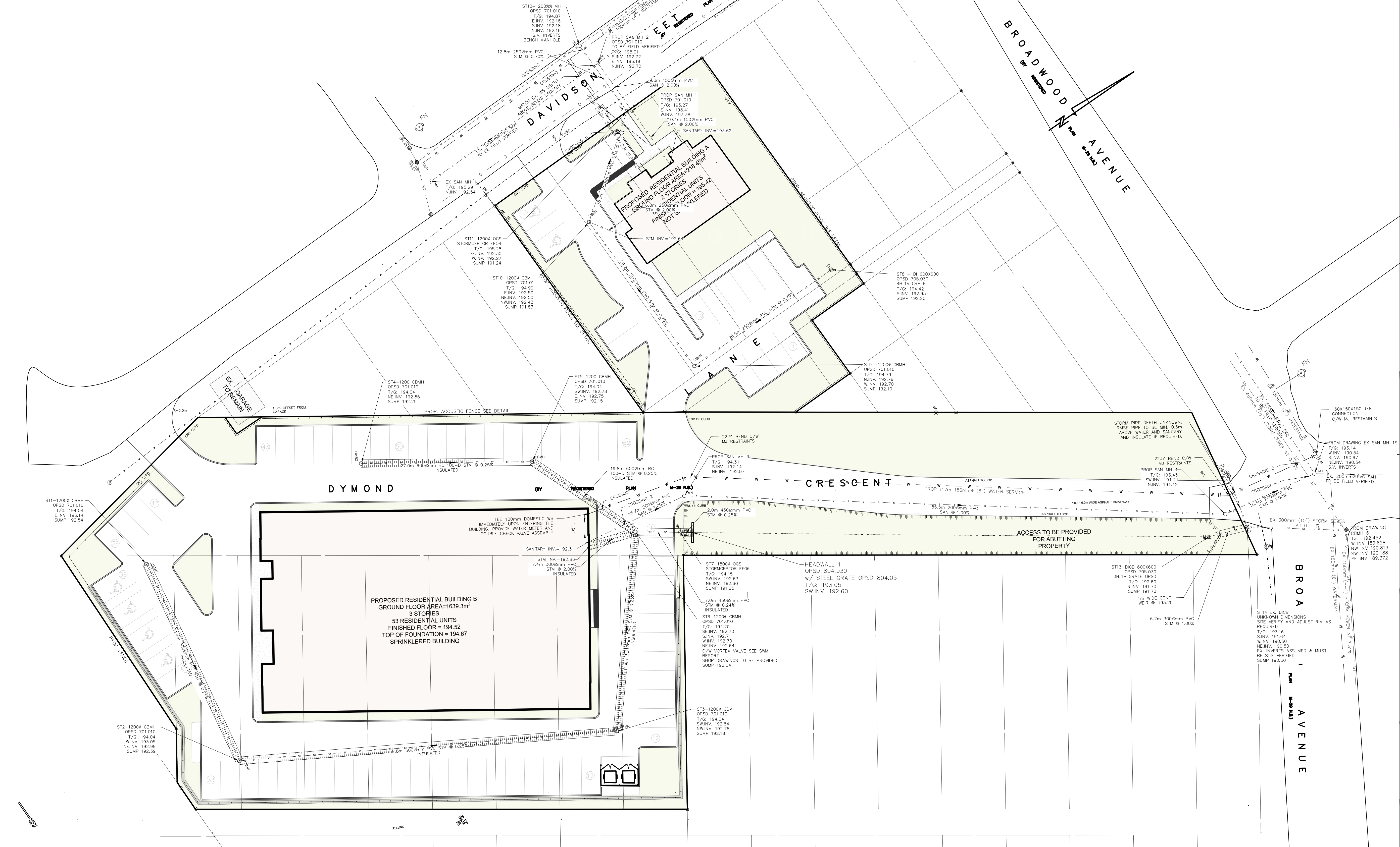
UNDERGROUND SERVICES		PROPERTY LINES	
ST ST	ST STORM	OHV OHV	OHV OVER-HEAD WIRES
S S	S SANITARY	X X X X X X X X	X X X X X X X X SILT FENCING - LIGHT DUTY
B B	B BELL / PHONE / CABLE	X X X X X X X X	X X X X X X X X SILT FENCING - HEAVY DUTY
P P	P HYDRO		
G G	G GAS		
W W	W WATER		
		1.0%	1.0% GRADE SLOPE INDICATOR
		12.1m	12.1m OVERALL DISTANCE (BELOW)

APPENDIX C

Proposed Site Servicing Plan

Crossing No.	Water		Storm		Sanitary		Separation
	elev	inv/obv	elev	inv/obv	elev	inv/obv	
1	192.20	obv.	192.70	inv.	n/a	n/a	0.50
2	n/a	n/a	192.70	inv.	192.45	obv	0.25
3	190.77	inv.	190.27	obv.	n/a	n/a	0.50
4	n/a	n/a	190.26	obv.	190.98	inv.	0.72
5	193.20	inv.	192.58	obv.	n/a	n/a	0.62
6	n/a	n/a	192.45	obv.	192.72	inv.	0.27
7	192.97	inv.	192.43	obv.	n/a	n/a	0.54

NOTE:
1. EXISTING SERVICE DEPTHS ARE INFERRED FROM THE MUNICIPAL PLAN AND PROFILE DRAWING - BROADWOOD - LAKESHORE TO EDITH AS-CONSTRUCTED 1996. EXISTING LOCATION AND DEPTHS OF SERVICES MUST BE SITE VERIFIED.
2. MAINTAIN A MINIMUM 0.5m VERTICAL SEPARATION BETWEEN WATER SERVICES AND SEWERS.



KEY PLAN

NOTES

1. SEE NOTES AND DETAILS ON SHEETS C102 AND C103

1	SUBMISSION 1	2023.10.27	CHM
0	INITIAL RELEASE	2023.08.08	--
REV.	DESCRIPTION	DATE	APPROV BY

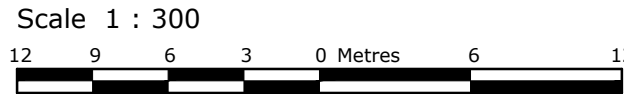
PROJECT

PROPOSED SITE PLAN OF

ALL OF LOTS 215-222, 228-231, 235-236
PART OF LOTS 223 & PART OF LANE
REGISTERED PLAN M-29 N.B.
GEOGRAPHIC TOWNSHIP OF DYMOND
DISTRICT OF TIMISKAMING

129 DAVIDSON STREET
NEW LISKEARD, ONTARIO

CITY FILE NO. NA



UNITS & CONVERSION

ALL DIMENSIONS IN METRES.
(CONVERT TO FEET: DIVIDE BY 0.3048)

ANTECH DESIGN & ENGINEERING GROUP
Engineers and Urban Planners
25 King Street, Brantford, ON. N3T 3C4
www.antechedesign.com

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CLIENT
2844371 ONTARIO INC
1725 THORNTON ROAD NORTH
OSHAWA, ONTARIO

DRAWN:	CHECKED:	DATE:
CHM	JAB	2023.08.08
SHEET:	SITE SERVICE PLAN	
DRAWING NO.	232602 - C201	
REV.	1	

SURVEY SYMBOLS			STORM, SANITARY, WATER SERVICE SYMBOLS			FIRE HYDRANT			MANHOLE - SANITARY			UTILITY SERVICES SYMBOLS			GRADING SYMBOLS			OTHER SYMBOLS			UNDERGROUND SERVICES		
■ FOUND MONUMENTS	PL REGISTERED PLAN		INW = ## PIPE INVERT DIM.			○ IS SPRINKLER HEAD			○ MH-ST MANHOLE - STORM			○ GVR GAS VALVE			EXISTING GRADE (m)			○ TR TREELINE			ST STORM		
□ SET MONUMENTS	OU ORIGIN UNKNOWN		○ W WATER VALVE			○ BH BOREHOLE			○ CBMH CATCH BASIN MANHOLE			○ GMRK GAS MARKER			PROPOSED GRADE (m)			○ SN SIGN (OTHER)			S SANITARY		
IB IRON BAR	M MEASURED		○ CS CURB STOP VALVE			○ MW MONITORING WELL			○ MH-H MANHOLE - HYDRO			○ UP UTILITY POLE			TC = TOP OF CURB			○ RKS RAILWAY SIGN			B BELL / PHONE / CABLE		
SB STD. IRON BAR	PROP PROPORTIONED		○ VC VALVE CHAMBER			○ CUL CULVERT			○ MH-T MANHOLE - TRAFFIC			○ HP HYDRO POLE			BT = BOTTOM OF TIE			○ SN SIGN (OTHER)			P P		
SSB SHORT STD. IRON BAR	WT WITNESS		○ DN DRAIN			○ CB CATCH BASIN			○ MH-B MANHOLE - BELL			○ BP BELL POLE			TW = TOP OF WALL			○ OT TRAFFIC LIGHT			G GAS		
CC CUT CROSS	BM BENCHMARK		○ W WELL			○ CB DOUBLE CATCH BASIN			○ MH-F MANHOLE - FIBER OPTIC			○ LS LIGHT STD.			SW = SWALE			○ TCB TRAFFIC CONTROL BOX			FL FLOOD LIGHT		
N&W NAIL & WASHER	IP IRON PIPE					○ DICB DITCH INLET CATCH BASIN			○ MH UN-SPECIFIED			○ HLS HYDRO LIGHT STD.						○ RSB RAILWAY SIGNAL CTRL BOX			W WATER		

PROPERTY LINES	OVER-HEAD WIRES	SILT FENCING - LIGHT DUTY	SILT FENCING - HEAVY DUTY	SWALE / DIRECTION	GRADE SLOPE INDICATOR
— — — — —	— — — — —	— — — — —	— — — — —	— — — — —	— — — — —
1.0%	12.1m				

APPENDIX D

Sanitary Service Design Sheets

Minimum Permitted Size of Fixture Outlet Pipe and Hydraulic Load for Fixtures

Project: 232602
Date: October 27, 2023

Client: JK Developments
Property: 129 Davidson Street

Reference OBC table 7.4.9.3		Hydraulic Load		
		Waste		
Fixture or Device	Outlet	Fixture	Quantity	Total
	Pipe	Units		
Bathroom group with 6 LPF flush tank		6.00	12.00	72
Bathroom group with greater than 6 LPF flush tank		6.00		
Bathroom group with more than 3 fixtures	1.5"	1.50		
Bathroom sink	1.5"	3.00		
Bathtub with or without shower head	1.5"	1.50		
Bathtub with 3/4 in. spout	1.50	1.50		
Bedpan washer	3.0"	6.00		
Beer cabinet	1.5"	1.50		
Bidet	1.25"	1.00		
Chinese Range	1.5"	3.00		
Clothes washer, 3.5kg		1.50	6.00	9.00
Clothes washer, 6.8kg		2.00		
Clothes washer, commercial		2.00		
Cup sinks	1.25"	0.50		
Dental unit, cuspidor	1.25"	1.00		
Dishwasher, commercial	2"	3.00		
Dishwasher, domestic	1.5"	1.00	6.00	6.00
Drinking fountain or water cooler	1.25"	0.50		
Fish tank or tray	1.5"	1.50		
Floor drain	2"	2.00		
Floor drain	3"	3.00		
Floor drain, funnel	2"	3.00		
Garbage grinder, commercial type	2"	3.00		
Icebox	1.25"	1.00		
Laundry tray single or double	1.5"	1.50		
Lavatory, barber or beauty parlor	1.5"	1.50		
Lavatory, dental	1.25"	1.00		
Lavatory, domestic type single or 2 single with common trap	1.25"	1.00		
Lavatory, domestic type single or 2 single with common trap	1.5"	1.50		
Lavatory multiple or industrial type	1.5"	3.00		
Macerating Toilet System	0.75"	3.00		
Potato Peeler	2"	3.00		
Shower drain from 1 head	1.5"	1.50		
Shower drain from 2 or 3 heads	2"	3.00		
Shower drain from 4 to 6 heads	3"	6.00		

Reference OBC table 7.4.9.3		Hydraulic Load		
		Waste		
Fixture or Device	<u>Outlet</u>	<u>Fixture</u>	<u>Quantity</u>	<u>Total</u>
	<u>Pipe</u>	<u>Units</u>		
Sink, domestic or other small, single or double with common trap	1.5"	1.50	12.00	18.00
Sink, other	1.5"	3.00		
Urinal, pedestal, siphon jet or blowout type	2.00	4.00		
Urinal stall, washout type	2"	2.00		
Urinal wall washout type	1.5"	1.50		
Urinal wall other types	2"	3.00		
Water closet with flush tank	3"	4.00		
Water closet with direct flush	3"	6.00		
Total				105.00

Maximum Permitted Hydraulic Load Drained to a Horizontal Sanitary Drainage Pipe

Reference OBC table 7.4.10.8

Drain Size, Nominal in	Maximum Hydraulic Load, fixture units					
	Slope (ratio of rise over run)					
	1 in 400 0.25%	1 in 200 0.50%	1 in 133 0.75%	1 in 100 1%	1 in 50 2%	1 in 25 4%
3 (80mm)					27	36
4 (100mm)				180	240	300
5 (125mm)			380	390	480	670
6 (150mm)			600	700	840	1300
8 (200mm)		1400	1500	1600	2250	3370
10 (250mm)		2500	2700	3000	4500	6500
12 (300mm)	2240	3900	4500	5400	8300	13000
15 (380mm)	4800	7000	9300	10400	16300	22500

Minimum Permitted Size of Fixture Outlet Pipe and Hydraulic Load for Fixtures

Project: 232602

Client: JK Developments

Date: October 2, 2023

Property: 129 Davidson Street

Reference OBC table 7.4.9.3		Hydraulic Load		
		Waste		
Fixture or Device	<u>Outlet</u>	<u>Fixture</u>	<u>Quantity</u>	<u>Total</u>
	<u>Pipe</u>	<u>Units</u>		
Bathroom group with 6 LPF flush tank		6.00	80.00	480
Bathroom group with greater than 6 LPF flush tank		6.00		
Bathroom group with more than 3 fixtures	1.5"	1.50		
Bathroom sink	1.5"	3.00		
Bathtub with or without shower head	1.5"	1.50		
Bathtub with 3/4 in. spout	1.50	1.50		
Bedpan washer	3.0"	6.00		
Beer cabinet	1.5"	1.50		
Bidet	1.25"	1.00		
Chinese Range	1.5"	3.00		
Clothes washer, 3.5kg		1.50	53.00	79.50
Clothes washer, 6.8kg		2.00		
Clothes washer, commercial		2.00		
Cup sinks	1.25"	0.50		
Dental unit, cuspidor	1.25"	1.00		
Dishwasher, commercial	2"	3.00		
Dishwasher, domestic	1.5"	1.00	53.00	53.00
Drinking fountain or water cooler	1.25"	0.50		
Fish tank or tray	1.5"	1.50		
Floor drain	2"	2.00		
Floor drain	3"	3.00		
Floor drain, funnel	2"	3.00		
Garbage grinder, commercial type	2"	3.00		
Icebox	1.25"	1.00		
Laundry tray single or double	1.5"	1.50		
Lavatory, barber or beauty parlor	1.5"	1.50		
Lavatory, dental	1.25"	1.00		
Lavatory, domestic type single or 2 single with common trap	1.25"	1.00		
Lavatory, domestic type single or 2 single with common trap	1.5"	1.50		
Lavatory multiple or industrial type	1.5"	3.00		
Macerating Toilet System	0.75"	3.00		
Potato Peeler	2"	3.00		
Shower drain from 1 head	1.5"	1.50		
Shower drain from 2 or 3 heads	2"	3.00		
Shower drain from 4 to 6 heads	3"	6.00		

Reference OBC table 7.4.9.3		Hydraulic Load		
		Waste		
Fixture or Device	<u>Outlet</u>	<u>Fixture</u>	<u>Quantity</u>	<u>Total</u>
	<u>Pipe</u>	<u>Units</u>		
Sink, domestic or other small, single or double with common trap	1.5"	1.50	53.00	79.50
Sink, other	1.5"	3.00	6.00	18.00
Urinal, pedestal, siphon jet or blowout type	2.00	4.00		
Urinal stall, washout type	2"	2.00		
Urinal wall washout type	1.5"	1.50		
Urinal wall other types	2"	3.00		
Water closet with flush tank	3"	4.00		
Water closet with direct flush	3"	6.00		
Total				710.00

Maximum Permitted Hydraulic Load Drained to a Horizontal Sanitary Drainage Pipe

Reference OBC table 7.4.10.8

Drain Size, Nominal in	Maximum Hydraulic Load, fixture units					
	Slope (ratio of rise over run)					
	1 in 400 0.25%	1 in 200 0.50%	1 in 133 0.75%	1 in 100 1%	1 in 50 2%	1 in 25 4%
3 (80mm)					27	36
4 (100mm)				180	240	300
5 (125mm)			380	390	480	670
6 (150mm)			600	700	840	1300
8 (200mm)		1400	1500	1600	2250	3370
10 (250mm)		2500	2700	3000	4500	6500
12 (300mm)	2240	3900	4500	5400	8300	13000
15 (380mm)	4800	7000	9300	10400	16300	22500

Sanitary Sewer Design Sheet

Project No.: 232602

Project Address: 129 Davidson Street

Date: October 27, 2023

Average Dry Weather Flow (Residentail)	450	L/cap/d
Average Dry Weather Flow (Employment)	450	L/cap/d
Mannings Roughness Coefficient (n)	0.013	
Harmon Peaking Factor (M)	(1+14/(4+pe^0.5))	
Extraneous Flow	0.30	L/ha/s
Trunk Sewer	Gravity Main	
Building A	6	Units
Building B	53	Units

Design Criteria

Population Equivalents	
Low Density	3.05 ppu
Medium Density	2.47 ppu
High Density	1.60 ppu
Commercial	90 ppha
Institutional	40 ppha
Industrial	125 ppha

Location			Area				Peaking Factor	Pop Flow	Extraneou s Flow	Design Flow	Proposed Sewer						
			Individual		Cumulative						Length	Pipe Size	Type	Grade	Capacity	Full Flow Velocity	Actual Velocity
Street	From MH	TO MH	Pop*	Area (ha)	Pop	Area (ha)	M	Q(p) L/s	Q(i) L/s	Q(d) L/s	m	m		%	L/s	m/s	m/s
Building A to MH1	Building A	MH1	0.015	0.194	0.015	0.194	4.40	0.339	0.058	0.40	10.40	0.150	PVC	2.0%	21.538	1.219	0.424
	MH1	MH2	0.000	0.000	0.015	0.194	4.40	0.339	0.058	0.40	9.30	0.150	PVC	2.0%	21.538	1.219	0.424
Building B to MH3	Building B	MH3	0.131	0.733	0.131	0.733	4.21	2.870	0.220	3.09	15.30	0.200	PVC	2.0%	46.384	1.476	0.709
	MH3	MH4	0.000	0.000	0.131	0.733	4.21	2.870	0.220	3.09	85.10	0.200	PVC	1.2%	35.929	1.144	0.592
	MH5	SAN MH1ex	0.000	0.000	0.131	0.733	4.21	2.870	0.220	3.09	15.20	0.200	PVC	1.2%	35.929	1.144	0.592

*Population in thousands

Flows calculated as per the MOE Guidelines

Design guidelines for sewage works . Toronto: Ontario, Ministry of the Environment, 2008.Print

- Peak Flow
- Q (d)
- P
- M
- q
- I
- A
- Q(d) = (PqM / 86.4) + IA
- Peak domestic sewage flow (including extraneous flows) in L/s
- Design population, in thousands
- Harmon Peaking Factor
- Average daily per capita domestic flow in L/cap·d (exclusive of extraneous flows)
- Unit of peak extraneous flow, in L/(ha·s); applicable references should be consulted for values
- Gross tributary area in hectares

APPENDIX E

Water Service Design Sheets

Fixture Unit Calculations

Project: 232602
Date: October 27, 2023

Client: JK Developments
Property: 129 Davidson Street

<u>Hydraulic Load</u>									
Supply									
Fixture or Device	Supply Size	Fixture Units Private Use Hydraulic Load			Fixture Units Public Use Hydraulic Load			No.	Total
		Cold	Hot	Total	Cold	Hot	Total		
Bathroom group with 6 LPF flush tank	NA	2.7	1.5	3.6				12	43.2
Bathroom group, greater than 6 LPF flush tank	NA	4.00	3.00	6.00					
Bathroom group with more than 3 fixtures	-	-	-						
Bathtub with or without shower head	1/2"	1.00	1.00	1.40	3.00	3.00	4.00		
Bathtub with 3/4 in. spout	3/4"	7.50	7.50	10.00	7.50	7.50	10.00		
Bedpan washer	1"	-	-		7.50	7.50	10.00		
Bidet	3/8"	1.50	1.50	2.00					
Clothes washer, 3.5kg	1/2"	1.00	1.00	1.40	2.25	2.25	3.00	6	8.40
Clothes washer, 6.8kg	1/2"	-	-		3.00	3.00	4.00		
Clothes washer, commercial	-	-	-				6.00		
Dental lavatory	3/8"	-	-		1.50	1.50	2.00		
Dental unit, cuspidor	3/8"	-	-		1.00		1.00		
Dishwasher, commercial	-	-	-				4.00		
Dishwasher, domestic	3/8"	-	1.40	1.40				6	8.40
Drinking fountain or water cooler	3/8"	-			0.25		0.25		
Drinking, coffee machine	1/2"						4.00		
Drinking, ice machine	1"						10.00		
Drinking, iced capichanio machine	1/2"						4.00		
Hose bibb	1/2"	2.50		2.50	2.50		2.50	6	15.00
Hose Bibb	3/4"	3.00		3.00	6.00		6.00		
hose bibb, combination hot and cold	1/2"	1.90	1.90	2.50	1.90	1.90	2.50		
Lavatory, 8.3L/min or less	3/8"	0.50	0.50	0.70	1.50	1.50	2.00		
Lavatory, greater than 8.3L/min	3/8"	0.75	0.75	1.00	1.50	1.50	2.00		
Shower head, 9.5L/min or less per head	1/2"	1.00	1.00	1.40	3.00	3.00	4.00		
Shower head, greater than 9.5 L/min per head	1/2"	1.50	1.50	2.00	3.00	3.00	4.00		
Shower, spray, multi-head, fixture unit per head		1.00	1.00	1.40	3.00	3.00	4.00		
Sink, bar	3/8"	0.75	0.75	1.00	1.50	1.50	2.00		
Sink, clinic service faucet	1/2"				2.25	2.25	3.00		
Sink clinic with direct flush valve	1"				6.00		6.00		
Sink, wall mount eyewash station	1/2"						4.00		

Table A-7.6.3.2.1

Pipe Size Based on the Number of Fixtures Units Served ⁽¹⁾

Water Service. Inches	Water Distribution System. Inches															
		Maximum Allowable Length, m														
		12	18	24	30	46	61	76	91	122	152	183	213	244	274	305
Pressure Range		Number of Fixtures Units Served														
200 to 310 kPa (30 to 45 psi)																
3/4"	1/2"	6	5	4	3	2	1	1	1	0	0	0	0	0	0	0
3/4"	3/4"	18	16	14	12	9	6	5	5	4	4	3	2	2	2	1
3/4"	1"	29	25	23	21	17	15	13	12	10	9	7	6	6	6	6
1"	1"	36	31	27	25	20	17	15	13	12	10	8	6	6	6	6
1 1/2"	1 1/4"	90	68	57	48	38	32	28	25	21	18	15	12	12	11	11
1 1/2"	1 1/2"	151	124	105	91	70	57	49	45	36	31	26	23	21	20	20
2"	1 1/2"	151	151	132	110	80	64	53	46	38	32	27	23	21	20	20
2"	2"	359	329	292	265	217	185	164	147	124	96	70	61	57	54	51
2 1/2"	2 1/2"	445	418	390	370	330	300	280	265	240	220	198	175	158	143	133
311 to 413 kPa (46 to 60 psi)																
3/4"	1/2"	8	7	6	5	4	3	2	2	1	1	1	0	0	0	0
3/4"	3/4"	21	21	19	17	14	11	9	8	6	5	4	4	3	3	3
1"	1"	42	42	41	36	30	25	23	20	18	15	12	10	9	8	8
1 1/2"	1 1/4"	83	83	83	83	66	52	44	39	33	29	24	20	19	17	16
1 1/2"	1 1/2"	151	151	151	151	128	105	90	78	62	52	42	38	35	32	30
2"	1 1/2"	151	151	151	151	150	117	98	84	67	55	42	38	35	32	30
2"	2"	359	359	359	359	359	318	280	250	205	165	142	123	110	102	94
2 1/2"	2 1/2"	611	611	610	580	535	500	470	440	400	365	335	315	285	267	250
Over 413 kPa (60 psi)																
3/4"	1/2"	8	8	7	6	5	4	3	3	2	1	1	1	1	1	0
3/4"	3/4"	21	21	21	21	17	13	11	10	8	7	6	6	5	4	4
1"	1"	42	42	42	42	38	32	29	26	22	18	14	13	12	12	11
1 1/2"	1 1/4"	83	83	83	83	83	74	62	54	43	34	26	25	23	22	21
1 1/2"	1 1/2"	151	151	151	151	151	151	130	113	88	73	51	51	46	43	40
2"	1 1/2"	151	151	151	151	151	151	142	122	98	82	64	51	46	43	40
2"	2"	359	359	359	359	359	359	359	340	288	245	204	172	153	141	129
2 1/2"	2 1/2"	611	611	611	611	611	611	610	570	510	460	430	404	380	356	329

Fixture Unit Calculations

Project: 232602
Date: October 27, 2023

Client: JK Developments
Property: 129 Davidson Street

<u>Hydraulic Load</u>									
Supply									
Fixture or Device	Supply Size	Fixture Units Private Use Hydraulic Load			Fixture Units Public Use Hydraulic Load			No.	Total
		Cold	Hot	Total	Cold	Hot	Total		
Bathroom group with 6 LPF flush tank	NA	2.7	1.5	3.6				53	191
Bathroom group, greater than 6 LPF flush tank	NA	4.00	3.00	6.00					
Bathroom group with more than 3 fixtures	-	-	-						
Bathtub with or without shower head	1/2"	1.00	1.00	1.40	3.00	3.00	4.00		
Bathtub with 3/4 in. spout	3/4"	7.50	7.50	10.00	7.50	7.50	10.00		
Bedpan washer	1"	-	-		7.50	7.50	10.00		
Bidet	3/8"	1.50	1.50	2.00					
Clothes washer, 3.5kg	1/2"	1.00	1.00	1.40	2.25	2.25	3.00	53	74.20
Clothes washer, 6.8kg	1/2"	-	-		3.00	3.00	4.00		
Clothes washer, commercial	-	-	-				6.00		
Dental lavatory	3/8"	-	-		1.50	1.50	2.00		
Dental unit, cuspidor	3/8"	-	-		1.00		1.00		
Dishwasher, commercial	-	-	-				4.00		
Dishwasher, domestic	3/8"	-	1.40	1.40				53	74.20
Drinking fountain or water cooler	3/8"	-			0.25		0.25		
Drinking, coffee machine	1/2"						4.00		
Drinking, ice machine	1"						10.00		
Drinking, iced capichanio machine	1/2"						4.00		
Hose bibb	1/2"	2.50		2.50	2.50		2.50	4	10.00
Hose Bibb	3/4"	3.00		3.00	6.00		6.00		
hose bibb, combination hot and cold	1/2"	1.90	1.90	2.50	1.90	1.90	2.50		
Lavatory, 8.3L/min or less	3/8"	0.50	0.50	0.70	1.50	1.50	2.00		
Lavatory, greater than 8.3L/min	3/8"	0.75	0.75	1.00	1.50	1.50	2.00		
Shower head, 9.5L/min or less per head	1/2"	1.00	1.00	1.40	3.00	3.00	4.00		
Shower head, greater than 9.5 L/min per head	1/2"	1.50	1.50	2.00	3.00	3.00	4.00		
Shower, spray, multi-head, fixture unit per head		1.00	1.00	1.40	3.00	3.00	4.00		
Sink, bar	3/8"	0.75	0.75	1.00	1.50	1.50	2.00		
Sink, clinic service faucet	1/2"				2.25	2.25	3.00		
Sink clinic with direct flush valve	1"				6.00		6.00		
Sink, wall mount eyewash station	1/2"						4.00		

Fixture Unit Calculations

Project: 232602

Client: JK Developments

Date: October 27, 2023

Property: 129 Davidson Street

<u>Hydraulic Load</u>									
Fixture or Device	Supply Size	Supply						No.	Total
		Fixture Units Private Use Hydraulic Load			Fixture Units Public Use Hydraulic Load				
		Cold	Hot	Total	Cold	Hot	Total		
Sink, kitchen, commercial, pr faucet	1/2"				3.00	3.00	4.00		
Sink, kitchen, domestic, 8.3L/min or less	3/8"	1.00	1.00	1.40	1.00	1.00	1.40	53	74.20
Sink, kitchen, domestic, greater than 8.3L/min	3/8"	1.50	1.50	2.00	1.50	1.50	2.00		
Sink, laboratory	3/8"				1.50	1.50	2.00		
Sink, laundry (1 or 2 compartments)	3/8"	1.00	1.00	1.40	1.00	1.00	1.40		
Sink, service or mop basin	1/2"				2.25	2.25	3.00	6	18.00
Sink, washup, per facuet	1/2"				1.50	1.50	2.00		
Urinal, with direct flush	3/4"								
Urinal, with flush tank	3/8"	3.00		3.00	3.00		3.00		
Urinal, with self closing metering valve	1/2"	2.00		2.00	4.00		4.00		
Water closet, 6 LPF or less with Flush tank	3/8"	2.20		2.20	2.20		2.20		
Water closet, greater than 6 LPF with flush tank	3/8"	3.00		3.00	5.00		5.00		
Water closet, with direct flush valve	1"								
Water Expansion Tank	1.5"						4.00		
Water Softener	3/4"						6.00		
Total Fixture Units									441

Table A-7.6.3.2.1

Pipe Size Based on the Number of Fixtures Units Served ⁽¹⁾

Water Service. Inches	Water Distribution System. Inches	Maximum Allowable Length, m														
		12	18	24	30	46	61	76	91	122	152	183	213	244	274	305
		Pressure Range		Number of Fixtures Units Served												
200 to 310 kPa (30 to 45 psi)																
3/4"	1/2"	6	5	4	3	2	1	1	1	0	0	0	0	0	0	0
3/4"	3/4"	18	16	14	12	9	6	5	5	4	4	3	2	2	2	1
3/4"	1"	29	25	23	21	17	15	13	12	10	9	7	6	6	6	6
1"	1"	36	31	27	25	20	17	15	13	12	10	8	6	6	6	6
1 1/2"	1 1/4"	90	68	57	48	38	32	28	25	21	18	15	12	12	11	11
1 1/2"	1 1/2"	151	124	105	91	70	57	49	45	36	31	26	23	21	20	20
2"	1 1/2"	151	151	132	110	80	64	53	46	38	32	27	23	21	20	20
2"	2"	359	329	292	265	217	185	164	147	124	96	70	61	57	54	51
2 1/2"	2 1/2"	445	418	390	370	330	300	280	265	240	220	198	175	158	143	133
311 to 413 kPa (46 to 60 psi)																
3/4"	1/2"	8	7	6	5	4	3	2	2	1	1	1	0	0	0	0
3/4"	3/4"	21	21	19	17	14	11	9	8	6	5	4	4	3	3	3
1"	1"	42	42	41	36	30	25	23	20	18	15	12	10	9	8	8
1 1/2"	1 1/4"	83	83	83	83	66	52	44	39	33	29	24	20	19	17	16
1 1/2"	1 1/2"	151	151	151	151	128	105	90	78	62	52	42	38	35	32	30
2"	1 1/2"	151	151	151	151	150	117	98	84	67	55	42	38	35	32	30
2"	2"	359	359	359	359	359	318	280	250	205	165	142	123	110	102	94
2 1/2"	2 1/2"	611	611	610	580	535	500	470	440	400	365	335	315	285	267	250
Over 413 kPa (60 psi)																
3/4"	1/2"	8	8	7	6	5	4	3	3	2	1	1	1	1	1	0
3/4"	3/4"	21	21	21	21	17	13	11	10	8	7	6	6	5	4	4
1"	1"	42	42	42	42	38	32	29	26	22	18	14	13	12	12	11
1 1/2"	1 1/4"	83	83	83	83	83	74	62	54	43	34	26	25	23	22	21
1 1/2"	1 1/2"	151	151	151	151	151	151	130	113	88	73	51	51	46	43	40
2"	1 1/2"	151	151	151	151	151	151	142	122	98	82	64	51	46	43	40
2"	2"	359	359	359	359	359	359	359	340	288	245	204	172	153	141	129
2 1/2"	2 1/2"	611	611	611	611	611	611	610	570	510	460	430	404	380	356	329

Fire Flow Estimates

Project: 232602
Date: October 27, 2023

Client: JK Developments
Property: 129 Davidson Street

BLD-A

$$F = 220C(A^{0.5})$$

Determine the type of construction

C (coefficient related to type of construction)

- 1.5 Wood Frame Construction
- 1 Ordinary Construction
- 0.8 Non-combustible Construction
- 0.5 Fire Resistive Construction

C = 1

Determine the ground floor area

A (total floor area (m²))

A = 436.9

Determine the required fire flow to the nearest 1,000L/min

1. Base F (liters per minute)

F1 = 5000

Determine the increase or decrease by up to 25% given the combustibility of the contents of the building.

2. E (Contents Occupancy Modifier)

- 25% Non-combustible Contents
- 15% Limited Combustible Contents
- 0% Combustible
- 15% Free Burning
- 25% Rapid Burning

O = -15%

E = 4250

Determine the decrease, if any, for automatic sprinkler protection.

Maximum reduction is 30%.

3. FS (Sprinkler Modifier)

- 50% Fully automatic and supervised sprinkler system
- 30% Sprinkler system designed to NFPA 13

S = 0%

FS = 0

Determine the total increase for exposures

4. G (Exposure Correction Allowance)

	Exposure (m)	% Correction
North	6	20%
South	14.21	15%
East	22.47	10%
West	29.22	10%

E = 55%

G = 2338

Ftotal = 7,000 L/min

Water Supply for Public Fire Protection			
Required Duration of Fire Flow			
Fire Flow Required (litres per minute)		Duration (hours)	
2000 or less		1.00	
3000		1.25	
4000		1.50	
5000		1.75	
6000		2.00	
8000		2.00	
10000		2.00	
12000		2.50	
14000		3.00	
16000		3.50	
18000		4.00	
20000		4.50	
22000		5.00	
24000		5.50	
26000		6.00	
28000		6.50	
30000		7.00	
32000		7.50	
34000		8.00	
36000		8.50	
38000		9.00	
40000 and over		9.50	

Fire Flow Estimates

Project: 232602
Date: October 27, 2023

Client: JK Developments
Property: 129 Davidson Street

BLD-A

$$F = 220C(A^{0.5})$$

Determine the type of construction

C (coefficient related to type of construction)

- 1.5 Wood Frame Construction
- 1 Ordinary Construction
- 0.8 Non-combustible Construction
- 0.5 Fire Resistive Construction

C =	1
-----	---

Determine the ground floor area

A (total floor area (m²))

A =	4917.9
-----	--------

Determine the required fire flow to the nearest 1,000L/min

1. Base F (liters per minute)

F1 =	15000
------	-------

Determine the increase or decrease by up to 25% given the combustibility of the contents of the building.

2. E (Contents Occupancy Modifier)

- 25% Non-combustible Contents
- 15% Limited Combustible Contents
- 0% Combustible
- 15% Free Burning
- 25% Rapid Burning

O =	-15%
-----	------

E = 12750

Determine the decrease, if any, for automatic sprinkler protection.

Maximum reduction is 30%.

3. FS (Sprinkler Modifier)

- 50% Fully automatic and supervised sprinkler system
- 30% Sprinkler system designed to NFPA 13

S =	0%
-----	----

FS = 0

Determine the total increase for exposures

4. G (Exposure Correction Allowance)

	Exposure (m)	% Correction
North	14.8	15%
South	16.9	15%
East	15.79	15%
West	14.98	15%

E = 60%

G = 7650

Ftotal = 20,000 L/min

Water Supply for Public Fire Protection			
Required Duration of Fire Flow			
Fire Flow Required (litres per minute)		Duration (hours)	
2000 or less		1.00	
3000		1.25	
4000		1.50	
5000		1.75	
6000		2.00	
8000		2.00	
10000		2.00	
12000		2.50	
14000		3.00	
16000		3.50	
18000		4.00	
20000		4.50	
22000		5.00	
24000		5.50	
26000		6.00	
28000		6.50	
30000		7.00	
32000		7.50	
34000		8.00	
36000		8.50	
38000		9.00	
40000 and over		9.50	

APPENDIX F

Fire Flow Estimate Design Sheet

Fire Flow Estimates

Project: 232602
Date: October 27, 2023

Client: JK Developments
Property: 129 Davidson Street

BLD-A

$$F = 220C(A^{0.5})$$

Determine the type of construction

C (coefficient related to type of construction)

- 1.5 Wood Frame Construction
- 1 Ordinary Construction
- 0.8 Non-combustible Construction
- 0.5 Fire Resistive Construction

C =	1
-----	---

Determine the ground floor area

A (total floor area (m²))

A =	436.9
-----	-------

Determine the required fire flow to the nearest 1,000L/min

1. Base F (liters per minute)

F1 =	5000
------	------

Determine the increase or decrease by up to 25% given the combustibility of the contents of the building.

2. E (Contents Occupancy Modifier)

- 25% Non-combustible Contents
- 15% Limited Combustible Contents
- 0% Combustible
- 15% Free Burning
- 25% Rapid Burning

O =	-15%
-----	------

E = 4250

Determine the decrease, if any, for automatic sprinkler protection.

Maximum reduction is 30%.

3. FS (Sprinkler Modifier)

- 50% Fully automatic and supervised sprinkler system
- 30% Sprinkler system designed to NFPA 13

S =	0%
-----	----

FS = 0

Determine the total increase for exposures

4. G (Exposure Correction Allowance)

	Exposure (m)	% Correction
North	6	20%
South	14.21	15%
East	22.47	10%
West	29.22	10%

E = 55%

G = 2338

Ftotal = 7,000 L/min

Water Supply for Public Fire Protection			
Required Duration of Fire Flow			
Fire Flow Required (litres per minute)		Duration (hours)	
2000 or less		1.00	
3000		1.25	
4000		1.50	
5000		1.75	
6000		2.00	
8000		2.00	
10000		2.00	
12000		2.50	
14000		3.00	
16000		3.50	
18000		4.00	
20000		4.50	
22000		5.00	
24000		5.50	
26000		6.00	
28000		6.50	
30000		7.00	
32000		7.50	
34000		8.00	
36000		8.50	
38000		9.00	
40000 and over		9.50	

Fire Flow Estimates

Project: 232602
Date: October 2, 2023

Client: JK Developments
Property: 129 Davidson Street

BLD-A

$$F = 220C(A^{0.5})$$

Determine the type of construction

C (coefficient related to type of construction)

- 1.5 Wood Frame Construction
- 1 Ordinary Construction
- 0.8 Non-combustible Construction
- 0.5 Fire Resistive Construction

C =	1
-----	---

Determine the ground floor area

A (total floor area (m²))

A =	4917.9
-----	--------

Determine the required fire flow to the nearest 1,000L/min

1. Base F (liters per minute)

F1 =	15000
------	-------

Determine the increase or decrease by up to 25% given the combustibility of the contents of the building.

2. E (Contents Occupancy Modifier)

- 25% Non-combustible Contents
- 15% Limited Combustible Contents
- 0% Combustible
- 15% Free Burning
- 25% Rapid Burning

O =	-15%
-----	------

E = 12750

Determine the decrease, if any, for automatic sprinkler protection.

Maximum reduction is 30%.

3. FS (Sprinkler Modifier)

- 50% Fully automatic and supervised sprinkler system
- 30% Sprinkler system designed to NFPA 13

S =	0%
-----	----

FS = 0

Determine the total increase for exposures

4. G (Exposure Correction Allowance)

	Exposure (m)	% Correction
North	14.8	15%
South	16.9	15%
East	15.19	15%
West	14.98	15%

E = 60%

G = 7650

Ftotal = 20,000 L/min

Water Supply for Public Fire Protection			
Required Duration of Fire Flow			
Fire Flow Required (litres per minute)		Duration (hours)	
2000 or less		1.00	
3000		1.25	
4000		1.50	
5000		1.75	
6000		2.00	
8000		2.00	
10000		2.00	
12000		2.50	
14000		3.00	
16000		3.50	
18000		4.00	
20000		4.50	
22000		5.00	
24000		5.50	
26000		6.00	
28000		6.50	
30000		7.00	
32000		7.50	
34000		8.00	
36000		8.50	
38000		9.00	
40000 and over		9.50	



GEOTECHNICAL INVESTIGATION REPORT

Proposed Apartment Building

129-131 Davidson Street
Temiskaming Shores, Ontario

Prepared for:

Mr. Paul Loreto
L360 Architecture
1490 Richmond St
London, ON.
N6G 0J4.

Prepared by:

Shaba Testing Services Ltd.
Kirkland Lake, Ontario
January 25, 2022

Our Project Number:

STS 2023-0009

EXECUTIVE SUMMARY

Under the authorization of L360 Architecture, Shaba Testing Services Ltd. (STS), conducted a Geotechnical Investigation at 129 Davidson Street (near the decommissioned school) in Temiskaming Shores, Ontario. The site is at the south- east corner of the lot and the existing parking lot. It is shown in the Goggle map below. The purpose of the investigation was to assess geotechnical parameters in the areas where the proposed apartment complex will be located. The building's approximate footprint is unknown at the time of this investigation. However, the client has indicated a 4-storey barring the results of the geotechnical parameters.

The Geotechnical Investigation took place on January 25, 2023. Four (4) boreholes without monitoring wells were advanced to a depth ranging from 1.21 m to 12.2 m (4 ft. to 40 ft.) at the site until refusal. Additionally, two (2) test pits of size 1.4 m to 1.8 m (4 ft. x 6 ft.) were excavated on the same day to a depth of 2.7m (9 ft). Standard penetration and Field Vane Shear tests were undertaken. Soil samples were collected and submitted for laboratory analyses of some or all of the following parameters: moisture content, grain-size analysis, hydrometer tests, Atterberg Limits, unconfined compressive shear test, and density and chemical analyses.

The stratigraphic profile encountered with increasing depth in the boreholes generally consisted of: Gravelly fill, brown silty clay and blue silty clay of very soft to soft consistency. Bedrock was not encountered at 12.2 m (40ft.) depth in any of the boreholes or the test pit. The brown silty clay surface was encountered at depths ranging from 0.5m to 3 m (0.15 ft. to 10 ft.) at borehole and test pit locations. The blue silty clay was encountered at depths ranging from 3m to 12m at all borehole locations. Slightly wet conditions were encountered in each borehole and test pit, but no sign of groundwater.

Geotechnical design parameters and construction information for foundations and related features are provided herein.

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APPENDICES

Appendix A:

- Photo Gallery

Appendix B:

- Site plan showing Test pit and Borehole locations

Appendix C:

- Borehole log explanation form
- Borehole and Test Pit Logs

Appendix D:

- Selected Soil Sample for Chemical Analysis and Results

Appendix E:

- Laboratory Tests- Summary

Appendix F:

- Earthquake Zoning Hazards

Appendix G

- Suggested Foundation Drawing

1.0 INTRODUCTION

Under the authorization of the L360 Architecture (the Client), Shaba Testing Services Ltd conducted a Geotechnical Investigation located at 129 -131 Davidson Street, New Liskeard, Ontario. The site is intended to be the location of an apartment building and parking lot with the demolition of the existing school. Currently, the lot has an abandoned school building and vast area for playground and parking lot. The purpose of the investigation was to assess geotechnical parameters and, based on the data obtained, to provide a borehole location plan, stratigraphic profiles, records of boreholes, test pits, laboratory test results, and a written description of the subsurface conditions in the area where the building will be located.

The site location is shown on the Google® map below. A site plan showing the borehole locations is presented as Drawing No. 1 in Appendix B of this report.



Google Maps-Showing the approximate site

1.1 Description of Subject Property

The subject property is located on 129 Davidson Street. It has within a decommissioned Catholic School, and to the east the Northdale Manor, to the west, Davidson Street. It is adjoined on the north street of, Dymond Crescent by the residential street – Broadwood Avenue. See photos 1a and 1b.

The Geotechnical Investigation was carried out in winter, in a snow-covered terrain. Frost depth was limited to 0.60 m (2ft) at most at the time of this investigation. The terrain is an uphill looking down at the existing Northdale Manor; there's currently an existing gravel pathway previously used for school busses to traverse through, and the lot has some vegetation cover.

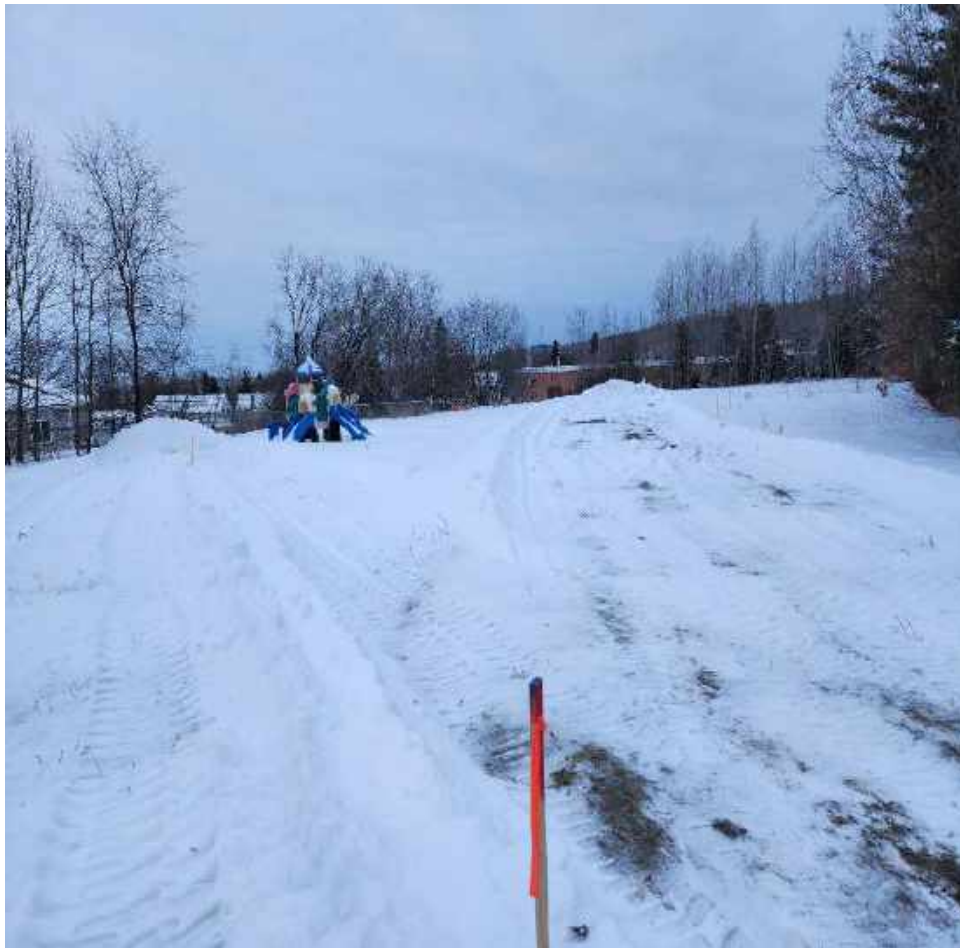


Photo 1A- The site- looking South from the decommissioned school.



Photo 1B- The site looking North-West.

1.2 Proposed Development

We understand that the proposed building is a four (4) storey apartment building with paved parking lots and municipal service connections.

2.0 METHODOLOGY

2.1 General

The investigation was conducted in general compliance with the Canadian Foundation Design Manual and as per the Investigation was also carried out as per the drawing showing proposed locations as provided by the client. Investigation procedures followed generally accepted geotechnical engineering practices.

2.2 Field Activities

Prior to proceeding with the subsurface investigation, utility locates were called for and completed to ensure that all services to the building were uninterrupted. **A review of the submitted site plan drawing showing the proposed building footprint was carried out.** This is shown in the Appendix B of this report, along with the topographical survey of the site including the approximate locations of the test pit and the boreholes.

The field test took place on January 25, 2023. During the investigation, four (4) boreholes, without monitoring wells, were advanced to depths of 12.2m (40 ft). Three (3) boreholes were located to the South of the old school, and one was located to the West, the front of the old school. In addition, two (2) test pits that were advanced to a depth of 2.7 m (9 ft.) at the South of the old school building. **The borehole and test pit locations were established by the STS and confirmed in the field by STS. The locations are shown on our drawing #1 in Appendix B.**

Landcore Drilling advanced the boreholes using a track-mounted drilling rig equipment with hollow-stem continuous flight augers for the overburden drilling to reveal the soil strata. See photos #2, #3 and #4.



Photo #2- Photo Drilling in progress of setting up.

Using the Standard Penetration Test (SPT) and a split-spoon sampler, soil samples were recovered at regular depth intervals in each borehole. SPT N values are used in this report to assess consistency for cohesive soils and relative density for non-cohesive materials.

In cohesive deposits, where the consistency of the soil permitted, relatively undisturbed samples were taken with 70 mm diameter thin-walled (Shelby) tubes, which were pushed into the bottom of the borehole using the hydraulic ram rod of the drill rig. In situ undrained shear strength (c_u) of the soil was measured using than ASTM tapered field vane and standard procedures.

Dynamic Cone Penetration (DCP) was carried out in Boreholes #1 and #4 to assess shear strengths of the subsoils and the approximate depth to bedrock. Dynamic Penetration Resistance is defined as the number of blows required to advance a 51 mm diameter, 60° steel cone fitted to the end of 45 mm OD drill rods , 0.3 m into subsoil. The cone is driven with a 63.5 kg hammer over a fall of 750 mm.

The soil samples were texturally classified in the field, logged and then placed in labelled plastic bags for transport, future reference, laboratory testing, and storage. **Sampling details are presented on the borehole logs in Appendix C.**

Consistent with the requirements of Ontario Regulation 903 under the Water Resources Act, the boreholes were backfilled with a mixture of soil cuttings and bentonite to a depth of 0.5 m below grade and then capped with the remaining soil cuttings.

In addition, on the same day, two test pits were advanced to a depth of 3 m using a backhoe supplied by Demora Construction. See photo # 5. The soil samples from the test pits were texturally classified in the field, logged, and then placed in labelled plastic bags for transport, future reference, laboratory testing, and storage. **Sampling details are also presented on the borehole logs in Appendix C.**

The two test pits were completely backfilled upon the completion of the visual inspection, logging and sampling.



Photo 3- Crew of Landcore Drilling installing and preparing a Vane Shear

2.3 Laboratory Analyses

All soil samples were analyzed for moisture content. Atterberg Limits analysis was conducted on one soil sample to obtain soil plasticity data, and the tube sample was analyzed for unconfined compressive strength and density. Selected soil samples were sent to Chemical Laboratory for analyses.

Summary of the Test Methods and Procedures are shown in Table 2.1 on the next page.

Table 2.1- Test Methods and Procedures

Test	ASTM Standard	Number of samples/borehole
Natural Moisture Content	ASTM D-2216	4
Grain Size Analysis-	ASTM D-422	0
Hydrometer Analysis	ASTM D-422	4
Atterberg' Limits	ASTM D-4318	4
Direct Shear Strength	ASTM D -2166	2
Consolidation Test	ASTM D-2435/D-2435M-11	0
Laboratory Vane Shear Test	ASTM D-2166	2

The minimum number of laboratory tests was set at 25 percent of the samples collected. Low complexity soil tests were completed at our laboratory.

3.0 FINDINGS

3.1 Geology

Based on the information provided by the Kirkland Lake's office of the Ministry of Northern Development, Mines and Forestry (MNDF) Ontario Geological Surveys (OGS) Map # 2050 9 Cobalt Silver Area- Timiskaming District, we can confirm the geological formation of the outcrop prominent on this site and the surficial geology as well. The rock formation was from pre-Cambrian sedimentary- Archean Post-Algoma and Archean -Keewatin. Also, from the regional geologic mapping, the Timiskaming area is regarded as the clay belt. Clay of different consistency based on moisture content is common in this area. **Valve** and blue clay or silty clay are also prominent in this area. Also prominent in some part of New Liskeard, are limestone deposits. This is found mostly in the Rockley hill area of the town. At this **site, 129 Davidson, New Liskeard, Ontario, the soil deposit here will be predominantly soft to stiff brown clay and very soft to soft blue silty clay.** Bedrock was never encountered at a depth of 12.2m(40 ft.) in any of the boreholes.

3.2 Stratigraphy, Groundwater Conditions and Laboratory Test Results

Detailed stratigraphic description, field test results, soil moisture contents, and Atterberg Limits are presented in the borehole logs in Appendix C. The chemical laboratory certificate is in Appendix D

The stratigraphic profile encountered with increasing depth in the boreholes generally consisted of: A layer of gravelly fill, brown silty clay (varved) in both test pits, and blue silty clay in both test pits and boreholes. No ground water was encountered in any of the test pit and boreholes at the completion of drilling and excavation.



Photo 4- Soil Layers. Brown - Varved clay at 8 to 10 ft. depth showing the depth at Borehole #2

3.2.1 Gravelly fill mixed with topsoil.

The gravel layer with trace of organic soil was encountered at almost all the boreholes and test pits. The depth of this granular fill was in the range of 0.30 m to 0.46 m (1-1.5ft). The granular fill thickness did vary between and beyond the borehole and test pit locations, and the limited data presented herein is not suitable for estimating fill quantities. Furthermore, the gravelly fill contains trace of organics and may not be suitable for backfill re-use under foundation or road base.

3.2.2 Brown Silty Clay

The next stratum encountered beneath the granular fill was the brown silty clay in all test pit and borehole locations. It was encountered at a depth of range 0.46 m -3.05 m (1.5 to 10 ft). This layer generally comprised of soft to firm varved clay in consistency. The SPT N-Value(s) for the brown clay recorded was in the range of, 4 – 6 per 300 mm penetration, indicating a soft to firm material. Frost was only encountered at the 0.60 m (2ft) depth from the grade. See photo #4 and #5.

A summary of Atterberg's limits tests for the sample, from the site, at a 1.5 m (5 ft.) depth from the silty clay deposit yield the following index values:

The test results of the brown silty clay from borehole #1, sampled #1, are summarized below:

Gravel (greater than 4.75 mm size)	0 %
Sand (0.075 mm to 4.75 mm) size	8 %
Silt (0.002 mm to 0.075 mm size)	65 % to 72%
Clay (less than 0.002 mm size)	11 % to 20 %

Undrained shear strength was determined by the Unconfined Direct Shear Tests, which ranged from 15 to 35 kPa for the lab test, indicating the consistency of the silty clay deposit is very soft to soft at an average depth of 3 m (10 ft.) from the surface. The sensitivity of the silty clay was less than 4.0, indicating sensitive clay according to CFEM.

Sample #1 at BH #1 at 1.5 m (5 ft.) depth for borehole #1.

Liquid limit (W_L)	42.0 %
Plastic Limit (W_P)	31.9 %
Plasticity Index (I_P)	10.1 %
Moisture Content	35.6 %

From the USCS Classification Chart, the samples may be classified as ML- OL (Inorganic silt with slight plasticity – Inorganic clay of low to medium plasticity). See the rest on the Laboratory Tests-Summary Sheet in Appendix E– of this report.

The sensitivity of the silty clay is in the range of 4- sensitive clay according to Canadian Foundation Engineering (CFEM) Manual 4th Edition - Section 3.1.3.4.

Wet conditions, but not ground water table, were encountered at this depth.



Photo #5- The Soil Strata of granular fill and the Brown Varved clay at 8ft to 10ft.

3.2.3 Blue Silty Clay

Underlying the brown silty clay was a layer of the blue silty clay. It was encountered at a depth of 3.05 m (10ft) to the termination depth of 6.71 m (22ft) in all boreholes. The SPT N values recorded ranged from 0 to 1 blow per 300 mm penetration indicating very soft. The relative density is 1209 kg/m³. The moisture content is in the range of 44% to 52%. The consistency is in the range of very soft to soft. The sample of blue silty clay submitted for plasticity testing indicated it was sensitive.



Photo #5- The blue clay being pushed up from the auger a 10ft to 12ft. depth. Borehole #2

The test results of the blue silty clay from borehole, sampled #4, are summarized below:

Gravel (greater than 4.75 mm size)	0 %
Sand (0.075 mm to 4.75 mm) size	12 %
Silt (0.002 mm to 0.075 mm size)	71 % to 75%
Clay (less than 0.002 mm size)	14 % to 17 %

Undrained shear strength was determined by the Unconfined Direct Shear Tests, which ranged from 15 to 35 kPa for the lab test, indicating the consistency of the silty clay deposit is very soft to soft at an average depth of 3 m (10 ft.) from the surface. The sensitivity of the silty clay was 4.0, indicating sensitive clay according to CFEM.

A summary of Atterberg's limits tests for the samples, from the site, at a 5.8 m (19 ft.) depth from the silty clay deposit yield the following index values:

Sample #4 at BH #1 at 3 m-3.6 m (10- 12 ft.) depth

Liquid limit (W_L)	36.0 %
Plastic Limit (W_P)	32.9 %
Plasticity Index (I_P)	3.1%
Moisture Content	44 % – 53 %

From the USCS Classification Chart, the samples may be classified as ML- OL (Inorganic silt with slight plasticity – Inorganic clay of low to medium plasticity). See the rest on the Laboratory Tests-Summary Sheet in Appendix E– of this report.

The sensitivity of the silty clay is in the range of 4- sensitive clay according to Canadian Foundation Engineering (CFEM) Manual 4th Edition - Section 3.1.3.4

Wet conditions, but not ground water table, were encountered at this sampling depth

3.3 Chemical Laboratory Analytical Testing

Split spoon samples from borehole numbers #2 and #3 and test pit #1 were sent to an independent laboratory for analytical testing comprising pH, sulphate, resistivity and chloride determination and are presented in **Appendix D** of this report. Samples were taken at various depths indicated below. A summary is indicated on Table 3.1.

The concentration of water-soluble sulphate within the selected soil samples tested do not exceed the limit of 0.1 %, above which CSA A.23 recommends the use of sulphate resistant cement. Hence, the use of sulphate resistant concrete is not required. The resistivity, pH and chloride content indicated should be thoroughly review by experts in those disciplines.

Table 3.1 - Analytical Results for Test pit samples

Sample Location	pH	Sulfide	Electrical Conductivity (2:1)	Chloride Content μ g/g	Sulphate μ g/g	Resistivity (2:1)
TP #1 (7-8ft)	7.55	<0.3	172	6.5	9.9	5820
BH #2 (5-7ft)	7.44	<0.3	155	1.5	2.2	6460
BH #3 (10-12ft)	7.75	<0.3	254	14.8	39.5	3940

4.0 DISCUSSION

In general, the subsurface conditions encountered at all boreholes within the presumed footprints of the structures consisted of three (3) layers. The granular fill, brown silty clay deposit and the blue silty clay deposit of varying moisture content. Of all the soil types encountered, only the brown silt clay will provide a reasonable bearing capacity for the foundation, and the limitation of this apartment building will be two storey with no basement.

5.0 DESIGN AND CONSTRUCTION RECOMMENDATIONS

5.1 General Design Parameters

Soil conditions and recommended parameters for general design are summarized in the following table:

Table 5.1

Summarized Soil Conditions				Design Parameters		
Description	Depth (m)	Minimum SPT N-Value	BH'S	Cohesion C_u (Kpa)	Friction Angle, (Degrees)	Density (Kg/m ³)
Granular Fill	≤ 0.3	8-11	1 and 2	0	28	1900
Compact Fill	≥ 1.0	8-11	1 and 2	0	31	1950
Brown Silty Clay	≥ 3.0	11 -29	1 and 2	15	0	1750

5.2 Foundations

Soil conditions above the brown silty clays deposit at 1.6 m (5ft) depth were fill materials mixed with topsoil and organics, and not suitable for the support of foundations or subbases. The brown sit clay will be competent to support slab on grade foundation with soil modification with engineering fill.

For foundations set on engineering fill, the non -factored geotechnical resistance to ULS can be calculated using the following equation shown in Section 10.2.1 of the 2013 edition of the Canadian Foundation Engineering Manual (CFEM).

$$q_u = c N_c S_c + q_s N_q S_q + \frac{1}{2} \gamma' B N_y S_y$$

Where q_u = Ultimate bearing capacity (kPa)

c = soil cohesion(kpa)

N_c, N_q, N_y = dimensionless bearing capacity factors

S_c, S_q, S_y : dimensionless modification factors to take into account the shape, slope, depth of foundation and soil slope.

q_s = vertical stress applied at the foundation level

γ = unit weight of soil (kN/m³)

B = width of foundation (m)

The geotechnical parameters to be used in the preceding equation, for the calculation of ULS geotechnical resistance, are presented in Table 5.2 below.

Table 5.2- Geotechnical Parameters

Soils	Geotechnical Parameters						
	c	ϕ	N_c	N_q	N	γ	γ'
Engineering Fill	0	36	51	38	23 or 44	23 kN/m ³	13.2

5.2.1 Sub-Base Preparation for slab on grade foundation.

- a. Excavate to the depth of 1.5 m (5ft) from the surface or until the brown silty deposit is encountered.
- b. The exposed surface must be homogeneous and inspected by this office.
- c. Proof rolled the surface before placing one **layer of geotextile separator** (nonwoven, FOS 50 to 100 µm on top of it to prevent migration of fines.)
- d. Backfill with engineering fill, Granular B, sub- base at a lift of not more than 0.60 m. The Granular B material must conform to OPSS SP110F13.
- e. If the entire lift of Granular B would be 0.60 m, then we recommend a sub lift of 0.20 m maximum, compacted to 100% SPMDD.
- f. The Granular B material must be compacted to 95 % Standard Proctor Dry Density (SPDD) at a moisture content that can not deviate by 2% from the optimum moisture content (OMC).
- g. The top of the Granular B must be capped by 0.6 m of Granular A compacted to 100 % SPDD.

Table 5.3 - Limit States Analysis

Footing	Dimensions (mm)	ULS (Kpa)	SLS (kPa) assumes 25 mm settlement	Founding Depth (m)
Slab on grade	Not applicable	200 (3000 Psf)	80 (1600 psf)	1.90 - 2.0 or >

The resistance at the SLS will usually allow for 25 mm of compression of the founding medium. And differential settlement will be expected to be less than 75 % of the SLS value above the ground water table (GWT). These are based on the criteria in the Canadian Foundation Engineering Manual (4th Edition). In any event, fluctuation of water table will affect the final settlement.

Or in Working Stress Design (WSD) an allowable bearing capacity of 100 kPa (2000 psf) will be recommended for the foundation design. The foundation must bear on top of the compacted engineering fill as describe above.

The design bearing capacity will be reduced to 80 kPa ULS and 75 kPa SLS if water table is encountered with the founding grade. The Working stress design will be about 50 kPa (1000 psf).

5.2.2 Conventional Spread Footings on granular compacted Granular Fill

Conventional spread footings bearing on the granular soils may be employed to support the foundation loads at this site. The foundation should be at an elevation of 1.5 m (5ft) or more from the grade, with adequate insulation, to avoid frost penetration. Based on the test pit and borehole data, the unfactored ULS and SLS values (Limit States Design) for the various foundation sizes, constructed near the same elevation as the existing, are shown in Table 5.4 below.

Table 5.4 – Limit States Analysis

Footing	Dimensions (mm)	ULS (kPa) Unfactored	SLS (kPa) assumes 25 mm settlement
Strip Footing	2000 mm wide or less	225	80
Mat Foundation	Not Applicable	200	80

- Excavate down to 1.2 m (4ft) of granular soil layer.
- Place a layer of geotextile-Terrafix 270 R or equivalent TE-4 Non-woven Titan on the excavated surface.
- Place a layer of geogrid- Terrafix BX 1500 or equivalent Titan earthgrid 16.
- Place two layers of geogrid along critical load gridlines
- Place 300 mm of Granular A, backfill, proof rolled.
- Place the footing on the compacted Granular A layer.
- Place adequate rigid insulation.

The resistance at the SLS will usually allow for 25 mm of compression of the founding medium. And differential settlement will be expected to be less than 75 % of the SLS value above the ground water table (GWT). This are based on criteria in the Canadian Foundation Engineering Manual (4th Edition). In any event, fluctuation of water table will affect the final settlement.

Or in Working Stress Design (WSD) an allowable bearing capacity of 100 kPa will be recommended for the foundation design. The foundation must bear on top of the in-situ /native silty clay or compacted engineering fill or 300 mm of 19 mm clear stones if water table is encountered. The design bearing capacity will be reduced to 100 ULS and 75 kpa SLS. The Working stress design will be about 50 Kpa.

The recommended Modulus of subgrade reaction will be in the range of 10- 30 Mpa/m, (CFEM Table 7.1). However, k_s , 20 Mpa/m is a reasonable assumption.

Alternatively, k_s can be derived from $E_s / B (1 - \nu^2)$; E_s = static stress-strain modulus, (50 Mpa will be assumed), poison ratio, $\nu = 0.3$, B is the width of the footing.

We can provide a full subgrade design if water table is encountered within the founding elevation. This may include, depending on the consistency of the encountered founding grade, the use of geogrid- usually TBX 1500, geotextile as indicated, and 19 mm clear stones entirely wrapped in geotextile or mud slab (lean concrete) . But in many cases, 300 mm of 19 mm should be adequate.

5.3 Grade Supported Slabs (if required)

Alternatively, grade supported slabs can be used to support the foundation. However, the slab on grade should bear on adequately compacted granular surface as listed above. A 200 to 300 mm layer of 19 mm clear stone should be placed between the prepared subgrade and the floor slab to serve as a moisture barrier. This will also minimized any capillary action from the subgrade.

5.4 Bedrock

Bedrock was not encountered in any boreholes that were probed. However, should bedrock be encountered during actual construction, the following foundations options are presented for consideration.

5.5 Dowels and Anchor Rock Requirements-Option 1

Should bedrock be encountered during construction, footings bearing on the rock or grouted rock anchors would be suitable foundation system. The maximum allowable bearing pressure for footings founded on sound met a sediment bedrock would be as indicated earlier. The maximum allowable adhesion for rock anchors in compression or tension would be 700 kPa. For rock anchors, the required bond length (L) is the most critical calculations. The length, L, in meters is a function of the core hole diameter (d), and the equation for calculation as a s follows:

$$L = P / (\pi \times d \times \zeta)$$

L= embedment length (m)

P= Load capacity of rock anchors, (kN)

$$\pi = 3.14$$

The d = core hole diameter (m)

The ζ = allowable adhesion stress (Kpa)

An example to determine the embedment required for #35 M bar in 50 mm diameter hole will be calculated as follows:

$$T_{r35 M} = 0.85 \times (1000 \text{ mm}^2) \times 400 \text{ Mpa} / 1000 = 340 \text{ kN}$$

340 kN is the resistance of the 35 M bar.

$$C = \pi \times d = \pi \times (50 \text{ mm})^2 = 157 \text{ mm} = 0.157 \text{ m}$$

$$\begin{aligned} \text{Embedment Required} = L &= 340 \text{ kN} / (700 \text{ Kpa} \times (0.157 \text{ m})) \\ &= 3.1 \text{ m.} \end{aligned}$$

Pull out tests are normally required during construction of rock anchors, and they are strongly recommended here. Our office can be of assistance.

5.6 Caissons or Circular Augured Footings-Option 2

Caissons are prefabricated box or cylinder pushed into ground and filled with concrete. Although some deposit of the clayey silt material is above water table, it is our opinion that the seepage of water through this deposit will be small, and it will be possible to install caissons by advancing liners through the clayey silt overburden and turning to form a seal. Two of many advantages of caissons include greater uplift capacity because of increased weight and increased shear and moment capacity.

All caissons/circular footings, more than 3 m (10 ft) will have to be hand-cleaned and visually inspected before pouring of concrete.

The current Occupational and Safety Act requires that steel liners be used for hand cleaning and visual inspection of the caissons. It is, therefore recommended that all caissons should be at least 760 mm (2.5 ft) in diameter for down hole cleaning and inspection.

5.7 Driven Piles and Helical Piles -Option 3

Driven piles equipped with reinforced tips driven with a suitable hammer to refusal in the bedrock is another foundation design consideration. Our recommendations are as follows:

1. We recommend end-bearing HP steel piles for the exterior wall load bearing support or heavy-wall, small diameter, steel pipe piles.
2. Suggested size may be HP 310 X 79 (12 X 53). For 350 W steel, the allowable force will be 3493 kN, and for 300 W steel, the allowable force will be 2995 kN. Suggested size for steel pipe will be a typical 194 mm O.D. by 13 mm wall thickness steel pile which would support a working capacity of at least 700 kN when driven to practical refusal in the bedrock provided good seating is achieved.
3. Pile capacity may be estimated during driving by using dynamic equation. One of the most widely used dynamic equations is the ENR formula. The Engineering News Formula (often called Engineering News –Record- ENR) can be used to calculate the ultimate estimated pile capacity and with a factor of safety of 6, the allowable pile capacity can be calculated.

ENR formula $Q_{ult} = e_h \cdot E_h / s + C$

Q_{ult} = Ultimate estimated capacity

The e_h = hammer efficiency when E_h is given; ranges from 1.0 to 0.6 depending on the condition of the hammer

The s = set or penetration per blow of hammer (usually for the last 5 or 10 blows as an average)

The C = depending on type of hammer and the units of E_h . For drop hammer, $s = 0.0254$ in meters and 1.00 in inches.

OR alternatively, another ENR pile driving formula may be utilized.

$$Q_a = 2 W_r H / S + C$$

Q_a = allowable pile capacity, lb

W_r = weight of ram, lb

H = height of fall of ram, ft.

S = amount of pile penetration per blow, in/blow

$C = 1.0$ for drop hammer

$C = 0.1$ for steam hammer

4. Because of danger of relaxation of pile capacity because of upward groundwater movements, at least 20% of the piles should be re-struck to ensure that relation is not a problem; a contingency to re-strike all piles should be allowed should this phenomenon occur in all cases.
5. Pile caps with appropriate reinforcement should consist of 600 mm x 600 mm grade beam around the perimeter of the interior slab on grade. The piles should be adequately tied into the grade beam.
6. Settlements of well designed and installed piles, driven to practical refusal, are expected to be small and should not exceed normally tolerated limits. Differential movements are not expected to be significant. Moreover, the foundations are expected to react elastically and thus virtually all settlements will take place during construction.
7. Helical piles can be designed by the supplier to support the building as an alternative to the above H-Piles.

5.8 Lateral Earth Pressures

Any foundation and walls must be designed to resist lateral earth pressure. For initial design, the lateral earth pressures P in Kpa at any depth h of a permanent retaining wall is given by the following expression:

$$P = k (Y h + q) + y_w h$$

P = lateral earth pressure in Kpa

K = coefficient of earth pressure (active or passive) Rankine or Coulomb

$Y = \text{Gamma} = \text{the unit weight of backfill (kN/m}^3\text{)} = 20.9 \text{ kN/m}^3$ value may be assumed.

Or net gamma, Y_{net} , where water table is encountered= $Y_{\text{net}} = Y - y_w$

y_w = unit weight of water (9.81 kN/m³)

h = depth to point of interest, m

q = surcharge load in Kpa acting adjacent to the wall at the ground surface.

Table 5.5- List of various estimated earth pressure.

Soil Type	Angle Of internal Friction, Degrees, Θ	Soil Unit Weight kN/m ³	Earth Pressure Coefficient, k		
			Active k_a	Passive k_p	At rest k_o
Granular A	37	22	0.25	4.0	0.38
Granular B Type I	34	21	0.28	3.7	0.42
Granular B Type II	37	21	0.24	4.2	0.38

5.9 Frost Protection

In Temiskaming Shores area, the freezing index is approximately **1,802** C degree-days. There is the possibility that up to 2.5 m of frost penetration can occur over the cold winter months in open areas, and 2.0 m for heated structures.

All proposed municipal services, subject to frost penetration and founded on approved soil subgrade, must be supplied with earth cover for frost protection to the anticipated depths of frost penetration noted above.

If sufficient cover (horizontal and vertical) cannot be provided for frost protection, equivalent Expanded Extruded Polystyrene or synthetic insulation (Styrofoam HI-40 or equivalent) may be used in conjunction with available soils cover to provide frost protection. Usually, two layer of 50 mm thick SM insulation will suffice. The minimum compressive strength of the insulation should be 275 Kpa and an R-Value of 5 for every 25 mm of thickness. Any exposed insulation should be protected against sunlight and physical damage. For every 25 mm of rigid insulation, its equivalent is 450 mm of soil cover. Note that the insulation for unheated structures should extend below the entire structure.

5.10 Adequate Drainage

It is recommended that adequate subdrain system should be installed throughout the perimeter of the foundation if required. However, drains are not required for the proposed building with no basement. Foundation drains should be a minimum of 100 mm diameter perforated pipe surrounded by a geotextile and embedded in filter sand or 19 mm clear crushed stone. Additionally, the grade adjacent to the buildings/structures must be adequately sloped away, to promote surface drainage away from the building/structures.

5.11 Seismic Design

The lean silty clay soil encountered at this site would be considered as cohesive soils. The average Standard Penetration Resistance of the overburden fill would be between 21 and 73. With respect to seismic design and the 2012 Ontario Building Code (O. Reg. 350/06 under the Building Code Act), Table 4.1.8.4.A, which considers average properties in the upper 30 m, it is recommended that the Site Class 'D' (stiff soil) be considered for design. See [Appendix F](#) for a map of Earthquake Zoning Hazards

6.0 GENERAL CONSTRUCTION INFORMATION

6.1 Excavation Slopes

It is anticipated that excavation for the proposed foundations, underground services, etc. will extend through the fill and into the native silty clay, and clayey silt. The excavation within the overburden may be undertaken with a mechanical shovel.

Cobbles and boulders would be encountered in the fill and their presence may influence the progress of excavation. Consequently, provision should be made in the contract documents to cover any delays caused by boulder obstruction.

Excavations may be undertaken as "open-cut", as long as it complies with the requirement of the current Occupational Health and Safety Act (OSHA). Typically, the fill, compact silt and firm to stiff clayey silt are considered Type 3 soil. The very stiff to hard clayey silt/silt is considered to be Type 2 to Type 1. The weakest material in an excavation site will prevail. Based on the encountered conditions at this site, the lean silty-clay/clayey silt would be Type 3 soil under the *Ontario Occupational Health and Safety Act and Regulations for Construction Projects* (O. Reg. 213/91). Beneath the lean silty clay or approaching the water table, the soils would generally be Type 4, i.e. soft or loose, and wet.

6.2 Groundwater, Groundwater Seepage

Groundwater was not observed in all boreholes during drilling on January 25, 2023. It was not observed during the test pit excavation or boreholes. No cave-in was observed or measured upon completion of the drilling and excavation.

Ground water table would be expected to be 6.70 m depth from the grade. Should the expected depth of excavation for the building or any other underground structures equals or exceeds 36.70 m, significant excavation dewatering may be anticipated. We estimated up to 1500 to 2000 Liters per day. This can be easily controlled by utilizing sumps and filtered pumps within the footprint of excavation. Furthermore, a permit to take water (PTW) would not be a requirement for this project. However, if more than 50, 000 Liters per day or so, a permit will be required from the MOE. Drawdown should be limited to the range of 600 to 650 mm to 1 m. In any event, successful Contractor should be required to submit a dewatering plan to be reviewed by this office.

Groundwater levels may fluctuate subject to seasonal variations, precipitation, runoff, and for this site, in response to changes in the level of the water level of the lake Temiskaming .

6.3 Hydraulic Conductivity

The estimated hydraulic conductivity," k ", of the clay soils at this site may be estimated as follows in the table 2 below.

Table 6.1-

Material Type	Estimated Hydraulic Conductivity in cm/s
Silty Sand	10^{-4} to 10^{-6}
Silty Clay/Clayed Silt	$< 10^{-6}$
Granular Fill	Variation based on composition

6.4 Excavation Equipment

It is expected that excavations in the overburden can be carried out using regular earthwork equipment.

6.5 Backfill Material

The excavated topsoil and silty clay materials are not considered suitable for re-use as backfill for the building but can be used passed the spring line for the effluent pipe. Thin layer of the gravel and medium to coarse sand fill may be not considered for reuse as fill material.

6.6 Pipe Bedding and Trenching for Pipes

It is understood that the depth of effluent pipe installation would be in order of 2.5 to 3.0 m below the existing grades. The entirety of the trench will be in the moist to saturated, sensitive silty clay soil zone. The silty clay should provide a reasonable structural support for the trench bottom, the bedding, cover and pipe installation. Sheet piles should be considered, at this depth, to shore-up the trench walls during construction. Bedding and pipe installations are to be in accordance with the relevant OPSDs and /or municipal bedding detail specifications and standards in the tender document. In most cases, either Class C or Class B bedding will be adequate. Typically, granular A materials are used for bedding up to the spring-line.

The side slopes of conventional unsupported trench excavations would be dependent on the local soil conditions. In general, it is recommended side slopes be cut back to a minimum 1H:1V from the base of excavation. For deeper excavation, (3.0 m or more) , the use of either sheet piles or trench box should be seriously considered. If seepage zone or saturated silty clay soils are encountered, the flatter side slopes may be required. Alternatively, a steel trench box or a sheet pile could be used to stabilize the slope during construction.

Where super saturated or weaker soils are encountered, the use of sheet pile shoring, as an alternative, may be required to help stabilize the trench. Weaker soils can be modified by using geogrid such as TBX 1500 and/or geotextile such as Terrafix 300 R or equivalent.

For an area or part thereof subjected to rising ground water table, the buoyancy effects must be of interest and design consideration. In this instance, the submerged soil unit weight can be taken as $(20 \text{ kN/m}^3 - 9.81 \text{ kN/m}^3) = 10 \text{ kN/m}^3$. A plan of action or techniques must be in place for the potential for uncontrolled water that would be likely trapped in the service trenches. Such technique could involve the use of impervious collars or bentonite with cement /sand mixture.

The degree of stability of a steeply cut excavated trench wall decreases with time and, therefore, construction should be directed at minimizing the length of time service trenches are left open. Ground water seepage from the sides of the trenches and from the base of excavation

is to be expected. Conventional dewatering of excavated trenches using collection sumps and pumps may be necessary for trenches extending below the depth of the ground water table (GWT, or into sensitive saturated silty clay.

It is expected that native soils will be used at this site as backfill for economic reasons. The native soils will likely consist of a mix of silty clay and fill. For the most part, the native soils are marginally suitable for use as trench backfill above the spring-line, if they can be moisture-conditioned to achieve specified levels of compaction during placement. Soil used as trench backfill should be free of organics, and be placed in thin lifts with a nominal thickness of 200 mm. It should be uniformly compacted to a minimum of 95 per cent of the SPMDD. Generally, settlement of 1 to 2 percent of the fill thickness is expected for soils compacted to 95 percent of SPMDD.

6.7 Recommended Design for Access Roads and Parking Lots

All deleterious surficial materials (i.e., fill, organic etc.) should be stripped from below the area of influence of the pavement structure down to about 1.5 m. Once the site is stripped of deleterious materials down to approved subgrade, place a layer of geotextile, 370 R or equivalent, on the subgrade, then proceed with Granular B-Type II not exceeding lifts of 300 mm and compacted to at least 98 % SPMDD to the design grade elevation. Provided the subgrade is properly prepared and is uniform, we recommend the following pavement structure.

Table 6.2 – Recommended Pavement Structure

Pavement Structure	Access Routes	Parking Area
SuperPave 12.5 surface Course	40 mm	40 mm
SuperPave 12.5 surface Binder	40 mm	40mm
Base Granular A	150 mm (6")	150 mm (6")
Subbase Granular B-Type I	450 mm (18 ")	600 (24")

7.0 SUMMARY

Four (4) boreholes, without monitoring wells, were advanced to depths ranging from 1.98 m to 6.7 m (6.5 ft -22 ft.). Additionally, two (2) test pits that were advanced to a depth of 2.7 m (9 ft.) with a backhoe. The test pit exposes the two soil- granular fill and brown silty clay strata. The test pits were not excavated deep enough to expose the third stratum.

Standard penetration testing (on boreholes #1 to #4) and field vane shear tests were undertaken. Soil samples were collected and submitted for laboratory analyses of some or all the following parameters: moisture content, Atterberg Limits, unconfined compressive strength, and density.

The stratigraphic profile encountered with increasing depth in the boreholes and test pit generally consisted of: gravelly fill mixed with top soil, brown varved silty clay from soft to firm at a depth of 3m (10 ft), and blue silty clay of very soft to soft consistency. Ground water table was not encountered in any boreholes immediately below the termination depth of 6.71 m (40 ft.) depth. Bedrock was never encountered.

Geotechnical design parameters and construction information for foundations, and related features are provided herein.

8.0 CLOSURE

This report has been prepared in accordance with generally accepted geotechnical engineering practices for the exclusive use of the L360 or its client. Information collected herein was obtained while conducting an authorized geotechnical investigation at the property designated as 129 Davidson St, Temiskaming Shores. Note that the data were collected at specific locations and subsurface conditions may vary at other locations. In addition, groundwater table seasonal fluctuation may impact the characteristics of the native soil.

The recommendations and comments presented in this report are based on the subsoil conditions encountered during our site visit. The recommendations/comments are intended for the guidance of our client. Although we consider this report to be representative of the subsurface conditions, there may well be a slight differentiation in soil material property that would become obvious during excavation.

Any use and/ or interpretation of the data presented in this report, any decisions made on it by the third party are the responsibility of the third party. Shaba Testing Services responsibilities are limited to the accurate interpretation of the soil conditions prevailing in the locations investigated and accept no responsibility for the loss of time and damages, if any, suffered by the third party, because of the decisions or actions based on this report.

This report and all portions thereof shall be treated as confidential and shall not be used in any manner or for any purpose or be provided to any third party without the express written consent of L360 or its client.

We trust the above report is adequate. Should you require further information, please do not hesitate to contact us.

Respectfully submitted,

Lad Shaba, B.Sc, M.A (Ed) CET, P. Eng.

Shaba Testing Services Ltd

Principal/Senior Geotechnical and Structural Engineer

Appendix A:

- Photo Gallery













Appendix B

- Site plan showing test pit and borehole locations

PRELIMINARY

Appendix C

- **Borehole Log Explanation Form**
- **Borehole & Test Pit Logs**

BOREHOLE LOG EXPLANATION FORM

This explanatory section provides the background to assist in the use of the borehole logs. Each of the headings used on the borehole log is briefly explained.

DEPTH

This column gives the depth of interpreted geologic contacts in metres below ground surface.

STATIGRAPHIC DESCRIPTION

This column gives a description of the soil based on a tactile examination of the samples and/or laboratory test results. Each stratum is described according to the following classification and terminology.

<u>Soil Classification*</u>		<u>Terminology</u>	<u>Proportion</u>
Clay	<0.002 mm		
Silt	0.002 to 0.06 mm	“trace” (e.g. trace sand)	<10%
Sand	0.06 to 2 mm	“some” (e.g. some sand)	10% - 20%
Gravel	2 to 60 mm	adjective (e.g. sandy)	20% - 35%
Cobbles	60 to 200 mm	“and” (e.g. and sand)	35% - 50%
Boulders	>200 mm	noun (e.g. sand)	>50%

*Extension of MIT Classification system unless otherwise noted.

The use of the geologic term “till” implies that both disseminated coarser grained (sand, gravel, cobbles, or boulders) particles and finer grained (silt and clay) particles may occur within the described matrix.

The compactness of cohesionless soils and the consistency of cohesive soils are defined by the following:

<u>COHESIONLESS SOIL</u>		<u>COHESIVE SOIL</u>		
Compactness	Standard Penetration Resistance “N”, Blows / 0.3 m	Consistency	Standard Penetration Resistance “N”, Blows / 0.3 m	Undrained Shear Strength (cu) (kPa)
Very Loose	0 to 4	Very Soft	0 to 2	0 to 12
Loose	4 to 10	Soft	2 to 4	12 to 25
Compact	10 to 30	Firm	4 to 8	25 to 50
Dense	30 to 50	Stiff	8 to 15	50 to 100
Very Dense	Over 50	Very Stiff	15 to 30	100 to 200
		Hard	Over 30	Over 200

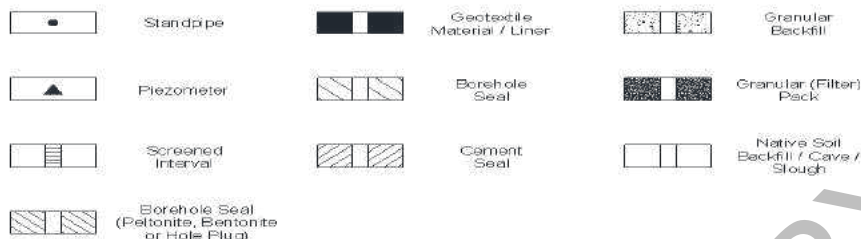
The moisture conditions of cohesionless and cohesive soils are defined as follows:

COHESIONLESS SOILS

Dry
Moist
Wet

COHESIVE SOILS

DTPL - Drier Than Plastic Limit
APL - About Plastic Limit
WTPL - Wetter Than Plastic Limit



Saturated

MWTPL - Much Wetter Than Plastic Limit

STRATIGRAPHY

Symbols may be used to pictorially identify the interpreted stratigraphy of the soil and rock strata.

MONITOR DETAILS

This column shows the position and designation of standpipe and/or piezometer ground water monitors installed in the borehole. Also the water level may be shown for the date indicated.

When monitors are placed in separate boreholes, these are shown individually in the "Monitor Details" column. Otherwise, monitors are in the same borehole. For further data regarding seals, screens, etc., the reader is referred to the summary of monitor details table.

SAMPLE

These columns describe the sample type and number, the "N" value, the water content, the percentage recovery, and Rock Quality Designation (RQD) of each sample obtained from the borehole where applicable. The information is recorded at the approximate depth at which the sample was obtained. The legend for sample type is explained below.

SS = Split Spoon	GS = Grab Sample
TW = Thin Walled Shelby Tube	CS = Channel Sample
AS = Auger Flight Sample	WS = Wash Sample
CC = Continuous Core	RC = Rock Core
PH = TW Advanced Hydraulically	

$$\% \text{ Recovery} = \frac{\text{Length of Core Recovered Per Run}}{\text{Total Length of Run}} \times 100$$

Where rock drilling was carried out, the term RQD (Rock Quality Designation) is used. The RQD is an indirect measure of the number of fractures and soundness of the rock mass. It is obtained from the rock cores by summing

the length of core recovered, counting only those pieces of sound core than are 100 mm or more in length. The RQD value is expressed as a percentage and is the ratio of the summed core lengths to the total length of core run. The classification based on the RQD value is given below.

<u>RQD Classification</u>	<u>RQD (%)</u>
Very poor quality	<25
Poor quality	25 - 50
Fair quality	50 - 75
Good quality	75 - 90
Excellent quality	90 - 100

TEST DATA

The central section of the log provides graphs which are used to plot selected field and laboratory test results at the depth at which they were carried out. The plotting scales are shown at the head of the column.

Dynamic Penetration Resistance – The number of blows required to advance a 51 mm diameter, 60° steel cone fitted to the end of 45 mm OD drill rods, 0.3 m into the subsoil. The cone is driven with a 63.5 kg hammer over a fall of 750 mm.

Standard Penetration Resistance – Standard Penetration Test (SPT) “N” Value – The number of blows required to advance a 51 mm diameter standard split-spoon sampler 300 mm into the subsoil, driven by means of a 63.6 kg hammer falling freely a distance of 750 mm. In cases where the split spoon does not penetrate 300 mm, the number of blows over a distance of actual penetration in millimetres is shown as xBlows

mm

Water Content – The ratio of the mass of water to the mass of oven-dry solids in the soil expressed as a percentage.

W_p - Plastic Limit of a fine-grained soil expressed as a percentage as determined from the Atterberg Limit Test.

W_L - Liquid Limit of fine-grained soil expressed as a percentage as determined from the Atterberg Limit Test.

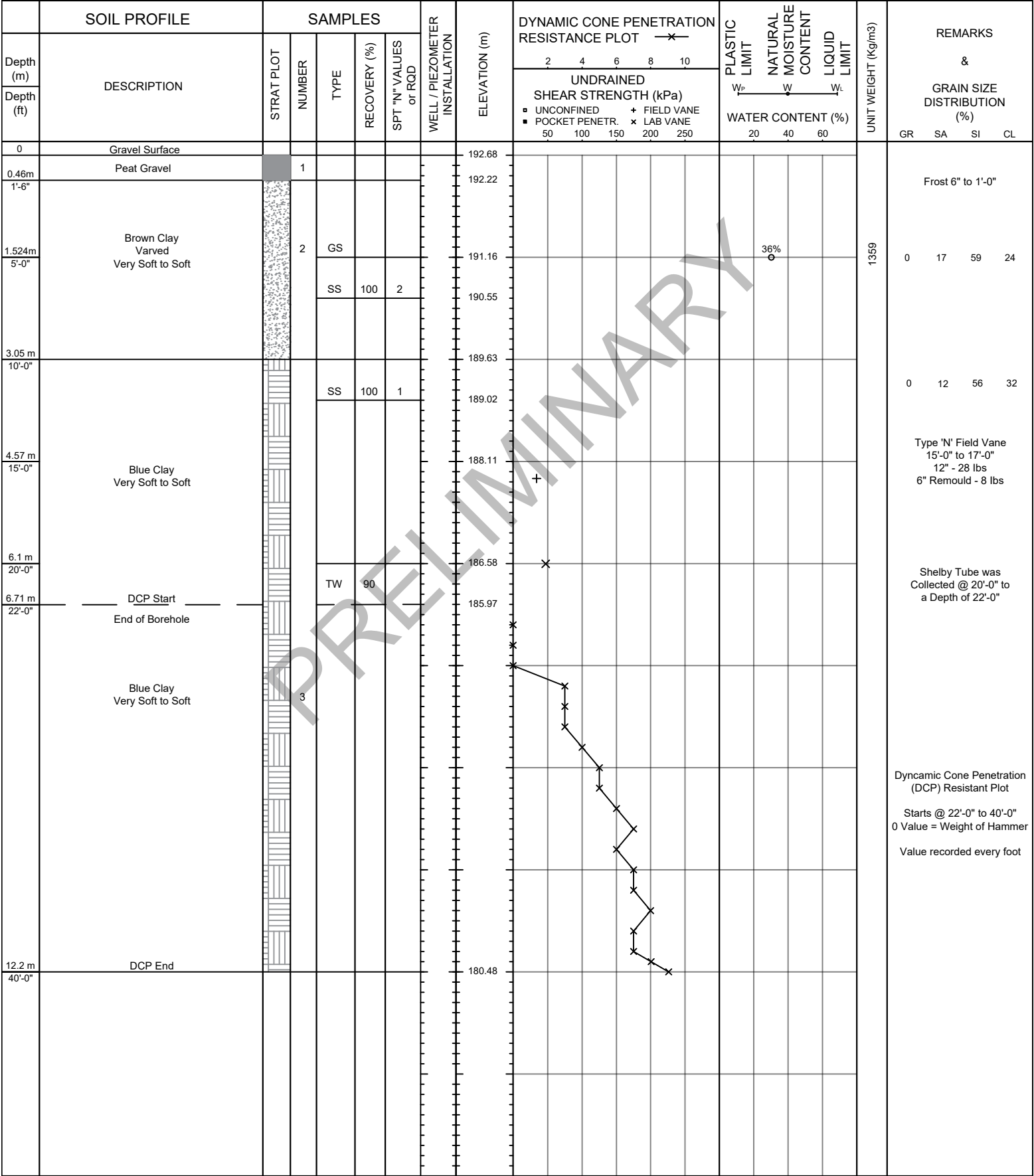
REMARKS

The last column describes pertinent drilling details, field observations, and/or provides an indication of other filed or laboratory tests that were performed.



PROJECT	New 4 Storey Building			ENGINEER	LS	
CLIENT	L360			TEST PIT METHOD	Borehole	
LOGGED BY	TC / B.Allen			PROJECT NO.	STS 2023-0009	
DRILLER	Landcore Drilling			LOCATION	129 Davidson St., Playground, New Liskeard	
COMPILED BY	TC			ELEVATION	192.68m	
COORD.	N 5262078.61, E 599373.87			BORING DATE	January 25, 2023	
CHECKED BY	L.Shaba					

SAMPLE TYPES			RC	Rock Core	ABBREVIATIONS			P.L.	Point Load Strength Index (f_{50})			
AU	Auger		SS	Split Spoon	P.P.	Pocket Penetrometer	RQD	Rock Quality Designation	C	Consolidation		
BU	Bulk		TW	Thin Walled Open (Shelby)	U.W.	Wet Unit Weight	SCR	Solid Core Recovery	DS	Direct Shear		
GS	Grab		WS	Wash Sample	PT	Standard Proctor Test	k	Permeability	GS	Grain Size Analysis		



PROJECT	New 4 Storey Building				ENGINEER	LS	
CLIENT	L360		TEST PIT METHOD	Borehole	LOGGED BY	TC/ B.Allen	
PROJECT NO.	STS 2023-0009	DRILLER	Landcore Drilling	LOCATION	129 Davidson St., Playground, New Liskeard	COMPILED BY	TC
ELEVATION	192.89 m	COORD.	N 5262097.91, E 599372.39	BORING DATE	January 25, 2023	CHECKED BY	L.Shaba

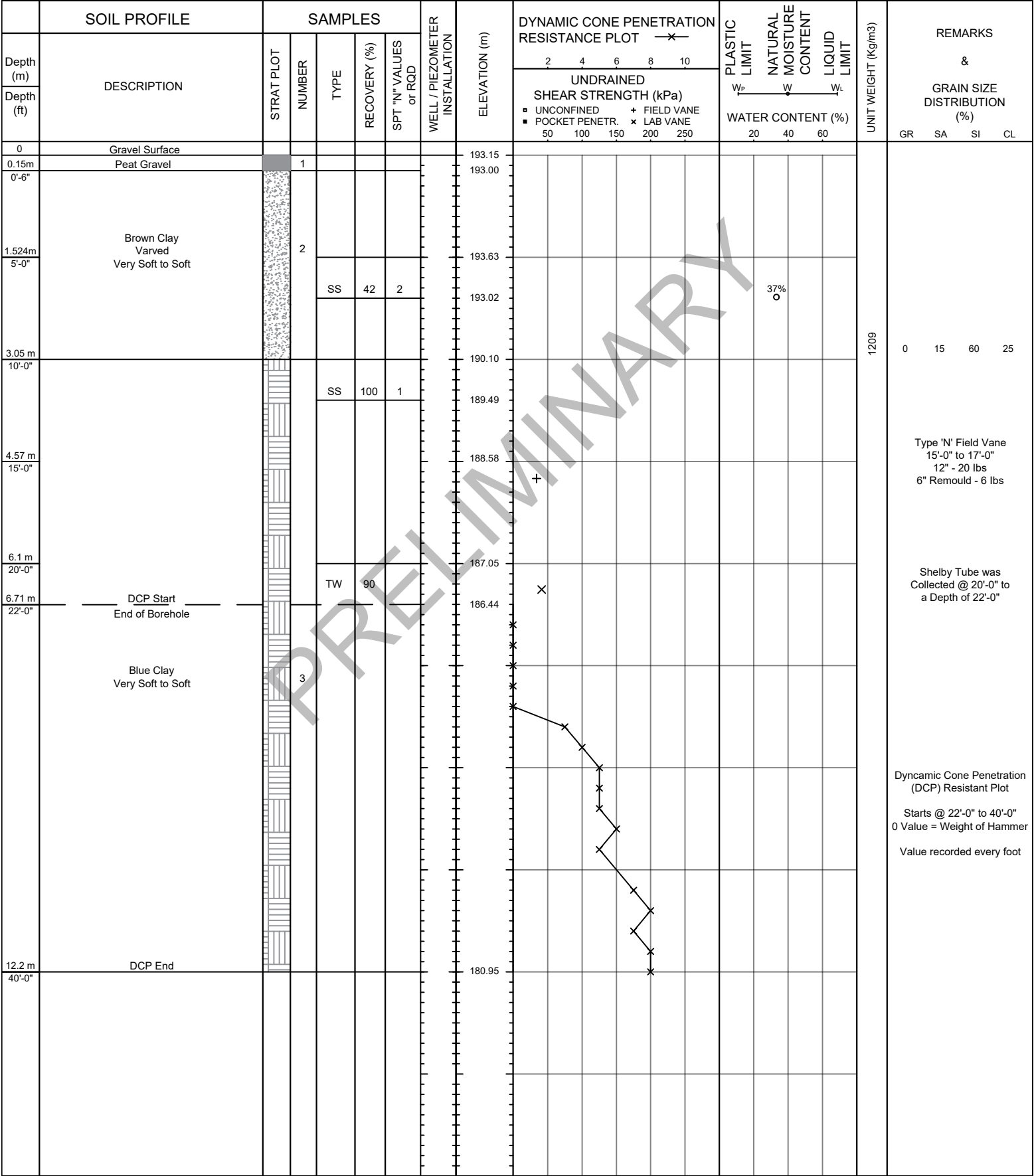
SAMPLE TYPES			RC	Rock Core	ABBREVIATIONS			P.L.	Point Load Strength Index (f_{50})		
AU	Auger		SS	Split Spoon	P.P.	Pocket Penetrometer	RQD	Rock Quality Designation	C	Consolidation	
BU	Bulk		TW	Thin Walled Open (Shelby)	U.W.	Wet Unit Weight	SCR	Solid Core Recovery	DS	Direct Shear	
GS	Grab		WS	Wash Sample	PT	Standard Proctor Test	k	Permeability	GS	Grain Size Analysis	

SOIL PROFILE		SAMPLES					WELL / PIEZOMETER INSTALLATION	ELEVATION (m)	DYNAMIC CONE PENETRATION RESISTANCE PLOT		PLASTIC LIMIT	NATURAL MOISTURE CONTENT	LIQUID LIMIT	UNIT WEIGHT (Kg/m3)	REMARKS & GRAIN SIZE DISTRIBUTION (%)						
Depth (m)	DESCRIPTION	STRAT PLOT	NUMBER	TYPE	RECOVERY (%)	SPT "N" VALUES or RQD			UNDRAINED SHEAR STRENGTH (kPa)						W _p	W	W _L	GR	SA	SI	CL
Depth (ft)									UNCONFINED POCKET PENETR.	FIELD VANE LAB VANE											
0	Gravel Surface							192.89													
0.3m 1'-0"	Peat Gravel		1	GS				192.59													
1.524m 5'-0"	Brown Clay Varved Very Soft to Soft		2	GS				191.37			35%			1289	0	17	59	24			
				SS	96	2		190.76			37%										
3.05 m 10'-0"				GS				189.84			40%			1209	0	15	60	25			
				SS	100	1		189.23													
4.57 m 15'-0"	Blue Clay Very Soft to Soft Wet		3					188.32													
				SS	100	0		187.71													
6.1 m 20'-0"								186.79													
6.71 m 22'-0"	End of Borehole			SS	100	0		186.18													
				</																	



PROJECT	New 4 Storey Building				ENGINEER	LS	
CLIENT	L360		TEST PIT METHOD	Borehole	LOGGED BY	TC/ B.Allen	
PROJECT NO.	STS 2023-0009	DRILLER	Landcore Drilling	LOCATION	129 Davidson St., Playground, New Liskeard	COMPILED BY	TC
ELEVATION	193.15 m	COORD.	N 5262126.90, E 599376.91	BORING DATE	January 25, 2023	CHECKED BY	L.Shaba

SAMPLE TYPES			RC	Rock Core	ABBREVIATIONS			P.L.	Point Load Strength Index (f_{50})			
AU	Auger		SS	Split Spoon	P.P.	Pocket Penetrometer	RQD	Rock Quality Designation	C	Consolidation		
BU	Bulk		TW	Thin Walled Open (Shelby)	U.W.	Wet Unit Weight	SCR	Solid Core Recovery	DS	Direct Shear		
GS	Grab		WS	Wash Sample	PT	Standard Proctor Test	k	Permeability	GS	Grain Size Analysis		



PROJECT	New 4 Storey Building				ENGINEER	LS	
CLIENT	L360		TEST PIT METHOD	Borehole	LOGGED BY	TC/B.Allen	
PROJECT NO.	STS 2023-0009	DRILLER	Landcore Drilling	LOCATION	129 Davidson St., Parking Lot, New Liskeard	COMPILED BY	TC
ELEVATION	193.83 m	COORD.	N 5262166.68, E 599337.37	BORING DATE	January 25, 2023	CHECKED BY	L.Shaba

SAMPLE TYPES		RC	Rock Core	ABBREVIATIONS		P.L.	Point Load Strength Index (f_{50})		
AU	Auger	SS	Split Spoon	P.P.	Pocket Penetrometer	RQD	Rock Quality Designation	C	Consolidation
BU	Bulk	TW	Thin Walled Open (Shelby)	U.W.	Wet Unit Weight	SCR	Solid Core Recovery	DS	Direct Shear
GS	Grab	WS	Wash Sample	PT	Standard Proctor Test	k	Permeability	GS	Grain Size Analysis

SOIL PROFILE		SAMPLES				WELL / PIEZOMETER INSTALLATION	ELEVATION (m)	DYNAMIC CONE PENETRATION RESISTANCE PLOT — ✕ —	PLASTIC LIMIT NATURAL MOISTURE CONTENT LIQUID LIMIT	UNIT WEIGHT (Kg/m ³)	REMARKS & GRAIN SIZE DISTRIBUTION (%)		
Depth (m)	DESCRIPTION	STRAT PLOT	NUMBER	TYPE	RECOVERY (%)			SPT "N"-VALUES or RQD				2 4 6 8 10	W _p W W _L
Depth (ft)												UNDRAINED SHEAR STRENGTH (kPa) ▪ UNCONFINED + FIELD VANE ▪ POCKET PENETR. x LAB VANE 50 100 150 200 250	WATER CONTENT (%) 20 40 60
0	Gravel Surface												
0.3m 1'-0"	Granular Fill		1					193.83					
0.8m 2'-6"	Brown Clay Varved Soft		2	SS	67	6		193.53					
1.524m 5'-0"										193.03			
				SS	58	2				192.31			
										191.70			
3.05 m 10'-0"	Blue Clay		3	SS	100	1		190.78					
3.66 m 12'-0"	End of Borehole							187.12					

PROJECT	New 4 Storey Building				ENGINEER	LS	
CLIENT	L360		TEST PIT METHOD	Backhoe	LOGGED BY	TC	
PROJECT NO.	STS 2023-0009	DRILLER	Demorra	LOCATION	129 Davidson St., Playground, New Liskeard	COMPILED BY	TC
ELEVATION	192.82	COORD.	N 5262090.84, E 599374.89	BORING DATE	January 25, 2023	CHECKED BY	L.Shaba

SAMPLE TYPES		RC	Rock Core	ABBREVIATIONS		P.L.	Point Load Strength Index (f_{50})		
AU	Auger	SS	Split Spoon	P.P.	Pocket Penetrometer	RQD	Rock Quality Designation	C	Consolidation
BU	Bulk	TW	Thin Walled Open (Shelby)	U.W.	Wet Unit Weight	SCR	Solid Core Recovery	DS	Direct Shear
GS	Grab	WS	Wash Sample	PT	Standard Proctor Test	k	Permeability	GS	Grain Size Analysis

[illegible]

PROJECT	New 4 Storey Building				ENGINEER	LS	
CLIENT	L360		TEST PIT METHOD	Backhoe	LOGGED BY	TC	
PROJECT NO.	STS 2023-0009	DRILLER	Demorra	LOCATION	129 Davidson St., Playground, New Liskeard	COMPILED BY	TC
ELEVATION	193.02 m	COORD.	N 5262119.47, E 599379.51	BORING DATE	January 25, 2023	CHECKED BY	L.Shaba

SAMPLE TYPES		RC	Rock Core	ABBREVIATIONS		P.L.	Point Load Strength Index (f_{50})		
AU	Auger	SS	Split Spoon	P.P.	Pocket Penetrometer	RQD	Rock Quality Designation	C	Consolidation
BU	Bulk	TW	Thin Walled Open (Shelby)	U.W.	Wet Unit Weight	SCR	Solid Core Recovery	DS	Direct Shear
GS	Grab	WS	Wash Sample	PT	Standard Proctor Test	k	Permeability	GS	Grain Size Analysis

[illegible]

Appendix D:

Selected Soil Sample for Chemical Analysis and Results

Work Order #	Sample #	Sample Date	Matrix	Sample Description	Method	Parameter	MDL	Result	Units	Received Date	Analysis Date
489456	1846829	1/25/2023	Soil	TP #1 7'-8'	Anions Soil (A5)	Chloride	0.4	6.5	µg/g	1/30/2023	2/7/2023
489456	1846829	1/25/2023	Soil	TP #1 7'-8'	Anions Soil (A5)	Chloride (Dup)	0.4	5.7	µg/g	1/30/2023	2/7/2023
489456	1846829	1/25/2023	Soil	TP #1 7'-8'	Anions Soil (A5)	Sulphate	0.4	9.9	µg/g	1/30/2023	2/7/2023
489456	1846829	1/25/2023	Soil	TP #1 7'-8'	Anions Soil (A5)	Sulphate (Dup)	0.4	8.4	µg/g	1/30/2023	2/7/2023
489456	1846829	1/25/2023	Soil	TP #1 7'-8'	Cond Soil (R12)	Conductivity	1	172	µS/cm	1/30/2023	2/6/2023
489456	1846829	1/25/2023	Soil	TP #1 7'-8'	Cond Soil (R12)	Conductivity (Dup)	1	172	µS/cm	1/30/2023	2/6/2023
489456	1846829	1/25/2023	Soil	TP #1 7'-8'	Moisture (A99)	% Moisture	0.1	24.9	%	1/30/2023	2/3/2023
489456	1846829	1/25/2023	Soil	TP #1 7'-8'	pH Soil (R2)	pH	N/A	7.55	pH	1/30/2023	2/1/2023
489456	1846829	1/25/2023	Soil	TP #1 7'-8'	RedOx - Soil (A6)	RedOx (vs. S.H.E.)	N/A	490	mV	1/30/2023	2/3/2023
489456	1846829	1/25/2023	Soil	TP #1 7'-8'	Resistivity Soil (R12)	Resistivity	N/A	5820	ohm-cm	1/30/2023	2/7/2023
489456	1846829	1/25/2023	Soil	TP #1 7'-8'	Special Testing (A99)	Custom Analysis	N/A	See Comments	NA	1/30/2023	2/7/2023
489456	1846830	1/25/2023	Soil	TP #1 7'-8'	Sulphide/S (R98)	Sulphide	0.3	<0.3	µg/g	1/30/2023	2/6/2023
489456	1846830	1/25/2023	Soil	BH #2 5'-7'	Anions Soil (A5)	Chloride	0.4	1.5	µg/g	1/30/2023	2/7/2023
489456	1846830	1/25/2023	Soil	BH #2 5'-7'	Anions Soil (A5)	Sulphate	0.4	2.2	µg/g	1/30/2023	2/7/2023
489456	1846830	1/25/2023	Soil	BH #2 5'-7'	Cond Soil (R12)	Conductivity	1	155	µS/cm	1/30/2023	2/6/2023
489456	1846830	1/25/2023	Soil	BH #2 5'-7'	Moisture (A99)	% Moisture	0.1	24.6	%	1/30/2023	2/3/2023
489456	1846830	1/25/2023	Soil	BH #2 5'-7'	pH Soil (R2)	pH	N/A	7.44	pH	1/30/2023	2/1/2023
489456	1846830	1/25/2023	Soil	BH #2 5'-7'	pH Soil (R2)	pH (Dup)	N/A	7.42	pH	1/30/2023	2/1/2023
489456	1846830	1/25/2023	Soil	BH #2 5'-7'	RedOx - Soil (A6)	RedOx (vs. S.H.E.)	N/A	493	mV	1/30/2023	2/3/2023
489456	1846830	1/25/2023	Soil	BH #2 5'-7'	Resistivity Soil (R12)	Resistivity	N/A	6460	ohm-cm	1/30/2023	2/7/2023
489456	1846830	1/25/2023	Soil	BH #2 5'-7'	Special Testing (A99)	Custom Analysis	N/A	See Comments	NA	1/30/2023	2/7/2023
489456	1846831	1/25/2023	Soil	BH #3 10'-12'	Sulphide/S (R98)	Sulphide	0.3	<0.3	µg/g	1/30/2023	2/6/2023
489456	1846831	1/25/2023	Soil	BH #3 10'-12'	Anions Soil (A5)	Chloride	0.4	14.8	µg/g	1/30/2023	2/7/2023
489456	1846831	1/25/2023	Soil	BH #3 10'-12'	Anions Soil (A5)	Sulphate	0.4	39.5	µg/g	1/30/2023	2/7/2023
489456	1846831	1/25/2023	Soil	BH #3 10'-12'	Cond Soil (R12)	Conductivity	1	254	µS/cm	1/30/2023	2/6/2023
489456	1846831	1/25/2023	Soil	BH #3 10'-12'	Moisture (A99)	% Moisture	0.1	28.3	%	1/30/2023	2/3/2023
489456	1846831	1/25/2023	Soil	BH #3 10'-12'	pH Soil (R2)	pH	N/A	7.75	pH	1/30/2023	2/1/2023
489456	1846831	1/25/2023	Soil	BH #3 10'-12'	RedOx - Soil (A6)	RedOx (vs. S.H.E.)	N/A	344	mV	1/30/2023	2/3/2023
489456	1846831	1/25/2023	Soil	BH #3 10'-12'	Resistivity Soil (R12)	Resistivity	N/A	3940	ohm-cm	1/30/2023	2/7/2023
489456	1846831	1/25/2023	Soil	BH #3 10'-12'	Special Testing (A99)	Custom Analysis	N/A	See Comments	NA	1/30/2023	2/7/2023
489456	1846831	1/25/2023	Soil	BH #3 10'-12'	Sulphide/S (R98)	Sulphide	0.3	<0.3	µg/g	1/30/2023	2/6/2023
489456	1846831	1/25/2023	Soil	BH #3 10'-12'	Sulphide/S (R98)	Sulphide (Dup)	0.3	<0.3	µg/g	1/30/2023	2/6/2023

- **Laboratory Tests- Summary**

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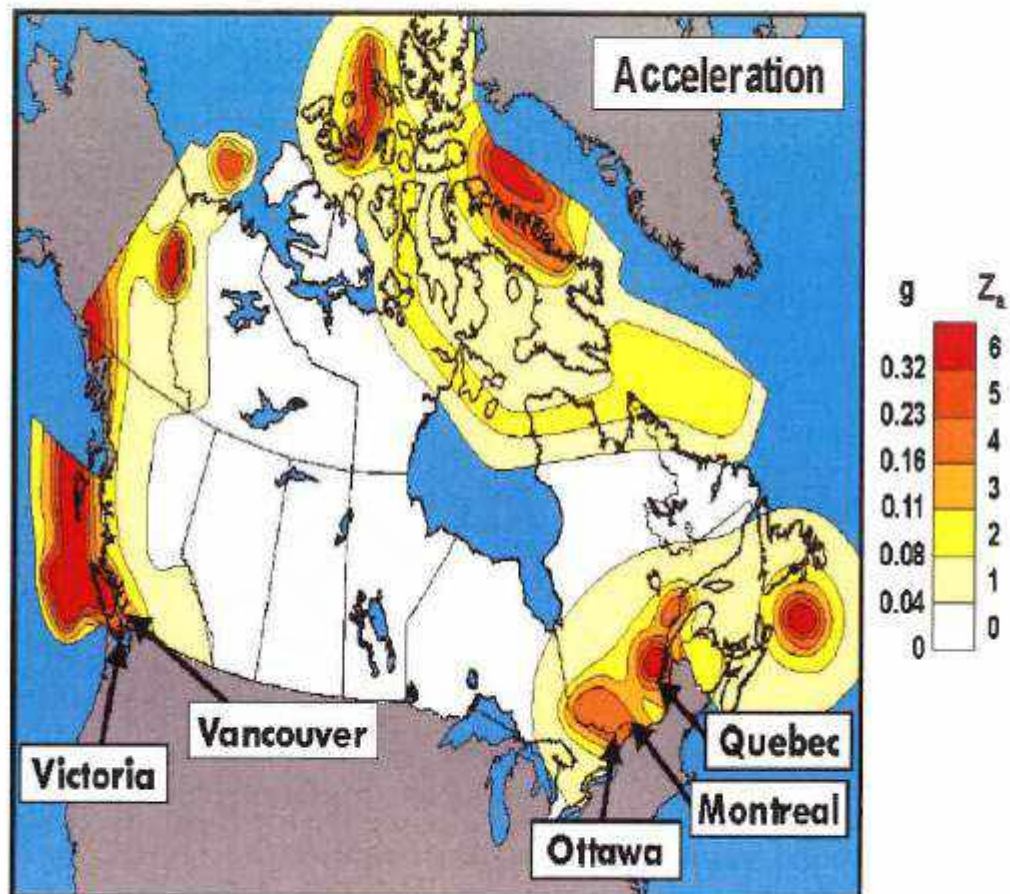
Laboratory Tests - Summary Sheet

Project: <u>Proposed Davidson Apartme</u>				Project Number: <u>STS 2023-0009</u>		Location: <u>New Liskeard</u>			Sample Date: <u>January 25 2023</u>					
Borehole No.	Sample No.	Depth (ft)	Grain Size Analysis				NMC* (%)	Atterberg Limits			Proctor Density Kg/m ³	USCS	UC Test (kPa)	Remarks
			Gravel Size (%)	Sand Size (%)	Silt Size (%)	Clay Size (%)		LL (%)	PL (%)	IP (%)				
3	1	5-7					37.0	34.9	25.5	9.4		ML/OL	103	clayey silts with slight plasticity
3	2	10-12	0%	15%	75%	10%	43.3	31.0	26.2	4.8		ML/OL	59	silt with some sand and clay
4	1	2.5 - 4.5	0%	14%	78%	8%	33.8	43.2	38.2	5.0		ML/OL	225.0	Silt with trace clay and sand
4	2	5-7					39.4	42.5	40.0	2.5		ML/OL	157.0	clayey silts with slight plasticity
4	3	10-12					43.1	35.1	32.9	2.2		ML/OL	54.0	clayey silts with slight plasticity
												</		

Appendix F:

- Earthquake Zoning Hazards

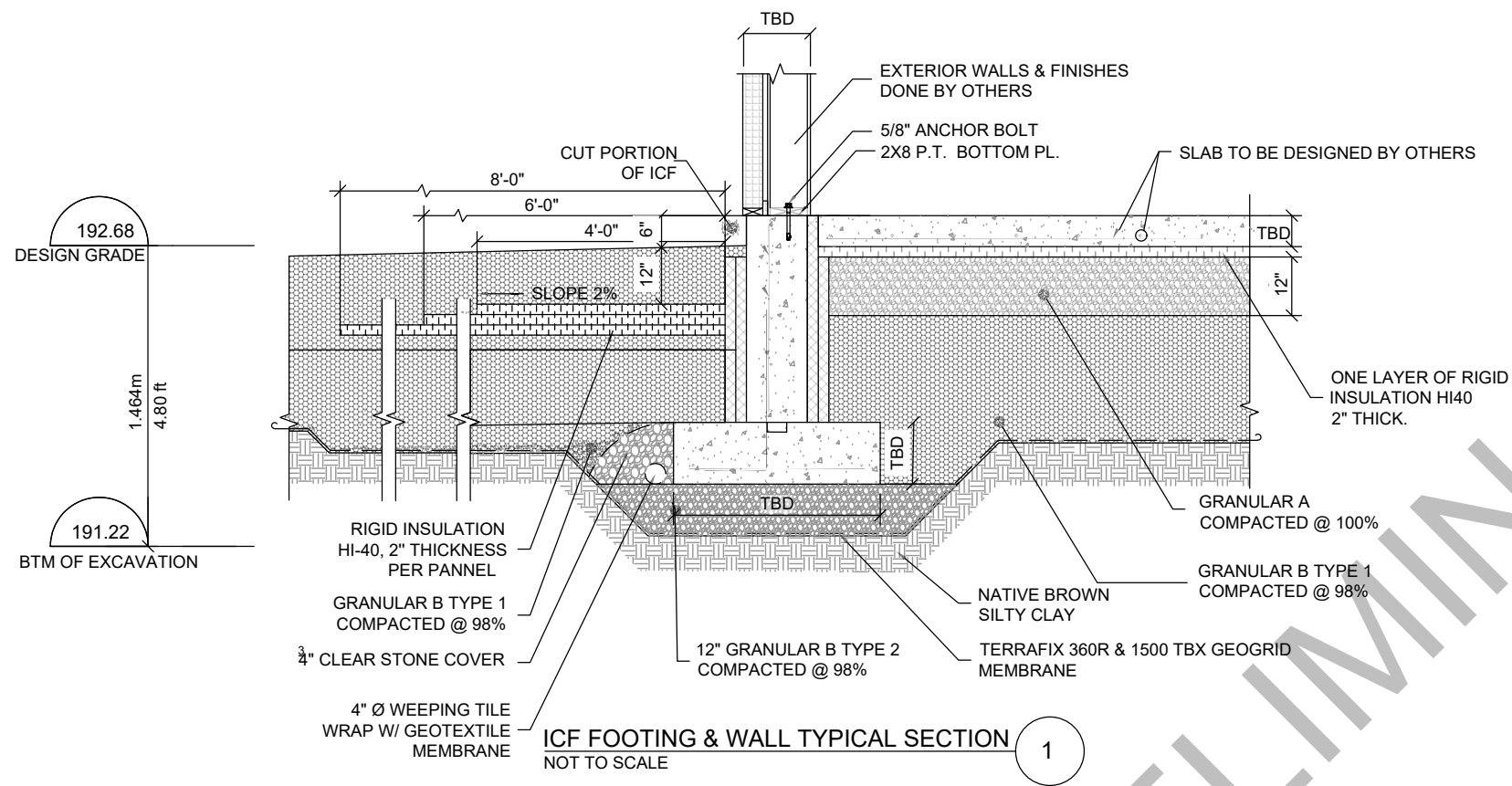
Hazard



Appendix G

- Suggested Foundation Drawing

PRELIMINARY



CONCRETE

1. PERFORM ALL WORK IN ACCORDANCE WITH THE ONTARIO BUILDING CODE AS A MINIMUM STANDARD. REFER TO APPROPRIATE CSA STANDARDS FOR ADDITIONAL REQUIREMENTS COVERING WORKMANSHIP AND MATERIALS.
2. WORK IN THIS SECTION SHALL COMPLY WITH THE REQUIREMENTS OF CSA A23.1-94 AND CSA A23.2-94 AS MINIMUM STANDARDS.
3. CONSTRUCT FORMWORK STRONG, TIGHT, BRACED AND TRUE SO AS TO MAINTAIN SHAPE AND POSITION. USE ONLY NEW MATERIALS.
4. ALL REINFORCING STEEL TO BE CLEAN AND SECURED IN PLACE BY THE USE OF CHAIRS, SPACERS, OR HANGERS.
5. WHENEVER AIR TEMPERATURE IS BELOW OR IS LIKELY TO FALL BELOW 5°C, MAINTAIN TEMPERATURE OF PLACED CONCRETE AT NOT LESS THAN 10°C FOR 5 DAYS. DO NOT ALLOW CONCRETE TO FREEZE FOR 7 DAYS. DO NOT PLACE CONCRETE AGAINST FROZEN MATERIAL.
6. CAST ONE SET OF CONCRETE TEST CYLINDERS FOR EACH CONCRETE PLACEMENT. PROVIDE TEST RESULTS TO PROJECT MANAGER.
7. CONCRETE THAT WHICH SHALL NOT BE PLACED WITHIN (1) ONE HOUR OF MIXING SHALL CONTAIN SUFFICIENT RETARDING AGENT TO DELAY THE INITIAL SET FOR THE TIME REQUIRED TO PLACE AND VIBRATE CONCRETE.

NOTES

1. DRAWING DIMENSIONS ARE IN FEET & INCHES
2. CONCRETE FOOTING AND SLAB TO BE DESIGNED BY OTHERS.

No	DATE	REVISION	BY
1	02/24/23	Issued for Review	JM

CLIENT		
L360		
PROJECT No 2023-0009		
DRAWING TITLE		
NEW LISKEARD FOUNDATION (CONCEPT)		
ENGINEERS SEAL	SCALES	SHEET No
	AS NOTED	1
	DESIGN L.S.	PLAN No N/A
	DRAWN TC	FIELD NOTES N/A
	CHECKED L.S.	DATE FEB 2023



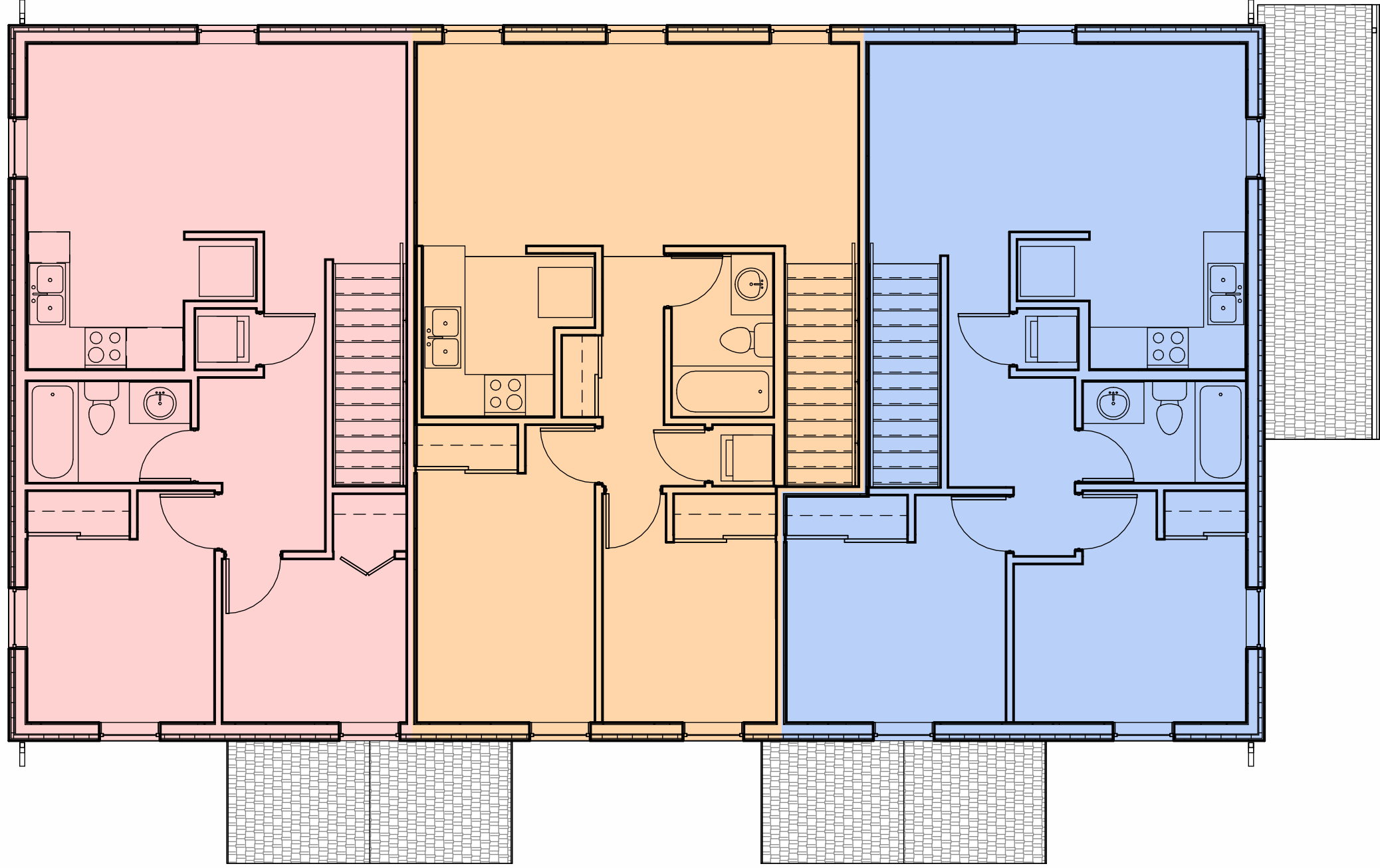
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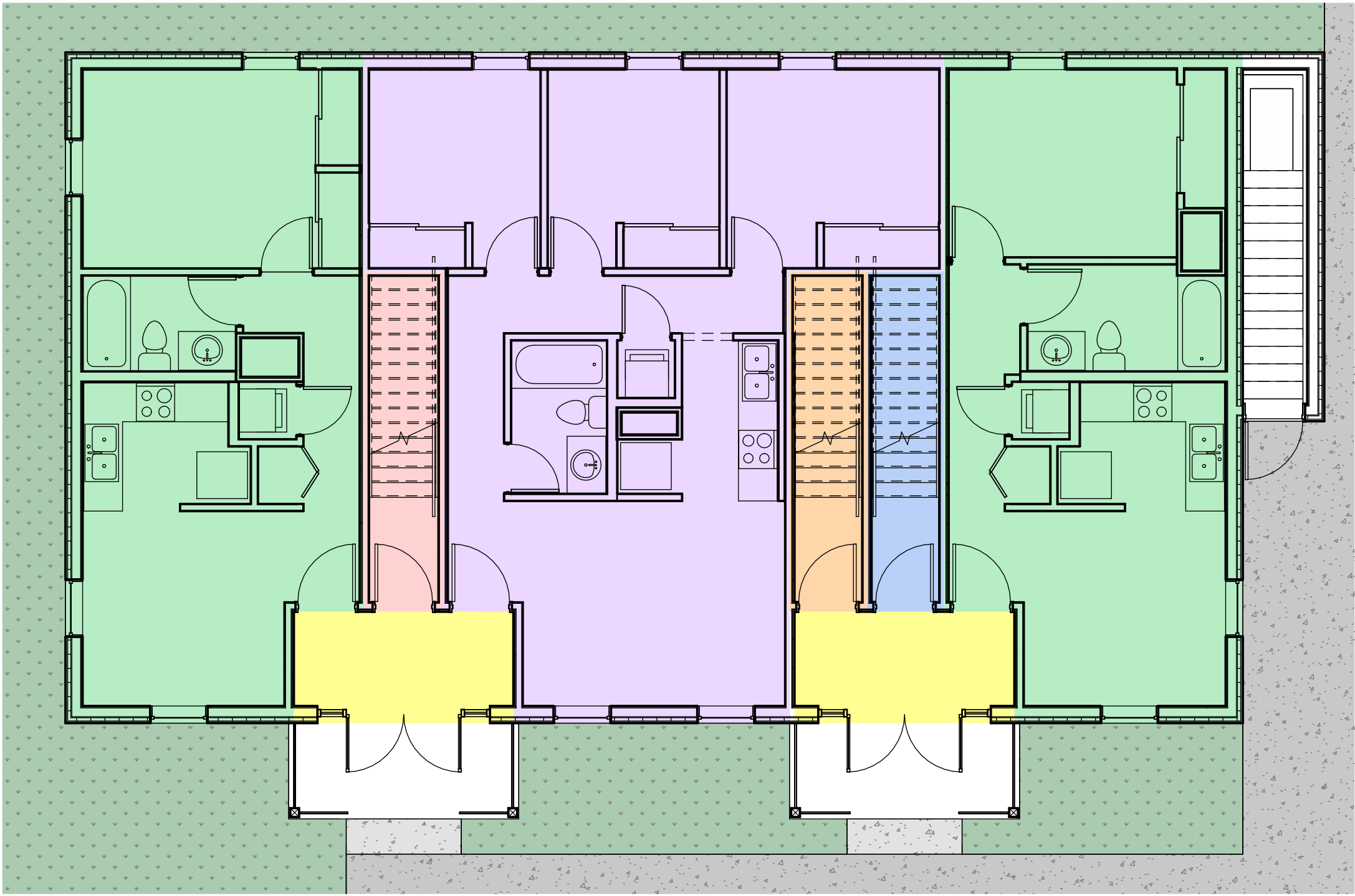
ISOMETRIC VIEW



ISOMETRIC VIEW



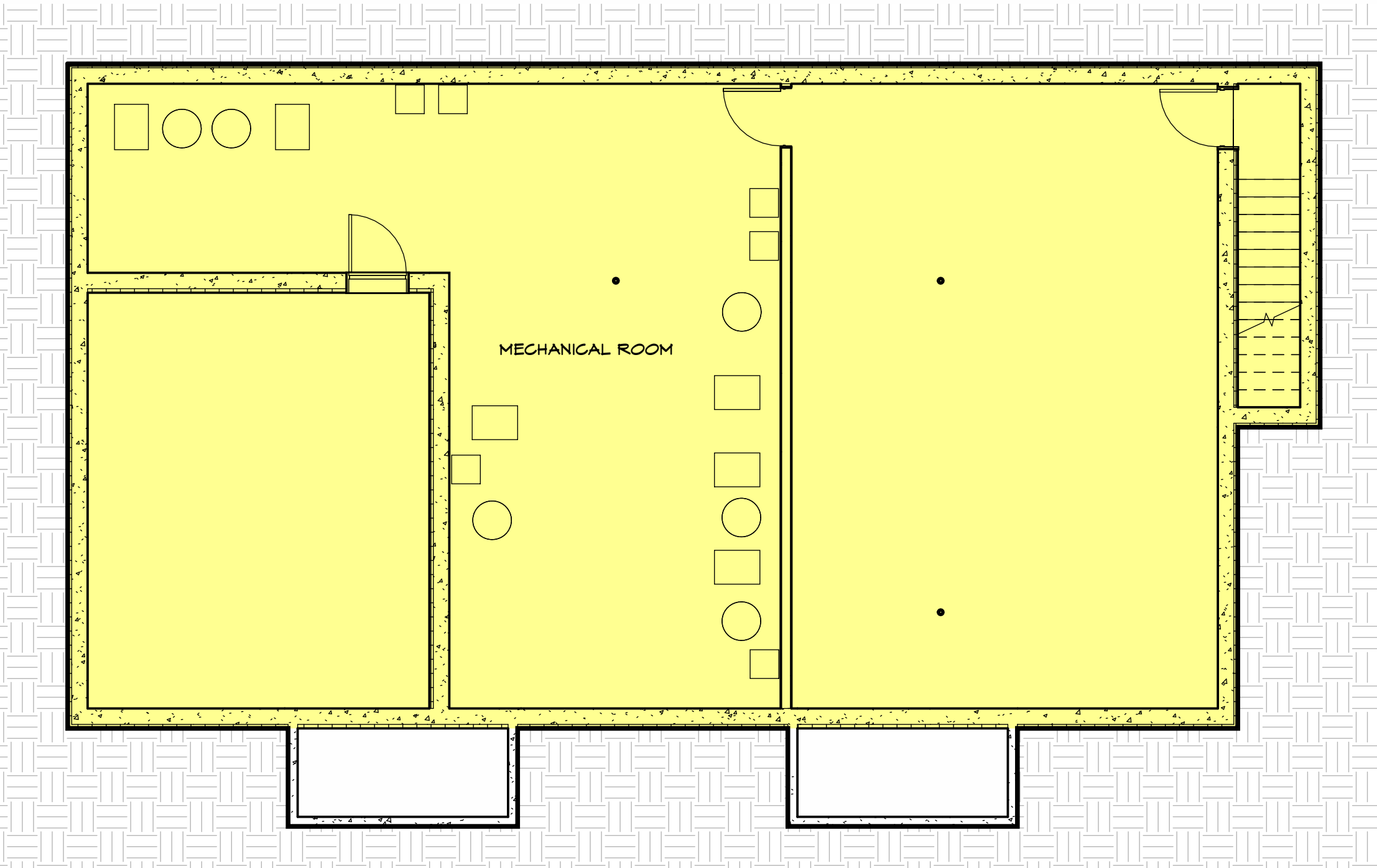
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SCALE: 1/75



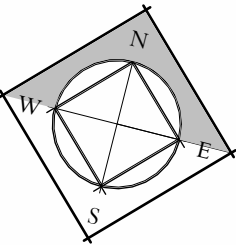
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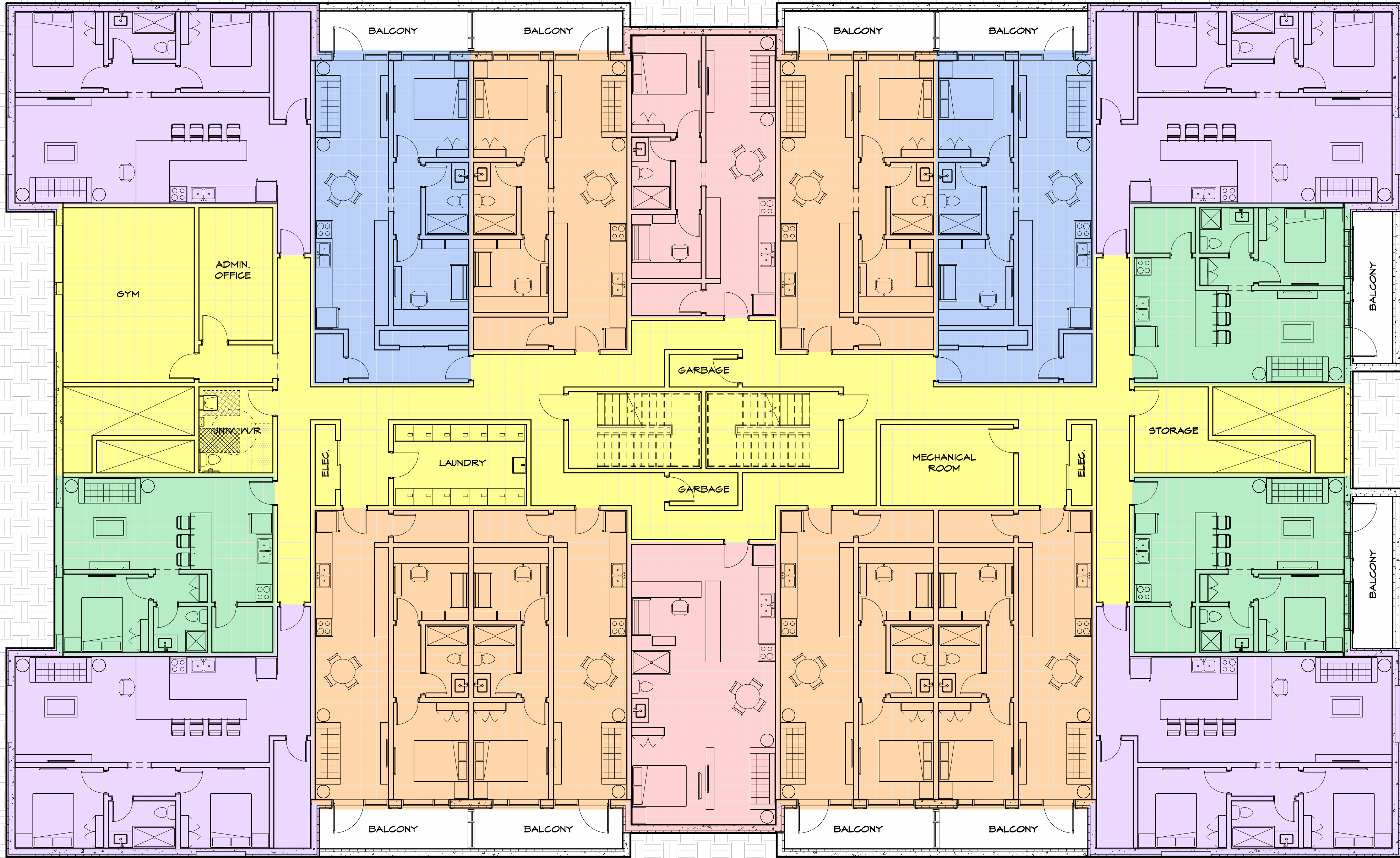
Common Area Legend			
Sym.	Description	Efficiency	Areas
	LEVEL 0	100.00%	GFA = 205.06 m ² / 2,207.24 s.f. NFA = 175.98 m ² / 1,894.23 s.f.
	LEVEL 1	6.20%	GFA = 12.38 m ² / 133.35 s.f. NFA = 10.47 m ² / 112.69 s.f.
TOTAL		35.96%	GFA = 217.44 m ² / 2,340.49 s.f. NFA = 186.45 m ² / 2,006.92 s.f.

Unit Types Legend				
Sym.	Description	Units' #	Units' Areas	Total Areas
	UNIT TYPE 1 (1 BEDROOM)	02	GFA = 48.11 m ² / 524.31 s.f. NFA = 40.41 m ² / 435.61 s.f.	GFA = 97.42 m ² / 1,048.62 s.f. NFA = 80.94 m ² / 871.22 s.f.
	UNIT TYPE 2 (1 BEDROOM)	01	GFA = 64.01 m ² / 689.64 s.f. NFA = 51.11 m ² / 550.14 s.f.	GFA = 64.01 m ² / 689.64 s.f. NFA = 51.11 m ² / 550.14 s.f.
	UNIT TYPE 3 (1 BEDROOM)	01	GFA = 61.32 m ² / 724.62 s.f. NFA = 56.11 m ² / 603.96 s.f.	GFA = 61.32 m ² / 724.62 s.f. NFA = 56.11 m ² / 603.96 s.f.
	UNIT TYPE 4 (1 BEDROOM)	01	GFA = 68.32 m ² / 735.39 s.f. NFA = 55.18 m ² / 593.95 s.f.	GFA = 68.32 m ² / 735.39 s.f. NFA = 55.18 m ² / 593.95 s.f.
	UNIT TYPE 5 (2 BEDROOMS)	01	GFA = 70.30 m ² / 756.70 s.f. NFA = 60.81 m ² / 654.55 s.f.	GFA = 70.30 m ² / 756.70 s.f. NFA = 60.81 m ² / 654.55 s.f.
TOTAL		06		GFA = 367.43 m ² / 3,954.97 s.f. NFA = 304.15 m ² / 3,273.82 s.f.

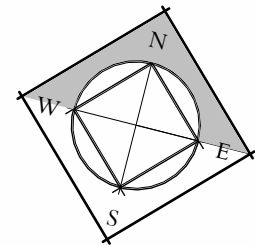


FLOOR PLAN
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SCALE: 1/75





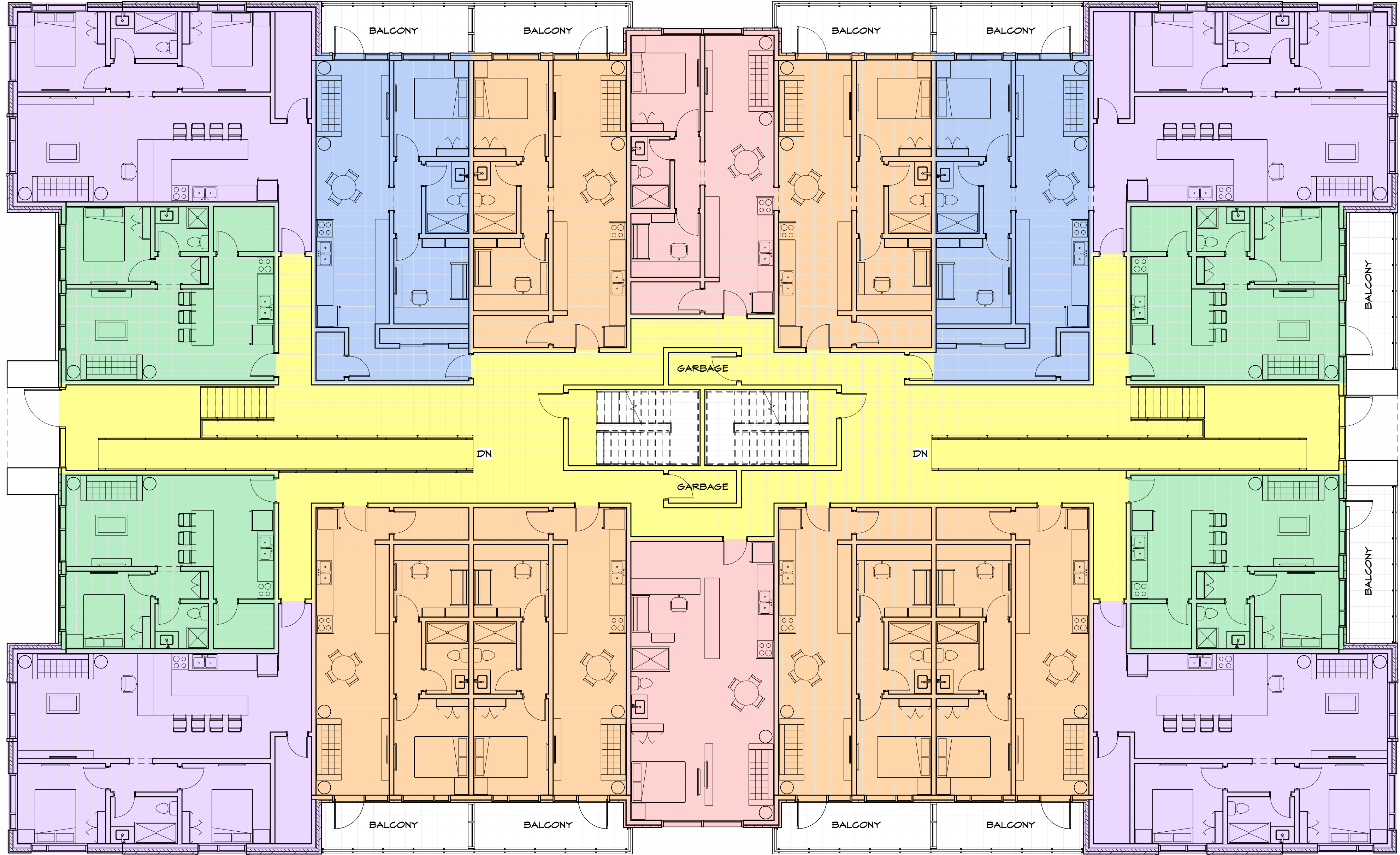
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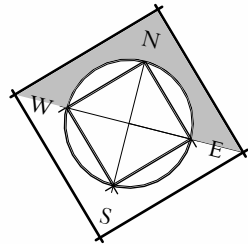
ISOMETRIC VIEW

Common Area Legend			
Sym.	Description	Efficiency	Areas
	LEVEL 0	21.03%	GFA = 314.98 m2 / 3,390.41 s.f. NFA = 282.62 m2 / 3,042.09 s.f.
	LEVEL 1	15.84%	GFA = 237.71 m2 / 2,559.33 s.f. NFA = 217.44 m2 / 2,340.50 s.f.
	LEVEL 2	15.90%	GFA = 237.99 m2 / 2,561.70 s.f. NFA = 233.07 m2 / 2,508.74 s.f.
TOTAL		17.61%	GFA = 790.74 m2 / 8,511.44 s.f. NFA = 733.13 m2 / 7,891.33 s.f.

Unit Types Legend				
Sym.	Description	Units' #	Units' Areas	Total Areas
	UNIT TYPE 1 (1 BEDROOM)	11	GFA = 54.24 m2 / 583.83 s.f. NFA = 48.30 m2 / 519.89 s.f.	GFA = 596.64 m2 / 6,422.13 s.f. NFA = 531.30 m2 / 5,718.79 s.f.
	UNIT TYPE 2 (1 BEDROOM + HOME OFFICE)	06	GFA = 60.46 m2 / 650.78 s.f. NFA = 52.71 m2 / 567.36 s.f.	GFA = 362.76 m2 / 3,904.68 s.f. NFA = 316.26 m2 / 3,404.16 s.f.
	UNIT TYPE 3 (1 BEDROOM + HOME OFFICE)	18	GFA = 65.38 m2 / 703.74 s.f. NFA = 58.14 m2 / 625.81 s.f.	GFA = 1,176.84 m2 / 12,685.32 s.f. NFA = 1,046.52 m2 / 11,264.58 s.f.
	UNIT TYPE 4 (1 BEDROOM + HOME OFFICE)	06	GFA = 72.57 m2 / 781.13 s.f. NFA = 64.33 m2 / 692.44 s.f.	GFA = 435.42 m2 / 4,686.78 s.f. NFA = 385.98 m2 / 4,154.64 s.f.
	UNIT TYPE 5 (2 BEDROOMS)	12	GFA = 90.48 m2 / 973.91 s.f. NFA = 77.08 m2 / 829.68 s.f.	GFA = 1,085.76 m2 / 11,686.92 s.f. NFA = 924.96 m2 / 9,956.16 s.f.
TOTAL		53		GFA = 3,657.42 m2 / 39,385.83 s.f. NFA = 3,205.02 m2 / 34,498.33 s.f.



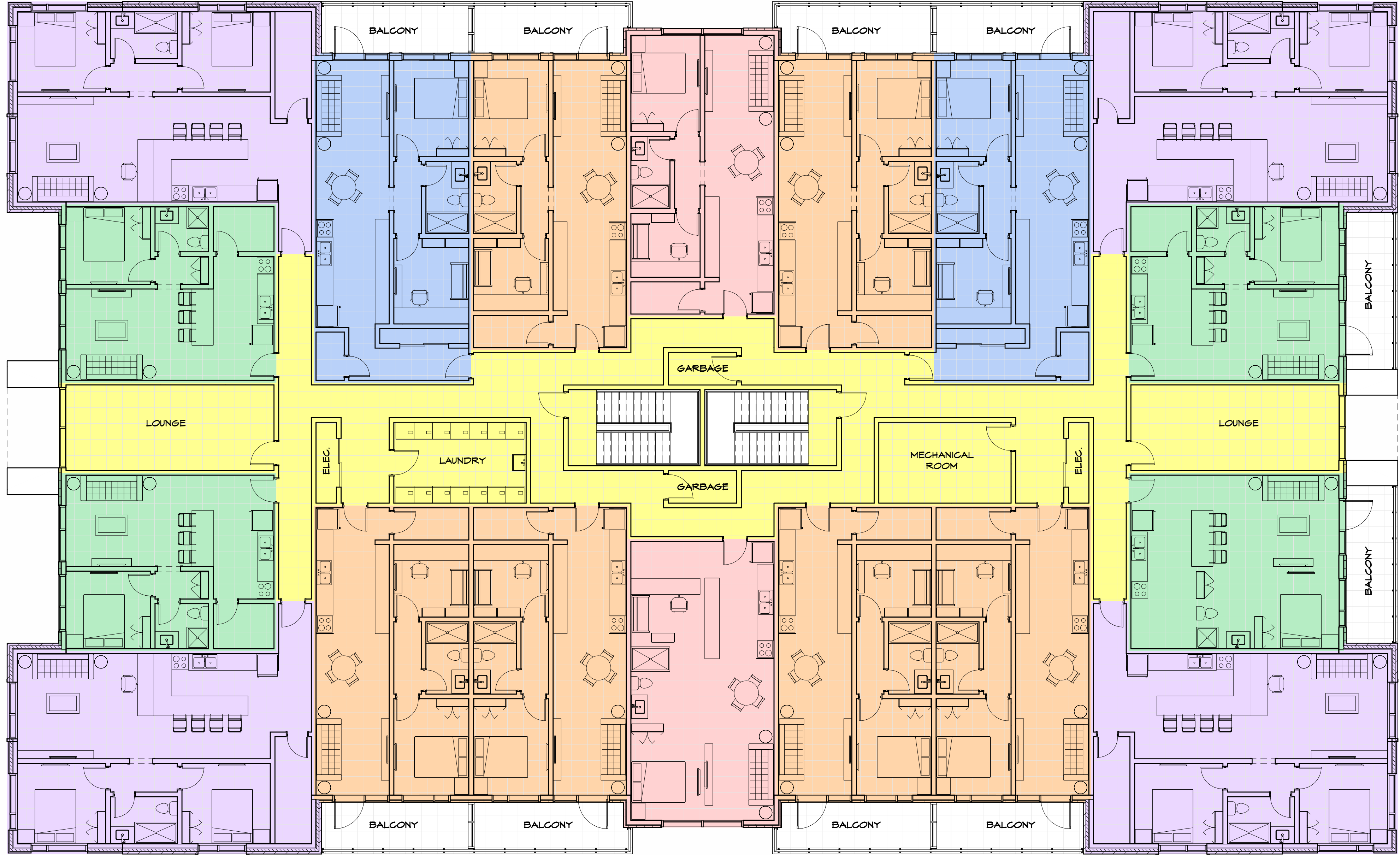
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ISOMETRIC VIEW

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	LEVEL 0	21.03%	GFA = 314.98 m2 / 3,390.41 s.f. NFA = 282.62 m2 / 3,042.09 s.f.
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	UNIT TYPE 2 (1 BEDROOM + HOME OFFICE)	06	GFA = 60.46 m2 / 650.78 s.f. NFA = 52.71 m2 / 567.36 s.f.	GFA = 362.76 m2 / 3,904.68 s.f. NFA = 316.26 m2 / 3,404.16 s.f.
	UNIT TYPE 3 (1 BEDROOM + HOME OFFICE)	18	GFA = 65.38 m2 / 703.74 s.f. NFA = 58.14 m2 / 625.81 s.f.	GFA = 1,176.84 m2 / 12,685.32 s.f. NFA = 1,046.52 m2 / 11,264.58 s.f.
	UNIT TYPE 4 (1 BEDROOM + HOME OFFICE)	06	GFA = 72.57 m2 / 781.13 s.f. NFA = 64.33 m2 / 692.44 s.f.	GFA = 435.42 m2 / 4,686.78 s.f. NFA = 385.98 m2 / 4,154.64 s.f.
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TOTAL		53		GFA = 3,657.42 m2 / 39,385.83 s.f. NFA = 3,205.02 m2 / 34,498.33 s.f.



FLOOR PLAN
SCALE: 1/100



ISOMETRIC VIEW

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TOTAL		53		GFA = 3,657.42 m2 / 39,385.83 s.f. NFA = 3,205.02 m2 / 34,498.33 s.f.



OVERALL ISOMETRIC VIEW



ISOMETRIC VIEW SIXPLEX BUILDING



ISOMETRIC VIEW RESIDENTIAL BUILDING



STORMWATER MANAGEMENT REPORT

129 Davidson Street
New Liskeard, Ontario

Abstract

Stormwater Management report for the submission of a Zoning By-law Amendment and Site Plan Control for two multi-residential buildings. This document contains the stormwater management information for the development including quantity control, quality control and erosion and siltation control.

Project Summary

Project No.

232602

Client

JK Developments

Client Contact

John Knifton

Consultant Team

Andrew Butler, P.Eng.

Joe Lefaive, P.Eng.

Candice Micucci, MCIP, RPP, OALA

Property Address

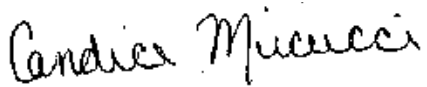
129 Davidson Street

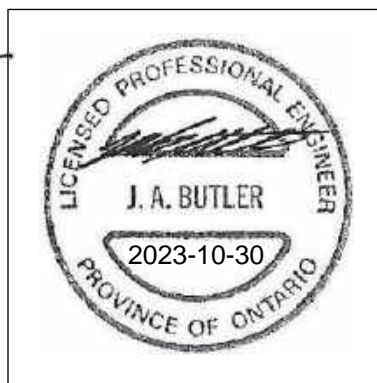
New Liskeard, Ontario

Rev.	Date	Description
0.0	2023.10.30	Initial Release

Signatures and Seals


Signature


Signature



Disclaimer

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2.0	Site Information.....	1
3.0	Proposed Development.....	2
4.0	Sediment and Erosion Control	2
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8.0	Conclusions	7

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Appendix B: Proposed Site Plan.....	App B
Appendix C: Erosion and Siltation Plan.....	App C
Appendix D: Stormwater Management Plan.....	App D
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Appendix G: Stormceptor Sizing Report.....	App G
Appendix H: Vortex Valve.....	App H

1.0 INTRODUCTION

Antech Design and Engineering has been retained by JK Developments to provide Engineering services to support a Zoning By-law Amendment and Site Plan Approval application for the proposed development located at 129 Davidson Street in City of Temiskaming Shores, Ontario. This report presents the stormwater management design to control both quantity and quality of runoff leaving the site. In keeping with the MOE Stormwater Management Planning and Design Manual a pre- to post-development balance design is included herein.



Figure 1: Site Location Map for 129 Davidson Street in the City of Temiskaming Shores

2.0 SITE INFORMATION

The subject property has a legal description of All of Lots 215-222, 228-231, 235-236, Part of Lots 223 and Part of Lane of Registered Plan M-29 NB, in the Geographic Township of Dymond in the District of Nipissing. The site is designated Residential Neighbourhood in the Temiskaming Shores Official Plan and Community Facility in the Zoning By-law. The subject property has a total lot area of 9269.9 square meters with Proposed Site A being 1937.7 square meters and Proposed Site B being 7332.2 square meters.

The property has an irregular shape with frontage on Davidson Street and Broadwood Avenue. The existing site topography is generally sloping West to East with a steep slope in the southeast side. There is an existing school to be removed as well as some site features. There was no notable stormwater infrastructure noted on the survey provided to Antech.

The existing site is demonstrated in Appendix A: Existing Topographic Plan.

3.0 PROPOSED DEVELOPMENT

The proposed development includes a 6-unit multi-residential building (Building A) on the former school site and a 53-unit apartment building (Building B) on the vacant lands, complete with an asphalt parking lot, curbing and some landscaped areas. The property will be bound by a modest landscaped buffer to blend the site with the existing development. A mechanical stabilized retaining wall will be required along the south and east property lines.

The site will be serviced with catchbasin manholes and storm sewers to collect and route stormwater. The Building A site will drain to the municipal storm sewer within the Davidson Street right-of-way and the Building B site will be routed to the existing ditch inlet catchbasin at Broadwood Avenue. Oil and grit separators will be used to provide quality control for the site. Pipe storage and surface ponding will be used to detain the necessary volume of runoff, that will be controlled using a vortex valve and orifice plate.

Appendix B contains the proposed site plan for the subject property.

4.0 SEDIMENT AND EROSION CONTROL

Sediment and erosion control will be provided on-site to the City of Temiskaming Shores standards. The following sediment and erosion controls are proposed for the development:

- A silt-fence shall be installed around the perimeter of the development site until the development is substantially complete and all surfaces are established.
- A mudmat is to be installed at the development site entrance during construction.
- Catchbasin/manhole inserts will be installed in all structures to reduce sediment transport through the storm and sanitary sewers during construction. And,

The erosion and siltation plan is included as Appendix C.

5.0 STORMWATER MANAGEMENT

The following sections discuss the stormwater management criteria and modelling. The stormwater management plan can be found in Appendix D.

5.1 Design Criteria

The stormwater management criterion provided by the MOECP used for the stormwater management analysis are as follows:

- Quantity Control: Post-development flows are to match pre-development flows; and,
- Quality Control: Normal Protection – 70% TSS removal from areas draining driveways and parking lots, in conformance with the MOE Stormwater Planning and Design Manual.

The 3-hour Chicago Storm parameters used to model the 2-year through to the 100-year design rainfall events for the site are summarized in Table 1. Using data from the MTO IDF Curve Lookup, rainfall data (depth and intensity), the Chicago storm coefficients A, B, and C were calculated using the IDF Curve Fit function in the hydrologic modelling software Miduss.

Table 1: MTO IDF Curve 3-hour Chicago Storm parameters

Coefficient	2 Year	5 Year	10 Year	25 Year	50 Year	100 Year
A	340.5	455.5	535.7	634.2	702.7	773.4
B	0.029	0.012	0.094	0.112	0.093	0.084
C	0.700	0.699	0.701	0.701	0.701	0.701
R	0.4	0.4	0.4	0.4	0.4	0.4
Duration (min)	180	180	180	180	180	180
Total Depth (mm)	27.0	36.2	42.2	49.9	55.5	61.0
Maximum Intensity (mm/hr)	110.0	147.6	171.2	201.9	224.7	247.6

The SCS infiltration method was used for the runoff calculations. The infiltration parameters used in the hydrologic model are presented in Table 2.

Table 2: SCS Infiltration parameters for the hydrologic modelling

	Pre-development		Post-development	
	Impervious Areas	Pervious Areas	Impervious Areas	Pervious Areas
SCS Curve No.	98*	75	98	75
Manning's 'n'	0.015	0.25	0.015	0.25

Note: catchment 101 was assigned an scs curve no of 95 for impervious areas to reflect the compacted gravel areas as opposed to asphalt or building coverage.

The hydrologic model software MIDUSS was used to generate runoff hydrographs and route the runoff through the site. The model outputs can be found in Appendix E.

5.2 Pre-Development Site Conditions

The pre-development conditions consist of a partially developed site, including the former school building and associated site work. East of the former school property the land is vacant and includes a gravel driveway and playground.

Two catchment areas were identified for the pre-development site. Catchment Area 100 includes the former school lands that drain to the Davidson Street storm sewer. Catchment Area 101 includes the vacant lands that drain overland to the east.

Table 3: Pre-development catchment area properties

Catchment ID	Description	Imp %	Area (ha)	Length (m)	Slope
CA100	Drainage to Davidson	91%	0.1438	30.96	2%
CA101	Drainage to Lakeshore	35%	0.7830	37.64	5%

The pre-development peak flows and runoff volumes are presented in Table 4.

Table 4: Pre-development peak flows and runoff volumes

Existing Conditions							
		2 Year	5 Year	10 Year	25 Year	50 Year	100 Year
CA 100	Peak Flow (m ³ /s)	0.024	0.036	0.043	0.053	0.059	0.067
	Volume (m ³)	29.14	41.25	49.2	59.44	66.88	74.39
CA 101	Peak Flow (m ³ /s)	0.038	0.062	0.079	0.102	0.12	0.138
	Volume (m ³)	62.52	102.9	131.88	171.81	201.8	233.37
Total	Peak Flow (m ³ /s)	0.062	0.098	0.122	0.155	0.179	0.205
	Volume (m ³)	91.66	144.16	181.08	231.25	268.67	307.75

5.3 Post-Development Site Conditions

Two catchment areas have been identified for the proposed site. Catchment area CA 200 represents the smaller site that includes Building A and will continue to drain to the Davidson Street storm sewer. Catchment area CA201 represents the remainder of the site that includes Building B and will drain via a linear SWM pond to the existing ditch inlet catchbasin at Broadwood Avenue.

Table 5 presents the catchment area properties used in the hydrological model.

Table 5: Post-development catchment area properties

Catchment ID	Description	Imp %	Area (ha)	Length (m)	Slope
CA200	Drainage to Davidson	62%	0.1774	34.4	1%
CA201	Drainage to Lakeshore	74%	0.7282	20.2	2%

Post development peak flows and runoff volumes are presented in Table 6.

Table 6: Post-development peak flows and runoff volumes

Proposed Conditions							
Catchment ID		2 Year	5 year	10 Year	25 Year	50 Year	100 Year
201	Peak Flow (m ³ /s)	0.018	0.027	0.033	0.041	0.047	0.053
	Volume (m ³)	26.2	38.5	46.9	57.8	65.9	73.9
202	Peak Flow (m ³ /s)	0.037	0.039	0.101	0.042	0.063	0.077
	Volume (m ³)	123.8	177.8	214.1	261.1	295.5	329.2
Total	Max Flow	0.053	0.061	0.068	0.076	0.082	0.088
	Volume	146.7	214	259.7	318.04	356.2	401.01

By comparing table 4 and table 6, it can be demonstrated that the post-development peak flows for the site have been reduced to below the pre-development levels for the 2-year through to the 100-year design storm.

6.0 WATER QUANTITY CONTROL

It is required to balance post-development peak flows to the pre-development peak flows leaving the site for the 2-year through to the 100-year design storm events. A combination of pipe storage and surface storage is proposed to detain the runoff volumes and control the peak flows. The peak flows from CA 200 are less than the pre-development peak flows, draining to the Davidson Street storm sewer. Therefore, for CA 200 no flow controls or additional storage have been included.

CA 201 requires peak flow attenuation. To achieve a pre to post balance, pipe storage controlled by a vortex valve and storage within a linear SWM pond, controlled by a 127mm diameter orifice plate provide adequate storage for minor storms to ensure no parking lot surface ponding occurs. Under major storms additional storage volume is provided via parking lot ponding. Under the 100-year design storm surface ponding is developed to a depth of 0.10m (elevation 194.14m). Overland flow routes from the parking lot are provided at an elevation of 194.34m for storms in excess of the 100-year design storm or in the event of a blockage.

The on-site storage provided is summarized in Table 7. The stage-storage-discharge relationships are provided in Table 8 and Table 9.

Table 7: Storage element volume calculation summary

Storage Element	Storage Volume
Pipe Storage (600mm dia x 46.8m + 300mm dia x 125.6)	22.1 m ³
Surface ponding	193.0m ³
Linear SWM Pond	101.0m ³
Total Storage Volume Provide	316.1 m ³

Note: available storage volume for CA200 area is not included above as it is not utilized to detain runoff.

Table 8: Stage-storage-discharge table for pipe storage and parking lot ponding

Stage (m)	Discharge m3/s	Volume m3	Events
192.6	0.000	0.0	Vortex Valve Control @ 192.64
192.69	0.008	0.1	Pipe Storage
192.77	0.029	1.6	
192.86	0.058	4.9	
192.94	0.087	9.2	
193.03	0.098	13.8	
193.11	0.099	17.6	
193.20	0.100	20.3	
193.28	0.100	21.7	
193.37	0.099	22.0	
193.45	0.097	22.2	
193.54	0.095	22.4	
193.62	0.092	22.6	
193.71	0.088	22.8	
193.80	0.091	23.0	
193.88	0.094	23.1	
193.97	0.097	23.3	
194.05	0.100	23.5	Parking Lot Ponding
194.14	0.101	29.1	
194.22	0.101	59.4	
194.31	0.101	136.2	
194.35	0.101	199.7	EOR

Table 9: Stage-storage-discharge table for linear SWM pond

Stage (m)	Discharge m3/s	Volume m3	Events
191.70	0.000	0.00	127mm Diameter Orifice Plate
192.53	0.031	0.00	
192.62	0.032	1.31	Linear SWM Pond
192.71	0.034	8.31	
192.81	0.036	17.39	
192.90	0.037	28.59	
192.99	0.039	41.99	
193.08	0.040	57.81	
193.20	0.042	81.28	Overflow Weir @ 193.20
193.27	0.073	96.10	combined weir/orifice discharge
193.36	0.175	118.84	
193.45	0.344	144.05	

The sewer capacity for the 1 in 5-year design storm event was also evaluated. The storm sewers on site are intended to provide storage volume as such, sewers operating under a surcharge condition is expected. Sizing of the sewers was based on the required storage volume since downstream controls will induce a surcharged condition, regardless of the pipe capacity. The sewer capacity analysis is presented in Appendix F.

7.0 WATER QUALITY CONTROL

Water quality is required to provide 70% TSS removal. A Stormceptor EFO4 was selected to provide quality control for CA200 and a Stormceptor EFO6 was selected for C201. The EFO4 and EFO6 are CA ETV verified and will provide 66% and 61% TSS removal for the CA ETV particle distribution. Under a fine particle distribution, the removal efficiencies are > 80%. The CA ETV particle distribution considers a higher percentage of fine particles, resulting in a lower reported removal efficiency. However, prior to the introduction of the CA ETV particle distributions the fine particle distribution was considered acceptable.

The sizing report for the Stormceptors considering both particle distributions are include in Appendix G.

8.0 CONCLUSIONS

Based on the information contained within this report and its appendices, it is concluded that the proposed development can be constructed to meet the criterion of the MOECP and local municipality.

In summary, the features of the design for the proposed development are as follows:

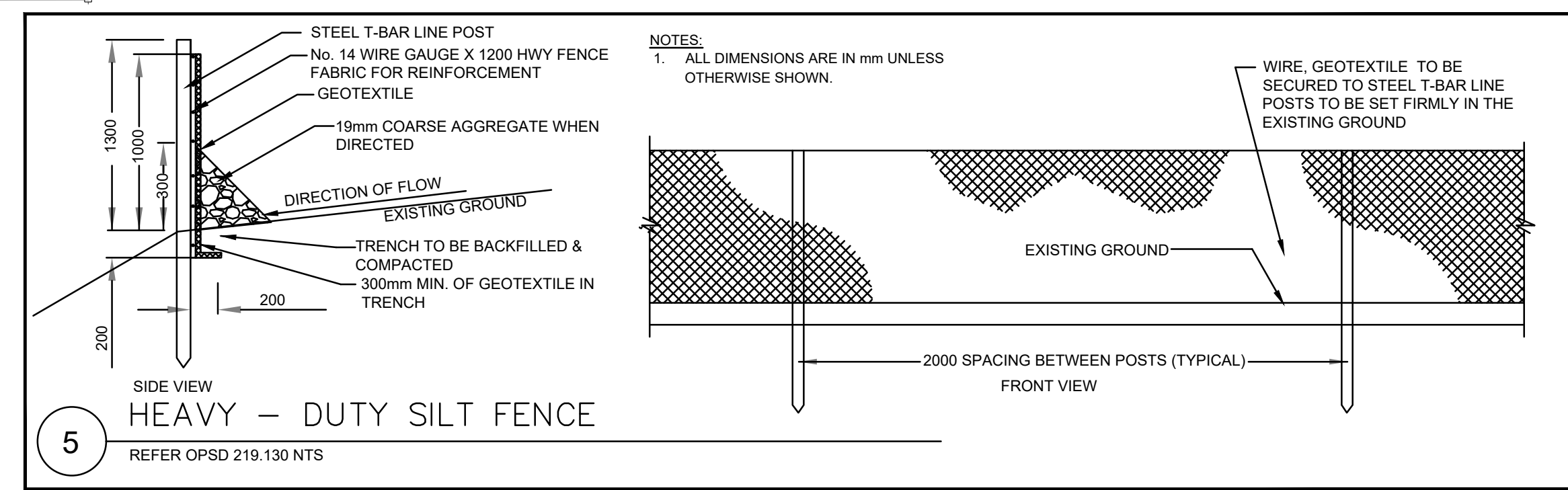
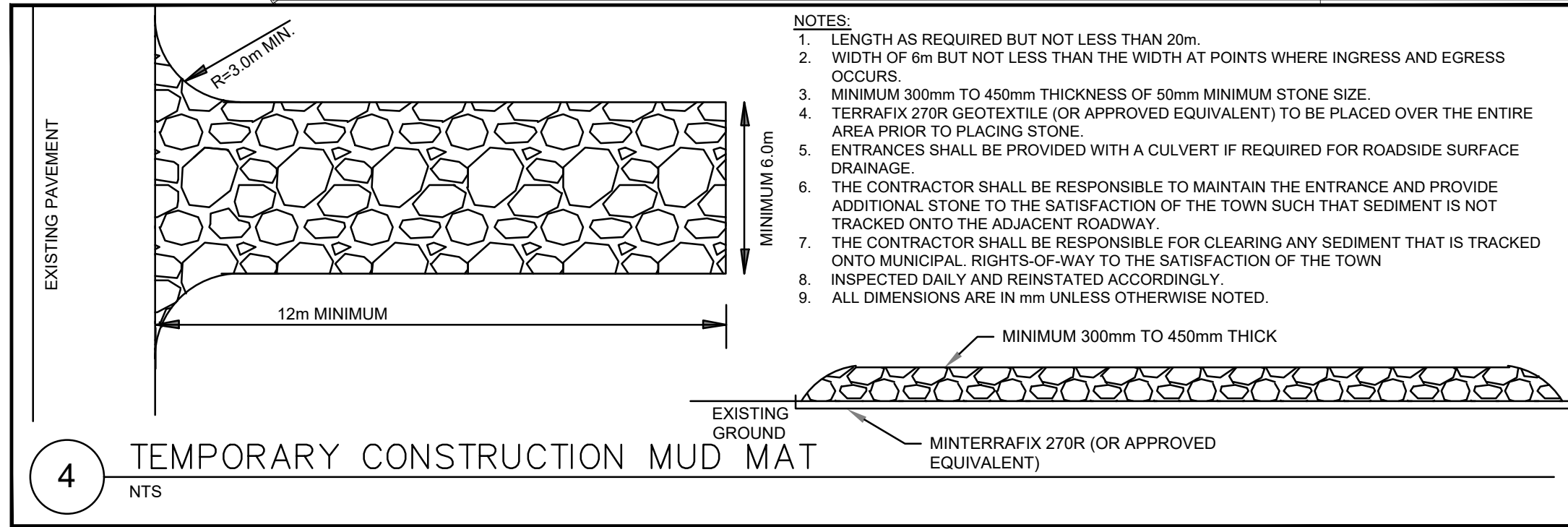
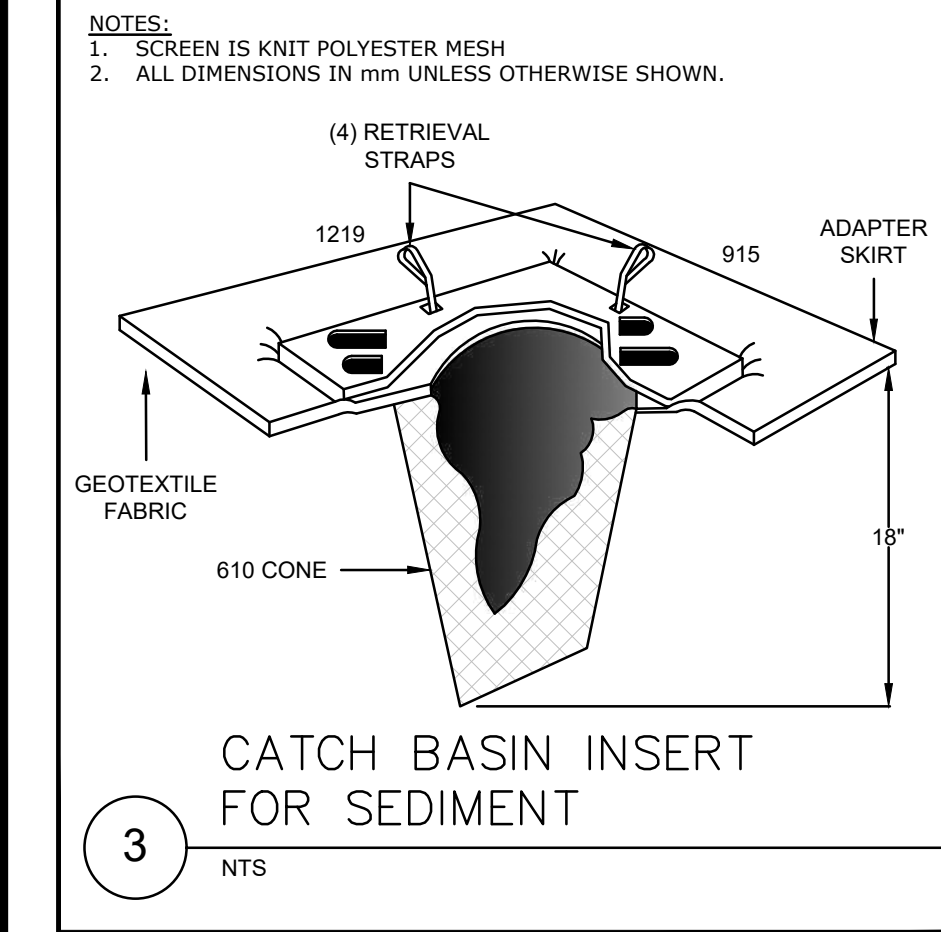
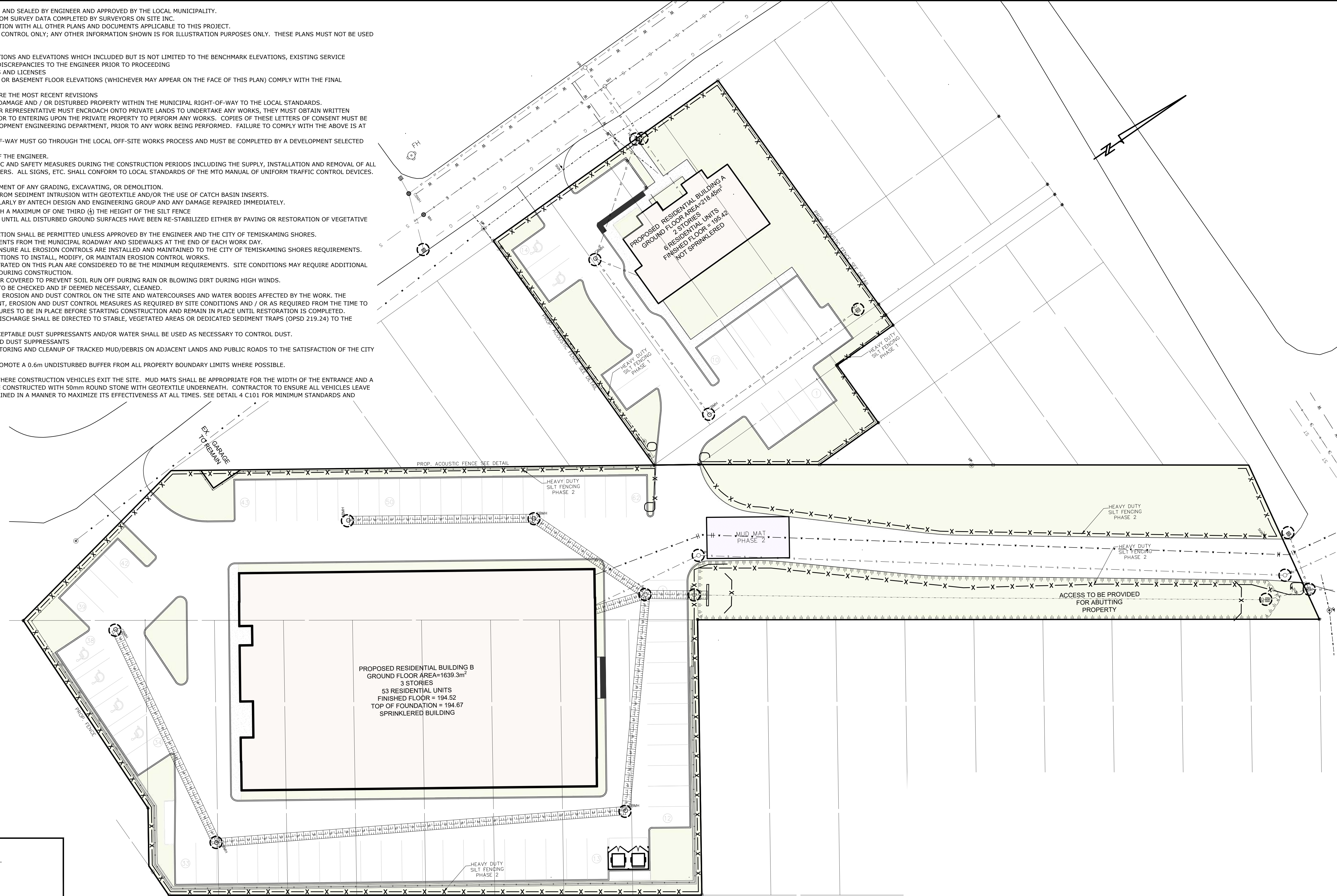
- The stormwater discharging from the site shall be controlled to below pre development levels using underground and above ground storage, a vortex valve and orifice plate.
- Water quality is provided in conformance with the MOE Stormwater Planning and Design Manual via a Stormceptor EFO4 and EFO6 to provide >70% TSS removal
- Erosion and sediment control measures will be implemented in accordance with section 4.0 of this report and to the satisfaction of local authorities having jurisdiction.

Appendix A: Existing Topographical Plan

Appendix B: Proposed Site Plan

Appendix C: Erosion and Siltation Plan

- NOTES:**
1. THESE PLANS ARE NOT FOR CONSTRUCTION UNTIL SIGNED AND SEALED BY ENGINEER AND APPROVED BY THE LOCAL MUNICIPALITY.
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 - A. CHECK AND VERIFY ALL EXISTING CONDITIONS, LOCATIONS AND ELEVATIONS WHICH INCLUDED BUT IS NOT LIMITED TO THE BENCHMARK ELEVATIONS, EXISTING SERVICE CONNECTIONS AND EXISTING INVERTS. REPORT ALL DISCREPANCIES TO THE ENGINEER PRIOR TO PROCEEDING
 - B. OBTAIN ALL UTILITY LOCATES AND REQUIRED PERMITS AND LICENSES
 - C. VERIFY THAT THE FINISHED FLOOR ELEVATIONS AND / OR BASEMENT FLOOR ELEVATIONS (WHICHEVER MAY APPEAR ON THE FACE OF THIS PLAN) COMPLY WITH THE FINAL ARCHITECTURAL DRAWINGS.
 - D. CONFIRM ALL DRAWINGS USED FOR CONSTRUCTION ARE THE MOST RECENT REVISIONS
 6. THE CONTRACTOR SHALL ASSUME ALL LIABILITY FOR ANY DAMAGE AND / OR DISTURBED PROPERTY WITHIN THE MUNICIPAL RIGHT-OF-WAY TO THE LOCAL STANDARDS.
 7. IF, FOR UNFORESEEN REASONS, THE OWNER AND/OR THEIR REPRESENTATIVE MUST ENCROACH ONTO PRIVATE LANDS TO UNDERTAKE ANY WORKS, THEY MUST OBTAIN WRITTEN PERMISSION FROM THE ADJACENT PROPERTY OWNERS PRIOR TO ENTERING UPON THE PRIVATE PROPERTY TO PERFORM ANY WORKS. COPIES OF THESE LETTERS OF CONSENT MUST BE SUBMITTED TO THE CITY OF TEMISKAMING SHORES DEVELOPMENT ENGINEERING DEPARTMENT, PRIOR TO ANY WORK BEING PERFORMED. FAILURE TO COMPLY WITH THE ABOVE IS AT THE PROPERTY OWNERS OWN RISK.
 8. ALL WORK WITHIN THE MUNICIPAL OR REGIONAL RIGHT-OF-WAY MUST GO THROUGH THE LOCAL OFF-SITE WORKS PROCESS AND MUST BE COMPLETED BY A DEVELOPMENT SELECTED BY THE CITY OF TEMISKAMING SHORES.
 9. NO CHANGES ARE TO BE MADE WITHOUT THE APPROVAL OF THE ENGINEER.
 10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC AND SAFETY MEASURES DURING THE CONSTRUCTION PERIODS INCLUDING THE SUPPLY, INSTALLATION AND REMOVAL OF ALL NECESSARY SIGNALS, DELINEATORS, MARKERS AND BARRIERS. ALL SIGNS, ETC. SHALL CONFORM TO LOCAL STANDARDS OF THE MTO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
 11. ALL SILT FENCING TO BE INSTALLED PRIOR TO COMMENCEMENT OF ANY GRADING, EXCAVATING, OR DEMOLITION.
 12. PROTECT ALL CATCH BASINS, MANHOLES AND PIPE ENDS FROM SEDIMENT INTRUSION WITH GEOTEXTILE AND/OR THE USE OF CATCH BASIN INSERTS.
 13. EROSION CONTROL STRUCTURES TO BE MONITORED REGULARLY BY ANTECH DESIGN AND ENGINEERING GROUP AND ANY DAMAGE REPAIRED IMMEDIATELY.
 14. SEDIMENTS TO BE REMOVED WHEN ACCUMULATIONS REACH A MAXIMUM OF ONE THIRD (1/3) THE HEIGHT OF THE SILT FENCE
 15. ALL EROSION CONTROL STRUCTURES TO REMAIN IN PLACE UNTIL ALL DISTURBED GROUND SURFACES HAVE BEEN RE-STABILIZED EITHER BY PAVING OR RESTORATION OF VEGETATIVE GROUND COVER.
 16. NO ALTERNATIVE METHODS OF EROSION CONTROL PROTECTION SHALL BE PERMITTED UNLESS APPROVED BY THE ENGINEER AND THE CITY OF TEMISKAMING SHORES.
 17. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING SEDIMENTS FROM THE MUNICIPAL ROADWAY AND SIDEWALKS AT THE END OF EACH WORK DAY.
 18. THE ENGINEER TO MONITOR THE SITE DEVELOPMENT TO ENSURE ALL EROSION CONTROLS ARE INSTALLED AND MAINTAINED TO THE CITY OF TEMISKAMING SHORES REQUIREMENTS. CONTRACTORS TO COMPLY WITH THE ENGINEERS INSTRUCTIONS TO INSTALL, MODIFY, OR MAINTAIN EROSION CONTROL WORKS.
 19. THE SILTATION AND EROSION CONTROL MEASURES ILLUSTRATED ON THIS PLAN ARE CONSIDERED TO BE THE MINIMUM REQUIREMENTS. SITE CONDITIONS MAY REQUIRE ADDITIONAL MEASURES WHICH WILL BE IDENTIFIED BY THE ENGINEER DURING CONSTRUCTION.
 20. STOCK PILES OF SOIL WILL BE REMOVED FROM THE SITE OR COVERED TO PREVENT SOIL RUN OFF DURING RAIN OR BLOWING DIRT DURING HIGH WINDS.
 21. ONCE CONSTRUCTION IS COMPLETED CATCH BASINS ARE TO BE CHECKED AND IF DEEMED NECESSARY, CLEANED.
 22. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SEDIMENT, EROSION AND DUST CONTROL ON THE SITE AND WATERCOURSES AND WATER BODIES AFFECTED BY THE WORK. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL SEDIMENT, EROSION AND DUST CONTROL MEASURES AS REQUIRED BY SITE CONDITIONS AND / OR AS REQUIRED FROM THE TIME TO TIME. ALL SEDIMENT, EROSION AND DUST CONTROL MEASURES TO BE IN PLACE BEFORE STARTING CONSTRUCTION AND REMAIN IN PLACE UNTIL RESTORATION IS COMPLETED.
 23. WHERE EXCAVATION DEWATERING IS NECESSARY, PUMP DISCHARGE SHALL BE DIRECTED TO STABLE, VEGETATED AREAS OR DEDICATED SEDIMENT TRAPS (OPSD 219.24) TO THE SATISFACTION OF THE ENGINEER.
 24. REGULAR MECHANICAL SWEEPINGS, ENVIRONMENTALLY ACCEPTABLE DUST SUPPRESSANTS AND/OR WATER SHALL BE USED AS NECESSARY TO CONTROL DUST.
 25. THE CONTRACTOR SHALL NOT USE CHEMICAL OR OIL BASED DUST SUPPRESSANTS
 26. CONTRACTOR SHALL BE RESPONSIBLE FOR REGULAR MONITORING AND CLEANUP OF TRACKED MUD/DEBRIS ON ADJACENT LANDS AND PUBLIC ROADS TO THE SATISFACTION OF THE CITY OF TEMISKAMING SHORES.
 27. SILT FENCING TO BE PLACED IN SUCH LOCATION AS TO PROMOTE A 0.6m UNDISTURBED BUFFER FROM ALL PROPERTY BOUNDARY LIMITS WHERE POSSIBLE.
- MUD MAT**
1. MUD MATS TO BE PROVIDED ON SITE AT ALL LOCATIONS WHERE CONSTRUCTION VEHICLES EXIT THE SITE. MUD MATS SHALL BE APPROPRIATE FOR THE WIDTH OF THE ENTRANCE AND A LENGTH SUITABLE FOR SITE LAYOUT. MUD MATS SHALL BE CONSTRUCTED WITH 50mm ROUND STONE WITH GEOTEXTILE UNDERNEATH. CONTRACTOR TO ENSURE ALL VEHICLES LEAVE THE SITE VIA THE MUD MAT AND THAT THE MAT IS MAINTAINED IN A MANNER TO MAXIMIZE ITS EFFECTIVENESS AT ALL TIMES. SEE DETAIL 4 C101 FOR MINIMUM STANDARDS AND TYPICAL INSTALLATION.



SURVEY SYMBOLS		STORM, SANITARY, WATER SERVICE SYMBOLS	
■ FOUND MONUMENTS	PL REGISTERED PLAN	INV = ## PIPE INVERT DIM.	HYD FIRE HYDRANT
□ SET MONUMENTS	OU ORIGIN UNKNOWN	W WATER VALVE	IS SPRINKLER HEAD
IB IRON BAR	M MEASURED	CS CURB STOP VALVE	BH BOREHOLE
SB STD. IRON BAR	PROP PROPORTIONED	VC VALVE CHAMBER	MONITORING WELL
SSB SHORT STD. IRON BAR	WT WITNESS	DRN DRAIN	CUL CULVERT
C CUT CROSS	BM BENCHMARK	DBL DOUBLE CATCH BASIN	CB CATCH BASIN
N&W NAIL & WASHER	OP IRON PIPE	DICB DITCH INLET CATCH BASIN	LS LIGHT STD.

UTILITY SERVICES SYMBOLS		GRADING SYMBOLS	
GV GAS VALVE	GHUY HYDRO GUIDE WIRE	EXISTING GRADE (m)	SEDIMENT TRAP
GMK GAS MARKER	BGUY BELL GUIDE WIRE	PROPOSED GRADE (m)	DIRECTION OF SURFACE WATER
UP UTILITY POLE	HTAN HYDRO TRANSFORMER	PG = TOP OF CURB	
HP HYDRO POLE	BMK BELL MARKER	BB = BOTTOM OF CURB	
BP BELL POLE	BP BELL PEDESTAL	TW = TOP OF WALL	
LS LIGHT STD.	CMK CABLE TV MARKER	SW = SWALE	
HLH HYDRO LIGHT STD.	CTV CABLE PEDESTAL		

OTHER SYMBOLS		UNDERGROUND SERVICES	
TREELINE	FP FLAG POLE	ST STORM	PROPERTY LINES
TRAFFIC SIGN	DP DECORATIVE POLE	S SANITARY	OVER-HEAD WIRES
RAILWAY SIGN	BLR BOLLARD	B BELL / PHONE / CABLE	SILT FENCING - LIGHT DUTY
SN SIGN (OTHER)	PLR PILLAR	H HYDRO	SILT FENCING - HEAVY DUTY
OTL TRAFFIC LIGHT	GP GUARD POST	P P	SWALE / DIRECTION
TTCB TRAFFIC CONTROL BOX	PM MAIL BOX	G GAS	GRADE SLOPE INDICATOR
RSB RAILWAY SIGNAL CTRL BOX	PMK PARKING METER	W WATER	CW SLOPE (ABOVE), OVERALL DISTANCE (BELOW)
	AC AIR CONDITIONER		



KEY PLAN

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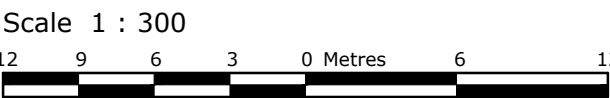
PROJECT

PROPOSED SITE PLAN OF

ALL OF LOTS 215-222, 228-231, 235-236
PART OF LOTS 223 & PART OF LANE
REGISTERED PLAN M-29 N.B.
GEOGRAPHIC TOWNSHIP OF DYMOND
DISTRICT OF TIMISKAMING

129 DAVIDSON STREET
NEW LISKEARD, ONTARIO

CITY FILE NO. NA



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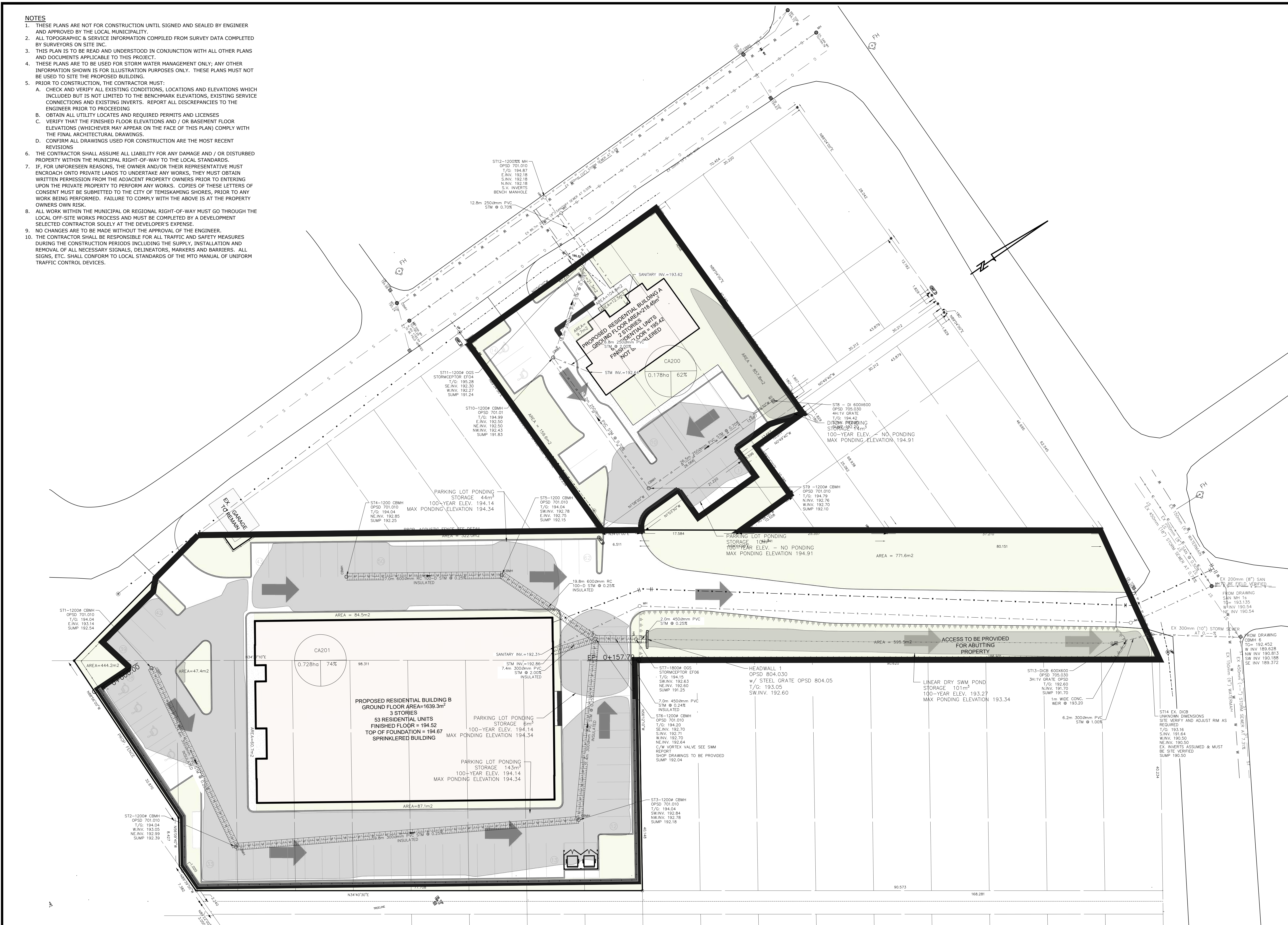
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1725 THORNTON ROAD NORTH
OSHAWA, ONTARIO

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EROSION & SILTATION PLAN		
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232602 - C101		1

Appendix D: Stormwater Management Plan

NOTES

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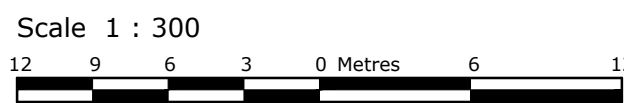
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REV. 1

STORM WATER MANAGEMENT PLAN

SURVEY SYMBOLS

■ FOUND MONUMENTS	PL REGISTERED PLAN
■ SET MONUMENTS	OU ORIGIN UNKNOWN
IB IRON BAR	M MEASURED
SB STD. IRON BAR	PROP PROPORTIONED
SSB SHORT STD. IRON BAR	WT WITNESS
CC CUT CROSS	BM BENCHMARK
N&W NAIL & WASHER	IP IRON PIPE

STORM, SANITARY, WATER SERVICE SYMBOLS

HYD FIRE HYDRANT	IS SPRINKLER HEAD
TH BOREHOLE	BH MONITORING WELL
CUL CULVERT	CB CATCH BASIN
CS CURB STOP VALVE	VC VALVE CHAMBER
DRN DRAIN	DB DITCH INLET CATCH BASIN
WELL WATER WELL	

UTILITY SERVICES SYMBOLS

MANH-S MANHOLE - SANITARY	MANH-S MANHOLE - SANITARY
MANH-S MANHOLE - STORM	MANH-S MANHOLE - STORM
CBMH CATCH BASIN MANHOLE	CBMH CATCH BASIN MANHOLE
DBL DBL. CATCH BASIN MANHOLE	DBL DBL. CATCH BASIN MANHOLE
MANH-H MANHOLE - HYDRO	MANH-H MANHOLE - HYDRO
MANH-T MANHOLE - TRAFFIC	MANH-T MANHOLE - TRAFFIC
MANH-B MANHOLE - BELL	MANH-B MANHOLE - BELL
MANH-F MANHOLE - FIBER OPTIC	MANH-F MANHOLE - FIBER OPTIC
MANH-U MANHOLE - UNSPECIFIED	MANH-U MANHOLE - UNSPECIFIED

GRADING SYMBOLS

GV GAS VALVE	GV GAS VALVE
GMK GAS MARKER	GMK GAS MARKER
UP UTILITY POLE	UP UTILITY POLE
HP HYDRO POLE	HP HYDRO POLE
BP BELL POLE	BP BELL POLE
LS LIGHT STD.	LS LIGHT STD.
HLS HYDRO LIGHT STD.	HLS HYDRO LIGHT STD.

OTHER SYMBOLS

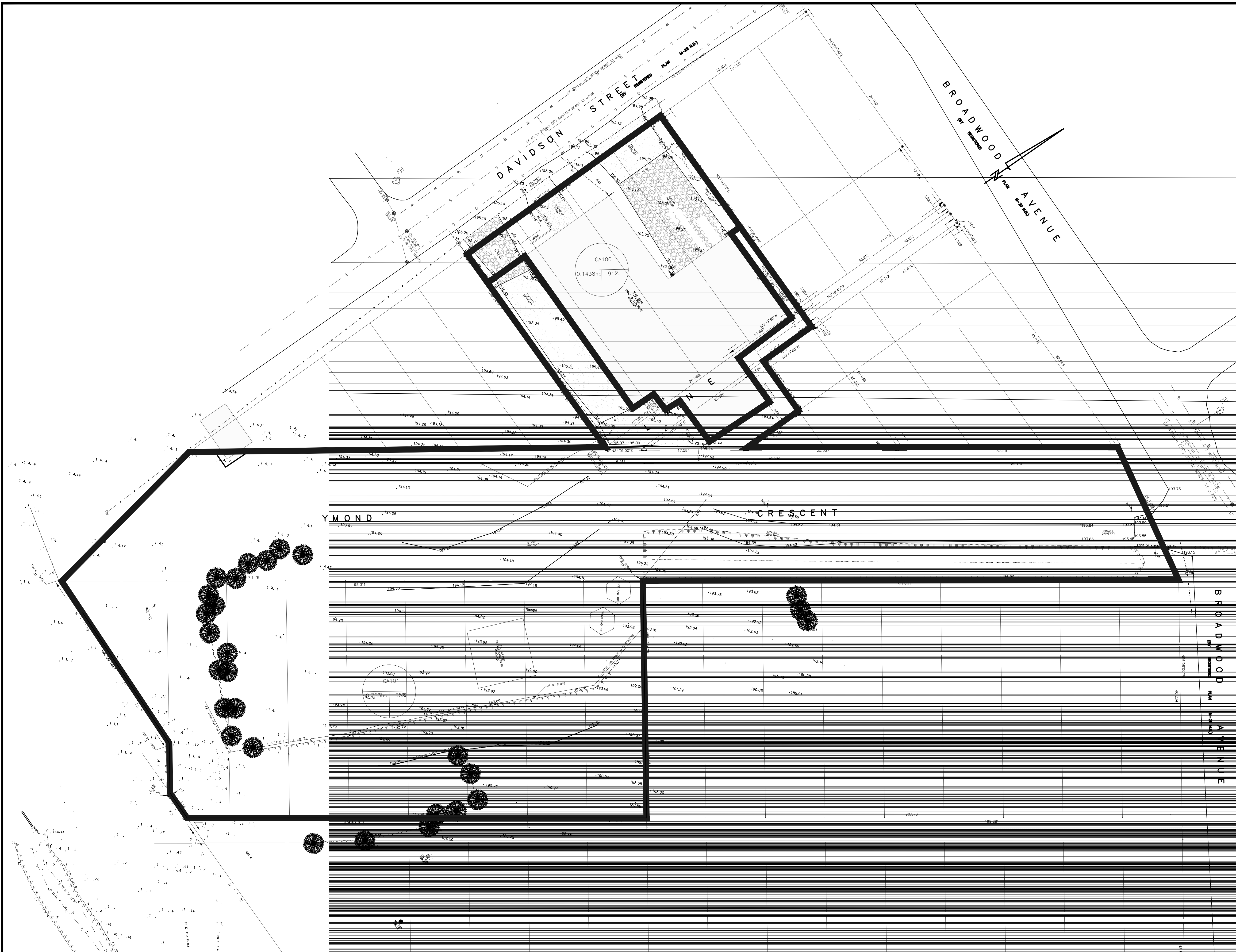
FP FLAG POLE	FP FLAG POLE
DP DECORATIVE POLE	DP DECORATIVE POLE
BLRD BOLLARD	BLRD BOLLARD
PLR PILLAR	PLR PILLAR
GP GUARD POST	GP GUARD POST
MB MAIL BOX	MB MAIL BOX
PMK PARKING METER	PMK PARKING METER
FL FLOOD LIGHT	FL FLOOD LIGHT
AC AIR CONDITIONER	AC AIR CONDITIONER

UNDERGROUND SERVICES

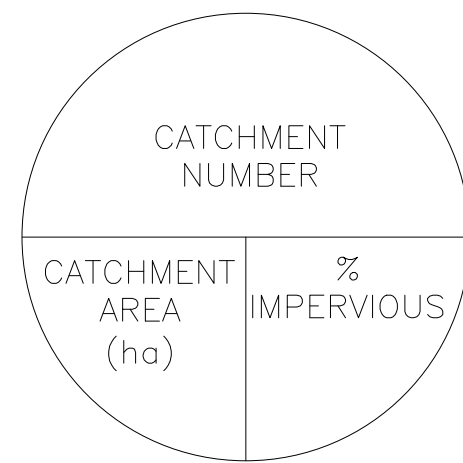
ST ST	ST ST
S S	S S
B B	B B
P P	P P
G G	G G
W W	W W

PROPERTY LINES

OWH OVER-HEAD WIRES	OWH OVER-HEAD WIRES
SILT FENCING - LIGHT DUTY	SILT FENCING - LIGHT DUTY
SILT FENCING - HEAVY DUTY	SILT FENCING - HEAVY DUTY
SWALE / DIRECTION	SWALE / DIRECTION
GRADE SLOPE INDICATOR	GRADE SLOPE INDICATOR
CW SLOPE (ABOVE), OVERALL DISTANCE (BELOW)	CW SLOPE (ABOVE), OVERALL DISTANCE (BELOW)



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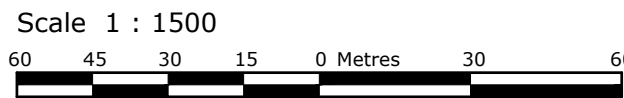
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SURVEY SYMBOLS		STORM, SANITARY, WATER SERVICE SYMBOLS		UTILITY SERVICES SYMBOLS		GRADING SYMBOLS		OTHER SYMBOLS		UNDERGROUND SERVICES	
■ FOUND MONUMENTS	L REGISTERED PLAN	INV = ## PIPE INVERT DIM.	HY FIRE HYDRANT	○ MH-S MANHOLE - SANITARY	○ GAS VALVE	EXISTING GRADE (m)	○ FR FLAG POLE	○ ST STORM	○ ST STORM	○ ST STORM	○ ST STORM
○ SET MONUMENTS	U ORIGIN UNKNOWN	○ W WATER VALVE	○ I SPRINKLER HEAD	○ MH-ST MANHOLE - STORM	○ GAS MARKER	PROPOSED GRADE (m)	○ DP DECORATIVE POLE	○ S SANITARY	○ S SANITARY	○ S SANITARY	○ S SANITARY
I IRON BAR	M MEASURED	○ V VALVE CHAMBER	○ TH TEST HOLE	○ CBM CATCH BASIN MANHOLE	○ UTILITY POLE	TO = TOP OF CURB	○ BOLLARD	○ B BELL	○ B BELL	○ B BELL	○ B BELL
I STD. IRON BAR	V PROPORTIONED	○ V CURB STOP VALVE	○ B BOREHOLE	○ MH-H MANHOLE - HYDRO	○ HYDRO TRANSFORMER	TO = TOP OF CURB	○ GUARD POST	○ R RAILWAY SIGN	○ R RAILWAY SIGN	○ R RAILWAY SIGN	○ R RAILWAY SIGN
I SHORT STD. IRON BAR	WT WITNESS	○ V VALVE CHAMBER	○ MW MONITORING WELL	○ MH-B MANHOLE - BELL	○ BELL POLE	TO = TOP OF CURB	○ G G	○ S SIGN (OTHER)	○ S SIGN (OTHER)	○ S SIGN (OTHER)	○ S SIGN (OTHER)
CUT CROSS	M BENCHMARK	○ V VALVE CHAMBER	○ UL CULVERT	○ MH-P MANHOLE - PIPER OPTIC	○ BELL FEDESTAL	TO = TOP OF CURB	○ P PARKING METER	○ P PARKING METER	○ P PARKING METER	○ P PARKING METER	○ P PARKING METER
N NAIL & WASHER	oi IRON PIPE	○ V VALVE CHAMBER	○ I DITCH INLET CATCH BASIN	○ MH-U MANHOLE - UNINSPECTED	○ CABLE FEDESTAL	TO = TOP OF CURB	○ T TRAFFIC LIGHT	○ T TRAFFIC LIGHT	○ T TRAFFIC LIGHT	○ T TRAFFIC LIGHT	○ T TRAFFIC LIGHT

Appendix E: Miduss Output

Miduss Output – Pre-development 1 in 2 Year Storm Event

" MIDUSS Output ----->"	" 31.000 Impervious length"	" 1 Equal length"
" MIDUSS version Version 2.25 rev. 473"	" 2.000 Impervious slope"	" 1 SCS method"
" MIDUSS created February 7, 2010"	" 0.250 Pervious Manning 'n'"	" 101 CA101-Drainage to Lakeshore"
" 10 Units used: ie METRIC"	" 75.000 Pervious SCS Curve No."	" 35.000 % Impervious"
" Job folder: C:\Users\joele\Antech	" 0.123 Pervious Runoff coefficient"	" 0.783 Total Area"
Dropbox\AntechDesign\"	" 0.100 Pervious Ia/S coefficient"	" 37.600 Flow length"
" ProjectFiles\JKDevelopments\232602-129Davidson-	" 8.467 Pervious Initial abstraction"	" 5.000 Overland Slope"
Apartment\2-	" 0.015 Impervious Manning 'n'"	" 0.509 Pervious Area"
Design\5..StormWaterManagementReport\2..Miduss"	" 98.000 Impervious SCS Curve No."	" 37.600 Pervious length"
" Output filename: Existing Conditions-	" 0.814 Impervious Runoff coefficient"	" 5.000 Pervious slope"
XYear.Out"	" 0.100 Impervious Ia/S coefficient"	" 0.274 Impervious Area"
" Licensee name:	" 0.518 Impervious Initial abstraction"	" 37.600 Impervious length"
joe.lefaive@antechdesign.com"	" 0.024 0.000 0.000 0.000 c.m/sec"	" 5.000 Impervious slope"
" Company Antech"	" Catchment 100 Pervious Impervious Total Area "	" 0.250 Pervious Manning 'n'"
" Date & Time last used: 2023-10-23 at 11:08:49	" Surface Area 0.013 0.131 0.144 hectare"	" 75.000 Pervious SCS Curve No."
AM"	" Time of concentration 33.760 2.281 2.744	" 0.123 Pervious Runoff coefficient"
" 31 TIME PARAMETERS"	minutes"	" 0.100 Pervious Ia/S coefficient"
" 5.000 Time Step"	" Time to Centroid 151.976 93.921 94.775	" 8.467 Pervious Initial abstraction"
" 180.000 Max. Storm length"	minutes"	" 0.015 Impervious Manning 'n'"
" 1500.000 Max. Hydrograph"	" Rainfall depth 26.946 26.946 26.946 mm"	" 95.000 Impervious SCS Curve No."
" 32 STORM Chicago storm"	" Rainfall volume 3.49 35.26 38.75 c.m"	" 0.619 Impervious Runoff coefficient"
" 1 Chicago storm"	" Rainfall losses 23.637 5.007 6.684 mm"	" 0.100 Impervious Ia/S coefficient"
" 340.500 Coefficient A"	" Runoff depth 3.310 21.939 20.263 mm"	" 1.337 Impervious Initial abstraction"
" 0.029 Constant B"	" Runoff volume 0.43 28.71 29.14 c.m"	" 0.038 0.000 0.024 0.024 c.m/sec"
" 0.700 Exponent C"	" Runoff coefficient 0.123 0.814 0.752 "	" Catchment 101 Pervious Impervious Total Area "
" 0.400 Fraction R"	" Maximum flow 0.000 0.024 0.024 c.m/sec"	" Surface Area 0.509 0.274 0.783 hectare"
" 180.000 Duration"	" 40 HYDROGRAPH Add Runoff "	" Time of concentration 28.795 2.181 9.347
" 1.000 Time step multiplier"	" 4 Add Runoff "	minutes"
" Maximum intensity 109.921 mm/hr"	" 0.024 0.024 0.000 0.000"	" Time to Centroid 145.745 98.014 110.866
" Total depth 26.946 mm"	" 40 HYDROGRAPH Copy to Outflow"	minutes"
" 6 002hyd Hydrograph extension used in this file"	" 8 Copy to Outflow"	" Rainfall depth 26.946 26.946 26.946 mm"
" 33 CATCHMENT 100"	" 0.024 0.024 0.024 0.000"	" Rainfall volume 137.15 73.85 211.00 c.m"
" 1 Triangular SCS"	" 40 HYDROGRAPH Combine 1"	" Rainfall losses 23.639 10.277 18.962 mm"
" 1 Equal length"	" 6 Combine "	" Runoff depth 3.308 16.670 7.984 mm"
" 1 SCS method"	" 1 Node #"	" Runoff volume 16.84 45.69 62.52 c.m"
" 100 CA100-Drainage to Davidson"	" Site Totals"	" Runoff coefficient 0.123 0.619 0.296 "
" 91.000 % Impervious"	" Maximum flow 0.024 c.m/sec"	" Maximum flow 0.003 0.038 0.038 c.m/sec"
" 0.144 Total Area"	" Hydrograph volume 29.140 c.m"	" 40 HYDROGRAPH Add Runoff "
" 31.000 Flow length"	" 0.024 0.024 0.024 0.024"	" 4 Add Runoff "
" 2.000 Overland Slope"	" 40 HYDROGRAPH Start - New Tributary"	" 0.038 0.038 0.024 0.024"
" 0.013 Pervious Area"	" 2 Start - New Tributary"	" 40 HYDROGRAPH Copy to Outflow"
" 31.000 Pervious length"	" 0.024 0.000 0.024 0.024"	" 8 Copy to Outflow"
" 2.000 Pervious slope"	" 33 CATCHMENT 101"	" 0.038 0.038 0.038 0.024"
" 0.131 Impervious Area"	" 1 Triangular SCS"	" 40 HYDROGRAPH Combine 1"

Miduss Output – Pre-development 1 in 2 Year Storm Event

```
"      6 Combine "  
"      1 Node #"  
"      Site Totals"  
"      Maximum flow      0.062 c.m/sec"  
"      Hydrograph volume  91.660 c.m"  
"      0.038  0.038  0.038  0.062"  
" 40 HYDROGRAPH Confluence 1"  
"      7 Confluence "  
"      1 Node #"  
"      Site Totals"  
"      Maximum flow      0.062 c.m/sec"  
"      Hydrograph volume  91.660 c.m"  
"      0.038  0.062  0.038  0.000"
```

Miduss Output – Pre-development 1 in 5 Year Storm Event

" MIDUSS Output ----->"	" 31.000 Impervious length"	" 1 Equal length"
" MIDUSS version Version 2.25 rev. 473"	" 2.000 Impervious slope"	" 1 SCS method"
" MIDUSS created February 7, 2010"	" 0.250 Pervious Manning 'n'"	" 101 CA101-Drainage to Lakeshore"
" 10 Units used: ie METRIC"	" 75.000 Pervious SCS Curve No."	" 35.000 % Impervious"
" Job folder: C:\Users\joele\Antech	" 0.189 Pervious Runoff coefficient"	" 0.783 Total Area"
Dropbox\AntechDesign\"	" 0.100 Pervious Ia/S coefficient"	" 37.600 Flow length"
" ProjectFiles\JKDevelopments\232602-129Davidson-	" 8.467 Pervious Initial abstraction"	" 5.000 Overland Slope"
Apartment\2-	" 0.015 Impervious Manning 'n'"	" 0.509 Pervious Area"
Design\5..StormWaterManagementReport\2..Miduss"	" 98.000 Impervious SCS Curve No."	" 37.600 Pervious length"
" Output filename: Existing Conditions-	" 0.851 Impervious Runoff coefficient"	" 5.000 Pervious slope"
XYear.Out"	" 0.100 Impervious Ia/S coefficient"	" 0.274 Impervious Area"
" Licensee name:	" 0.518 Impervious Initial abstraction"	" 37.600 Impervious length"
joe.lefaive@antechdesign.com"	" 0.036 0.000 0.000 0.000 c.m/sec"	" 5.000 Impervious slope"
" Company Antech"	" Catchment 100 Pervious Impervious Total Area "	" 0.250 Pervious Manning 'n'"
" Date & Time last used: 2023-10-23 at 11:08:49	" Surface Area 0.013 0.131 0.144 hectare"	" 75.000 Pervious SCS Curve No."
AM"	" Time of concentration 22.514 1.994 2.435	" 0.189 Pervious Runoff coefficient"
" 31 TIME PARAMETERS"	minutes"	" 0.100 Pervious Ia/S coefficient"
" 5.000 Time Step"	" Time to Centroid 136.854 92.437 93.390	" 8.467 Pervious Initial abstraction"
" 180.000 Max. Storm length"	minutes"	" 0.015 Impervious Manning 'n'"
" 1500.000 Max. Hydrograph"	" Rainfall depth 36.200 36.200 36.200 mm"	" 95.000 Impervious SCS Curve No."
" 32 STORM Chicago storm"	" Rainfall volume 4.69 47.44 52.13 c.m"	" 0.687 Impervious Runoff coefficient"
" 1 Chicago storm"	" Rainfall losses 29.368 5.394 7.552 mm"	" 0.100 Impervious Ia/S coefficient"
" 455.500 Coefficient A"	" Runoff depth 6.832 30.805 28.648 mm"	" 1.337 Impervious Initial abstraction"
" 0.012 Constant B"	" Runoff volume 0.89 40.37 41.25 c.m"	" 0.062 0.000 0.036 0.036 c.m/sec"
" 0.699 Exponent C"	" Runoff coefficient 0.189 0.851 0.791 "	" Catchment 101 Pervious Impervious Total Area "
" 0.400 Fraction R"	" Maximum flow 0.000 0.036 0.036 c.m/sec"	" Surface Area 0.509 0.274 0.783 hectare"
" 180.000 Duration"	" 40 HYDROGRAPH Add Runoff "	" Time of concentration 19.203 1.847 7.708
" 1.000 Time step multiplier"	" 4 Add Runoff "	minutes"
" Maximum intensity 147.580 mm/hr"	" 0.036 0.036 0.000 0.000"	" Time to Centroid 132.285 95.924 108.202
" Total depth 36.200 mm"	" 40 HYDROGRAPH Copy to Outflow"	minutes"
" 6 005hyd Hydrograph extension used in this file"	" 8 Copy to Outflow"	" Rainfall depth 36.200 36.200 36.200 mm"
" 33 CATCHMENT 100"	" 0.036 0.036 0.036 0.000"	" Rainfall volume 184.24 99.20 283.44 c.m"
" 1 Triangular SCS"	" 40 HYDROGRAPH Combine 1"	" Rainfall losses 29.372 11.330 23.057 mm"
" 1 Equal length"	" 6 Combine "	" Runoff depth 6.827 24.870 13.142 mm"
" 1 SCS method"	" 1 Node #"	" Runoff volume 34.75 68.16 102.90 c.m"
" 100 CA100-Drainage to Davidson"	" Site Totals"	" Runoff coefficient 0.189 0.687 0.363 "
" 91.000 % Impervious"	" Maximum flow 0.036 c.m/sec"	" Maximum flow 0.009 0.061 0.062 c.m/sec"
" 0.144 Total Area"	" Hydrograph volume 41.253 c.m"	" 40 HYDROGRAPH Add Runoff "
" 31.000 Flow length"	" 0.036 0.036 0.036 0.036"	" 4 Add Runoff "
" 2.000 Overland Slope"	" 40 HYDROGRAPH Start - New Tributary"	" 0.062 0.062 0.036 0.036"
" 0.013 Pervious Area"	" 2 Start - New Tributary"	" 40 HYDROGRAPH Copy to Outflow"
" 31.000 Pervious length"	" 0.036 0.000 0.036 0.036"	" 8 Copy to Outflow"
" 2.000 Pervious slope"	" 33 CATCHMENT 101"	" 0.062 0.062 0.062 0.036"
" 0.131 Impervious Area"	" 1 Triangular SCS"	" 40 HYDROGRAPH Combine 1"

Miduss Output – Pre-development 1 in 5 Year Storm Event

```
"      6 Combine "  
"      1 Node #"  
"      Site Totals"  
"      Maximum flow      0.098 c.m/sec"  
"      Hydrograph volume  144.155 c.m"  
"      0.062  0.062  0.062  0.098"  
" 40 HYDROGRAPH Confluence 1"  
"      7 Confluence "  
"      1 Node #"  
"      Site Totals"  
"      Maximum flow      0.098 c.m/sec"  
"      Hydrograph volume  144.155 c.m"  
"      0.062  0.098  0.062  0.000"
```


Miduss Output – Pre-development 1 in 10 Year Storm Event

" MIDUSS Output ----->"	" 31.000 Impervious length"	" 1 Equal length"
" MIDUSS version Version 2.25 rev. 473"	" 2.000 Impervious slope"	" 1 SCS method"
" MIDUSS created February 7, 2010"	" 0.250 Pervious Manning 'n'"	" 101 CA101-Drainage to Lakeshore"
" 10 Units used: ie METRIC"	" 75.000 Pervious SCS Curve No."	" 35.000 % Impervious"
" Job folder: C:\Users\joele\Antech	" 0.227 Pervious Runoff coefficient"	" 0.783 Total Area"
Dropbox\AntechDesign\"	" 0.100 Pervious Ia/S coefficient"	" 37.600 Flow length"
" ProjectFiles\JKDevelopments\232602-129Davidson-	" 8.467 Pervious Initial abstraction"	" 5.000 Overland Slope"
Apartment\2-	" 0.015 Impervious Manning 'n'"	" 0.509 Pervious Area"
Design\5..StormWaterManagementReport\2..Miduss"	" 98.000 Impervious SCS Curve No."	" 37.600 Pervious length"
" Output filename: Existing Conditions-	" 0.867 Impervious Runoff coefficient"	" 5.000 Pervious slope"
XYear.Out"	" 0.100 Impervious Ia/S coefficient"	" 0.274 Impervious Area"
" Licensee name:	" 0.518 Impervious Initial abstraction"	" 37.600 Impervious length"
joe.lefaive@antechdesign.com"	" 0.043 0.000 0.000 0.000 c.m/sec"	" 5.000 Impervious slope"
" Company Antech"	" Catchment 100 Pervious Impervious Total Area "	" 0.250 Pervious Manning 'n'"
" Date & Time last used: 2023-10-23 at 11:08:49	" Surface Area 0.013 0.131 0.144 hectare"	" 75.000 Pervious SCS Curve No."
AM"	" Time of concentration 19.057 1.867 2.302	" 0.227 Pervious Runoff coefficient"
" 31 TIME PARAMETERS"	minutes"	" 0.100 Pervious Ia/S coefficient"
" 5.000 Time Step"	" Time to Centroid 131.135 91.663 92.662	" 8.467 Pervious Initial abstraction"
" 180.000 Max. Storm length"	minutes"	" 0.015 Impervious Manning 'n'"
" 1500.000 Max. Hydrograph"	" Rainfall depth 42.229 42.229 42.229 mm"	" 95.000 Impervious SCS Curve No."
" 32 STORM Chicago storm"	" Rainfall volume 5.47 55.34 60.81 c.m"	" 0.718 Impervious Runoff coefficient"
" 1 Chicago storm"	" Rainfall losses 32.624 5.632 8.061 mm"	" 0.100 Impervious Ia/S coefficient"
" 535.700 Coefficient A"	" Runoff depth 9.605 36.598 34.168 mm"	" 1.337 Impervious Initial abstraction"
" 0.094 Constant B"	" Runoff volume 1.24 47.96 49.20 c.m"	" 0.079 0.000 0.043 0.043 c.m/sec"
" 0.701 Exponent C"	" Runoff coefficient 0.227 0.867 0.809 "	" Catchment 101 Pervious Impervious Total Area "
" 0.400 Fraction R"	" Maximum flow 0.000 0.043 0.043 c.m/sec"	" Surface Area 0.509 0.274 0.783 hectare"
" 180.000 Duration"	" 40 HYDROGRAPH Add Runoff "	" Time of concentration 16.254 1.706 7.094
" 1.000 Time step multiplier"	" 4 Add Runoff "	minutes"
" Maximum intensity 171.202 mm/hr"	" 0.043 0.043 0.000 0.000"	" Time to Centroid 127.216 94.969 106.912
" Total depth 42.229 mm"	" 40 HYDROGRAPH Copy to Outflow"	minutes"
" 6 010hyd Hydrograph extension used in this file"	" 8 Copy to Outflow"	" Rainfall depth 42.229 42.229 42.229 mm"
" 33 CATCHMENT 100"	" 0.043 0.043 0.043 0.000"	" Rainfall volume 214.93 115.73 330.66 c.m"
" 1 Triangular SCS"	" 40 HYDROGRAPH Combine 1"	" Rainfall losses 32.633 11.928 25.386 mm"
" 1 Equal length"	" 6 Combine "	" Runoff depth 9.597 30.301 16.843 mm"
" 1 SCS method"	" 1 Node #"	" Runoff volume 48.84 83.04 131.88 c.m"
" 100 CA100-Drainage to Davidson"	" Site Totals"	" Runoff coefficient 0.227 0.718 0.399 "
" 91.000 % Impervious"	" Maximum flow 0.043 c.m/sec"	" Maximum flow 0.016 0.076 0.079 c.m/sec"
" 0.144 Total Area"	" Hydrograph volume 49.202 c.m"	" 40 HYDROGRAPH Add Runoff "
" 31.000 Flow length"	" 0.043 0.043 0.043 0.043"	" 4 Add Runoff "
" 2.000 Overland Slope"	" 40 HYDROGRAPH Start - New Tributary"	" 0.079 0.079 0.043 0.043"
" 0.013 Pervious Area"	" 2 Start - New Tributary"	" 40 HYDROGRAPH Copy to Outflow"
" 31.000 Pervious length"	" 0.043 0.000 0.043 0.043"	" 8 Copy to Outflow"
" 2.000 Pervious slope"	" 33 CATCHMENT 101"	" 0.079 0.079 0.079 0.043"
" 0.131 Impervious Area"	" 1 Triangular SCS"	" 40 HYDROGRAPH Combine 1"

Miduss Output – Pre-development 1 in 10 Year Storm Event

```
"      6 Combine "  
"      1 Node #"  
"      Site Totals"  
"      Maximum flow      0.122 c.m/sec"  
"      Hydrograph volume  181.085 c.m"  
"      0.079  0.079  0.079  0.122"  
" 40 HYDROGRAPH Confluence 1"  
"      7 Confluence "  
"      1 Node #"  
"      Site Totals"  
"      Maximum flow      0.122 c.m/sec"  
"      Hydrograph volume  181.085 c.m"  
"      0.079  0.122  0.079  0.000"
```

Miduss Output – Pre-development 1 in 25 Year Storm Event

" MIDUSS Output ----->"	" 31.000 Impervious length"	" 1 Equal length"
" MIDUSS version Version 2.25 rev. 473"	" 2.000 Impervious slope"	" 1 SCS method"
" MIDUSS created February 7, 2010"	" 0.250 Pervious Manning 'n'"	" 101 CA101-Drainage to Lakeshore"
" 10 Units used: ie METRIC"	" 75.000 Pervious SCS Curve No."	" 35.000 % Impervious"
" Job folder: C:\Users\joele\Antech	" 0.272 Pervious Runoff coefficient"	" 0.783 Total Area"
Dropbox\AntechDesign\"	" 0.100 Pervious Ia/S coefficient"	" 37.600 Flow length"
" ProjectFiles\JKDevelopments\232602-129Davidson-	" 8.467 Pervious Initial abstraction"	" 5.000 Overland Slope"
Apartment\2-	" 0.015 Impervious Manning 'n'"	" 0.509 Pervious Area"
Design\5..StormWaterManagementReport\2..Miduss"	" 98.000 Impervious SCS Curve No."	" 37.600 Pervious length"
" Output filename: Existing Conditions-	" 0.882 Impervious Runoff coefficient"	" 5.000 Pervious slope"
XYear.Out"	" 0.100 Impervious Ia/S coefficient"	" 0.274 Impervious Area"
" Licensee name:	" 0.518 Impervious Initial abstraction"	" 37.600 Impervious length"
joe.lefaive@antechdesign.com"	" 0.053 0.000 0.000 0.000 c.m/sec"	" 5.000 Impervious slope"
" Company Antech"	" Catchment 100 Pervious Impervious Total Area "	" 0.250 Pervious Manning 'n'"
" Date & Time last used: 2023-10-23 at 11:08:49	" Surface Area 0.013 0.131 0.144 hectare"	" 75.000 Pervious SCS Curve No."
AM"	" Time of concentration 16.198 1.738 2.166	" 0.272 Pervious Runoff coefficient"
" 31 TIME PARAMETERS"	minutes"	" 0.100 Pervious Ia/S coefficient"
" 5.000 Time Step"	" Time to Centroid 126.183 90.879 91.923	" 8.467 Pervious Initial abstraction"
" 180.000 Max. Storm length"	minutes"	" 0.015 Impervious Manning 'n'"
" 1500.000 Max. Hydrograph"	" Rainfall depth 49.912 49.912 49.912 mm"	" 95.000 Impervious SCS Curve No."
" 32 STORM Chicago storm"	" Rainfall volume 6.47 65.40 71.87 c.m"	" 0.750 Impervious Runoff coefficient"
" 1 Chicago storm"	" Rainfall losses 36.337 5.893 8.633 mm"	" 0.100 Impervious Ia/S coefficient"
" 634.200 Coefficient A"	" Runoff depth 13.575 44.019 41.279 mm"	" 1.337 Impervious Initial abstraction"
" 0.117 Constant B"	" Runoff volume 1.76 57.68 59.44 c.m"	" 0.102 0.000 0.053 0.053 c.m/sec"
" 0.701 Exponent C"	" Runoff coefficient 0.272 0.882 0.827 "	" Catchment 101 Pervious Impervious Total Area "
" 0.400 Fraction R"	" Maximum flow 0.001 0.052 0.053 c.m/sec"	" Surface Area 0.509 0.274 0.783 hectare"
" 180.000 Duration"	" 40 HYDROGRAPH Add Runoff "	" Time of concentration 13.815 1.568 6.502
" 1.000 Time step multiplier"	" 4 Add Runoff "	minutes"
" Maximum intensity 201.933 mm/hr"	" 0.053 0.053 0.000 0.000"	" Time to Centroid 122.666 94.090 105.601
" Total depth 49.912 mm"	" 40 HYDROGRAPH Copy to Outflow"	minutes"
" 6 025hyd Hydrograph extension used in this file"	" 8 Copy to Outflow"	" Rainfall depth 49.912 49.912 49.912 mm"
" 33 CATCHMENT 100"	" 0.053 0.053 0.053 0.000"	" Rainfall volume 254.03 136.78 390.81 c.m"
" 1 Triangular SCS"	" 40 HYDROGRAPH Combine 1"	" Rainfall losses 36.313 12.473 27.969 mm"
" 1 Equal length"	" 6 Combine "	" Runoff depth 13.598 37.439 21.943 mm"
" 1 SCS method"	" 1 Node #"	" Runoff volume 69.21 102.60 171.81 c.m"
" 100 CA100-Drainage to Davidson"	" Site Totals"	" Runoff coefficient 0.272 0.750 0.440 "
" 91.000 % Impervious"	" Maximum flow 0.053 c.m/sec"	" Maximum flow 0.026 0.096 0.102 c.m/sec"
" 0.144 Total Area"	" Hydrograph volume 59.442 c.m"	" 40 HYDROGRAPH Add Runoff "
" 31.000 Flow length"	" 0.053 0.053 0.053 0.053"	" 4 Add Runoff "
" 2.000 Overland Slope"	" 40 HYDROGRAPH Start - New Tributary"	" 0.102 0.102 0.053 0.053"
" 0.013 Pervious Area"	" 2 Start - New Tributary"	" 40 HYDROGRAPH Copy to Outflow"
" 31.000 Pervious length"	" 0.053 0.000 0.053 0.053"	" 8 Copy to Outflow"
" 2.000 Pervious slope"	" 33 CATCHMENT 101"	" 0.102 0.102 0.102 0.053"
" 0.131 Impervious Area"	" 1 Triangular SCS"	" 40 HYDROGRAPH Combine 1"

Miduss Output – Pre-development 1 in 25 Year Storm Event

```
"      6 Combine "  
"      1 Node #"  
"      Site Totals"  
"      Maximum flow      0.155 c.m/sec"  
"      Hydrograph volume  231.253 c.m"  
"      0.102  0.102  0.102  0.155"  
" 40 HYDROGRAPH Confluence 1"  
"      7 Confluence "  
"      1 Node #"  
"      Site Totals"  
"      Maximum flow      0.155 c.m/sec"  
"      Hydrograph volume  231.253 c.m"  
"      0.102  0.155  0.102  0.000"
```

Miduss Output – Pre-development 1 in 50 Year Storm Event

" MIDUSS Output ----->"	" 31.000 Impervious length"	" 1 Equal length"
" MIDUSS version Version 2.25 rev. 473"	" 2.000 Impervious slope"	" 1 SCS method"
" MIDUSS created February 7, 2010"	" 0.250 Pervious Manning 'n'"	" 101 CA101-Drainage to Lakeshore"
" 10 Units used: ie METRIC"	" 75.000 Pervious SCS Curve No."	" 35.000 % Impervious"
" Job folder: C:\Users\joele\Antech	" 0.302 Pervious Runoff coefficient"	" 0.783 Total Area"
Dropbox\AntechDesign\"	" 0.100 Pervious Ia/S coefficient"	" 37.600 Flow length"
" ProjectFiles\JKDevelopments\232602-129Davidson-	" 8.467 Pervious Initial abstraction"	" 5.000 Overland Slope"
Apartment\2-	" 0.015 Impervious Manning 'n'"	" 0.509 Pervious Area"
Design\5..StormWaterManagementReport\2..Miduss"	" 98.000 Impervious SCS Curve No."	" 37.600 Pervious length"
" Output filename: Existing Conditions-	" 0.890 Impervious Runoff coefficient"	" 5.000 Pervious slope"
XYear.Out"	" 0.100 Impervious Ia/S coefficient"	" 0.274 Impervious Area"
" Licensee name:	" 0.518 Impervious Initial abstraction"	" 37.600 Impervious length"
joe.lefaive@antechdesign.com"	" 0.059 0.000 0.000 0.000 c.m/sec"	" 5.000 Impervious slope"
" Company Antech"	" Catchment 100 Pervious Impervious Total Area "	" 0.250 Pervious Manning 'n'"
" Date & Time last used: 2023-10-23 at 11:08:49	" Surface Area 0.013 0.131 0.144 hectare"	" 75.000 Pervious SCS Curve No."
AM"	" Time of concentration 14.720 1.661 2.085	" 0.301 Pervious Runoff coefficient"
" 31 TIME PARAMETERS"	minutes"	" 0.100 Pervious Ia/S coefficient"
" 5.000 Time Step"	" Time to Centroid 123.415 90.435 91.506	" 8.467 Pervious Initial abstraction"
" 180.000 Max. Storm length"	minutes"	" 0.015 Impervious Manning 'n'"
" 1500.000 Max. Hydrograph"	" Rainfall depth 55.452 55.452 55.452 mm"	" 95.000 Impervious SCS Curve No."
" 32 STORM Chicago storm"	" Rainfall volume 7.19 72.66 79.85 c.m"	" 0.768 Impervious Runoff coefficient"
" 1 Chicago storm"	" Rainfall losses 38.692 6.075 9.010 mm"	" 0.100 Impervious Ia/S coefficient"
" 702.700 Coefficient A"	" Runoff depth 16.760 49.377 46.442 mm"	" 1.337 Impervious Initial abstraction"
" 0.093 Constant B"	" Runoff volume 2.17 64.70 66.88 c.m"	" 0.120 0.000 0.059 0.059 c.m/sec"
" 0.701 Exponent C"	" Runoff coefficient 0.302 0.890 0.838 "	" Catchment 101 Pervious Impervious Total Area "
" 0.400 Fraction R"	" Maximum flow 0.001 0.059 0.059 c.m/sec"	" Surface Area 0.509 0.274 0.783 hectare"
" 180.000 Duration"	" 40 HYDROGRAPH Add Runoff "	" Time of concentration 12.555 1.488 6.154
" 1.000 Time step multiplier"	" 4 Add Runoff "	minutes"
" Maximum intensity 224.671 mm/hr"	" 0.059 0.059 0.000 0.000"	" Time to Centroid 120.255 93.569 104.821
" Total depth 55.452 mm"	" 40 HYDROGRAPH Copy to Outflow"	minutes"
" 6 050hyd Hydrograph extension used in this file"	" 8 Copy to Outflow"	" Rainfall depth 55.452 55.452 55.452 mm"
" 33 CATCHMENT 100"	" 0.059 0.059 0.059 0.000"	" Rainfall volume 282.22 151.97 434.19 c.m"
" 1 Triangular SCS"	" 40 HYDROGRAPH Combine 1"	" Rainfall losses 38.734 12.865 29.680 mm"
" 1 Equal length"	" 6 Combine "	" Runoff depth 16.718 42.587 25.772 mm"
" 1 SCS method"	" 1 Node #"	" Runoff volume 85.09 116.71 201.80 c.m"
" 100 CA100-Drainage to Davidson"	" Site Totals"	" Runoff coefficient 0.301 0.768 0.465 "
" 91.000 % Impervious"	" Maximum flow 0.059 c.m/sec"	" Maximum flow 0.034 0.111 0.120 c.m/sec"
" 0.144 Total Area"	" Hydrograph volume 66.876 c.m"	" 40 HYDROGRAPH Add Runoff "
" 31.000 Flow length"	" 0.059 0.059 0.059 0.059"	" 4 Add Runoff "
" 2.000 Overland Slope"	" 40 HYDROGRAPH Start - New Tributary"	" 0.120 0.120 0.059 0.059"
" 0.013 Pervious Area"	" 2 Start - New Tributary"	" 40 HYDROGRAPH Copy to Outflow"
" 31.000 Pervious length"	" 0.059 0.000 0.059 0.059"	" 8 Copy to Outflow"
" 2.000 Pervious slope"	" 33 CATCHMENT 101"	" 0.120 0.120 0.120 0.059"
" 0.131 Impervious Area"	" 1 Triangular SCS"	" 40 HYDROGRAPH Combine 1"

Miduss Output – Pre-development 1 in 50 Year Storm Event

```
"      6 Combine "  
"      1 Node #"  
"      Site Totals"  
"      Maximum flow      0.179 c.m/sec"  
"      Hydrograph volume  268.672 c.m"  
"      0.120  0.120  0.120  0.179"  
" 40 HYDROGRAPH Confluence 1"  
"      7 Confluence "  
"      1 Node #"  
"      Site Totals"  
"      Maximum flow      0.179 c.m/sec"  
"      Hydrograph volume  268.672 c.m"  
"      0.120  0.179  0.120  0.000"
```

Miduss Output – Pre-development 1 in 100 Year Storm Event

" MIDUSS Output ----->"	" 31.000 Impervious length"	" 1 Equal length"
" MIDUSS version Version 2.25 rev. 473"	" 2.000 Impervious slope"	" 1 SCS method"
" MIDUSS created February 7, 2010"	" 0.250 Pervious Manning 'n'"	" 101 CA101-Drainage to Lakeshore"
" 10 Units used: ie METRIC"	" 75.000 Pervious SCS Curve No."	" 35.000 % Impervious"
" Job folder: C:\Users\joele\Antech	" 0.329 Pervious Runoff coefficient"	" 0.783 Total Area"
Dropbox\AntechDesign\"	" 0.100 Pervious Ia/S coefficient"	" 37.600 Flow length"
" ProjectFiles\JKDevelopments\232602-129Davidson-	" 8.467 Pervious Initial abstraction"	" 5.000 Overland Slope"
Apartment\2-	" 0.015 Impervious Manning 'n'"	" 0.509 Pervious Area"
Design\5..StormWaterManagementReport\2..Miduss"	" 98.000 Impervious SCS Curve No."	" 37.600 Pervious length"
" Output filename: Existing Conditions-	" 0.898 Impervious Runoff coefficient"	" 5.000 Pervious slope"
YYear.Out"	" 0.100 Impervious Ia/S coefficient"	" 0.274 Impervious Area"
" Licensee name:	" 0.518 Impervious Initial abstraction"	" 37.600 Impervious length"
joe.lefaive@antechdesign.com"	" 0.067 0.000 0.000 0.000 c.m/sec"	" 5.000 Impervious slope"
" Company Antech"	" Catchment 100 Pervious Impervious Total Area "	" 0.250 Pervious Manning 'n'"
" Date & Time last used: 2023-10-23 at 11:08:49	" Surface Area 0.013 0.131 0.144 hectare"	" 75.000 Pervious SCS Curve No."
AM"	" Time of concentration 13.550 1.594 2.013	" 0.330 Pervious Runoff coefficient"
" 31 TIME PARAMETERS"	minutes"	" 0.100 Pervious Ia/S coefficient"
" 5.000 Time Step"	" Time to Centroid 121.179 90.070 91.158	" 8.467 Pervious Initial abstraction"
" 180.000 Max. Storm length"	minutes"	" 0.015 Impervious Manning 'n'"
" 1500.000 Max. Hydrograph"	" Rainfall depth 61.033 61.033 61.033 mm"	" 95.000 Impervious SCS Curve No."
" 32 STORM Chicago storm"	" Rainfall volume 7.91 79.98 87.89 c.m"	" 0.783 Impervious Runoff coefficient"
" 1 Chicago storm"	" Rainfall losses 40.950 6.253 9.375 mm"	" 0.100 Impervious Ia/S coefficient"
" 773.400 Coefficient A"	" Runoff depth 20.083 54.780 51.658 mm"	" 1.337 Impervious Initial abstraction"
" 0.084 Constant B"	" Runoff volume 2.60 71.78 74.39 c.m"	" 0.138 0.000 0.067 0.067 c.m/sec"
" 0.701 Exponent C"	" Runoff coefficient 0.329 0.898 0.846 "	" Catchment 101 Pervious Impervious Total Area "
" 0.400 Fraction R"	" Maximum flow 0.001 0.066 0.067 c.m/sec"	" Surface Area 0.509 0.274 0.783 hectare"
" 180.000 Duration"	" 40 HYDROGRAPH Add Runoff "	" Time of concentration 11.557 1.420 5.867
" 1.000 Time step multiplier"	" 4 Add Runoff "	minutes"
" Maximum intensity 247.562 mm/hr"	" 0.067 0.067 0.000 0.000"	" Time to Centroid 118.165 93.087 104.090
" Total depth 61.033 mm"	" 40 HYDROGRAPH Copy to Outflow"	minutes"
" 6 100hyd Hydrograph extension used in this file"	" 8 Copy to Outflow"	" Rainfall depth 61.033 61.033 61.033 mm"
" 33 CATCHMENT 100"	" 0.067 0.067 0.067 0.000"	" Rainfall volume 310.63 167.26 477.89 c.m"
" 1 Triangular SCS"	" 40 HYDROGRAPH Combine 1"	" Rainfall losses 40.916 13.239 31.229 mm"
" 1 Equal length"	" 6 Combine "	" Runoff depth 20.117 47.794 29.804 mm"
" 1 SCS method"	" 1 Node #"	" Runoff volume 102.39 130.98 233.37 c.m"
" 100 CA100-Drainage to Davidson"	" Site Totals"	" Runoff coefficient 0.330 0.783 0.488 "
" 91.000 % Impervious"	" Maximum flow 0.067 c.m/sec"	" Maximum flow 0.042 0.126 0.138 c.m/sec"
" 0.144 Total Area"	" Hydrograph volume 74.387 c.m"	" 40 HYDROGRAPH Add Runoff "
" 31.000 Flow length"	" 0.067 0.067 0.067 0.067"	" 4 Add Runoff "
" 2.000 Overland Slope"	" 40 HYDROGRAPH Start - New Tributary"	" 0.138 0.138 0.067 0.067"
" 0.013 Pervious Area"	" 2 Start - New Tributary"	" 40 HYDROGRAPH Copy to Outflow"
" 31.000 Pervious length"	" 0.067 0.000 0.067 0.067"	" 8 Copy to Outflow"
" 2.000 Pervious slope"	" 33 CATCHMENT 101"	" 0.138 0.138 0.138 0.067"
" 0.131 Impervious Area"	" 1 Triangular SCS"	" 40 HYDROGRAPH Combine 1"

Miduss Output – Pre-development 1 in 100 Year Storm Event

```
"      6 Combine "  
"      1 Node #"  
"      Site Totals"  
"      Maximum flow      0.205 c.m/sec"  
"      Hydrograph volume  307.752 c.m"  
"      0.138  0.138  0.138  0.205"  
" 40 HYDROGRAPH Confluence 1"  
"      7 Confluence "  
"      1 Node #"  
"      Site Totals"  
"      Maximum flow      0.205 c.m/sec"  
"      Hydrograph volume  307.752 c.m"  
"      0.138  0.205  0.138  0.000"
```


Miduss Output – Post-development 1 in 2 Year Storm Event

" MIDUSS Output ----->"	" 0.110 Impervious Area"	" 192.937 0.05225 1.00E-07"
" MIDUSS version Version 2.25 rev. 473"	" 34.400 Impervious length"	" 193.071 0.06629 1.00E-07"
" MIDUSS created February 7, 2010"	" 1.000 Impervious slope"	" 193.205 0.07791 1.00E-07"
" 10 Units used: ie METRIC"	" 0.250 Pervious Manning 'n'"	" 193.339 0.08801 1.00E-07"
" Job folder: C:\Users\joele\Antech	" 75.000 Pervious SCS Curve No."	" 193.474 0.09714 1.00E-07"
Dropbox\AntechDesign\"	" 0.123 Pervious Runoff coefficient"	" 193.608 0.1054 1.00E-07"
" ProjectFiles\JKDevelopments\232602-129Davidson-	" 0.100 Pervious Ia/S coefficient"	" 193.742 0.1131 1.00E-07"
Apartment\2-	" 8.467 Pervious Initial abstraction"	" 193.876 0.1203 1.00E-07"
Design\5..StormWaterManagementReport\2..Miduss\Proposed	" 0.015 Impervious Manning 'n'"	" 194.011 0.1271 1.00E-07"
Conditions"	" 98.000 Impervious SCS Curve No."	" 194.145 0.1335 1.00E-07"
" Output filename: Proposed Conditions-	" 0.809 Impervious Runoff coefficient"	" 194.279 0.1397 1.00E-07"
XYearV7.Out"	" 0.100 Impervious Ia/S coefficient"	" 194.413 0.1455 1.00E-07"
" Licensee name:	" 0.518 Impervious Initial abstraction"	" 194.547 0.1512 0.2413"
joe.lefaive@antechdesign.com"	" 0.018 0.000 0.000 0.000 c.m/sec"	" 194.682 0.1567 2.119"
" Company Antech"	" Catchment 200 Pervious Impervious Total Area "	" 194.816 0.1620 7.417"
" Date & Time last used: 2023-10-25 at 10:08:58	" Surface Area 0.067 0.110 0.177 hectare"	" 194.950 0.2407 41.132"
AM"	" Time of concentration 44.128 2.988 6.503	" 1. WEIRS"
" 31 TIME PARAMETERS"	minutes"	" Crest Weir Crest Left Right"
" 5.000 Time Step"	" Time to Centroid 165.031 95.208 101.173	" elevation coefficie breadth sideslope sideslope"
" 180.000 Max. Storm length"	minutes"	" 194.910 0.900 6.000 0.000 0.000"
" 1500.000 Max. Hydrograph"	" Rainfall depth 27.002 27.002 27.002 mm"	" 2. WEDGES"
" 32 STORM Chicago storm"	" Rainfall volume 18.16 29.63 47.79 c.m"	" Wedge Grade 1 Grade 2 Angle Number"
" 1 Chicago storm"	" Rainfall losses 23.675 5.168 12.200 mm"	" invert g1H:1V g2H:1V subtended of wedges"
" 340.500 Coefficient A"	" Runoff depth 3.328 21.835 14.802 mm"	" 194.420 50.000 4.500 90.000 2.000"
" 0.029 Constant B"	" Runoff volume 2.24 23.96 26.20 c.m"	" 194.790 110.000 100.000 90.000 2.000"
" 0.700 Exponent C"	" Runoff coefficient 0.123 0.809 0.548 "	" 1. OUTFLOW PIPE"
" 0.400 Fraction R"	" Maximum flow 0.000 0.018 0.018 c.m/sec"	" Upstream Downstr'm Pipe Pipe Manning Entry"
" 180.000 Duration"	" 40 HYDROGRAPH Add Runoff "	" invert invert Length Diameter 'n' loss Ke"
" 1.000 Time step multiplier"	" 4 Add Runoff "	" 192.470 192.400 10.800 0.250 0.013 0.500"
" Maximum intensity 109.992 mm/hr"	" 0.018 0.018 0.000 0.000"	" Peak outflow 0.018 c.m/sec"
" Total depth 27.002 mm"	" 54 POND DESIGN"	" Maximum level 192.400 metre"
" 6 002hyd Hydrograph extension used in this file"	" 0.018 Current peak flow c.m/sec"	" Maximum storage 0.000 c.m"
" 33 CATCHMENT 200"	" 0.018 Target outflow c.m/sec"	" Centroidal lag 1.686 hours"
" 1 Triangular SCS"	" 26.2 Hydrograph volume c.m"	" 0.018 0.018 0.018 0.000 c.m/sec"
" 1 Equal length"	" 20. Number of stages"	" 40 HYDROGRAPH Combine 1"
" 1 SCS method"	" 192.400 Minimum water level metre"	" 6 Combine "
" 200 CA200-Drainage towards Davidson"	" 194.950 Maximum water level metre"	" 1 Node #"
" 62.000 % Impervious"	" 192.470 Starting water level metre"	" Site Totals"
" 0.177 Total Area"	" 0 Keep Design Data: 1 = True; 0 = False"	" Maximum flow 0.018 c.m/sec"
" 34.400 Flow length"	" Level Discharge Volume"	" Hydrograph volume 26.199 c.m"
" 1.000 Overland Slope"	" 192.400 0.000 0.000"	" 0.018 0.018 0.018 0.018"
" 0.067 Pervious Area"	" 192.534 0.00296 1.00E-07"	" 40 HYDROGRAPH Start - New Tributary"
" 34.400 Pervious length"	" 192.668 0.01510 1.00E-07"	" 2 Start - New Tributary"
" 1.000 Pervious slope"	" 192.803 0.03456 1.00E-07"	" 0.018 0.000 0.018 0.018"

Miduss Output – Post-development 1 in 2 Year Storm Event

" 33	CATCHMENT 201"	"	0.062	Target outflow	c.m/sec"	"	194.137	0.1009	29.101"
"	1 Triangular SCS"	"	123.8	Hydrograph volume	c.m"	"	194.179	0.1009	39.642"
"	1 Equal length"	"	42.	Number of stages"	"	"	194.222	0.1009	59.432"
"	1 SCS method"	"	192.600	Minimum water level	metre"	"	194.265	0.1009	91.116"
"	201 CA201 - Drainage to Lakeshore"	"	194.350	Maximum water level	metre"	"	194.307	0.1009	136.247"
"	74.000 % Impervious"	"	192.640	Starting water level	metre"	"	194.350	0.1009	199.712"
"	0.728 Total Area"	"	0	Keep Design Data: 1 = True; 0 = False"	"	"	1.	VORTEX VALVES"	"
"	20.200 Flow length"	"		Level Discharge	Volume"	"		Invert Flush Q	Flush Vortex List"
"	2.000 Overland Slope"	"	192.600	0.000	0.000"	"		Level Head	Flow Type Index"
"	0.189 Pervious Area"	"	192.643	0.00213	0.00014"	"	192.600	1.440	10.000 4.000 18.000"
"	20.200 Pervious length"	"	192.685	0.00797	0.1184"	"	C:\Program Files		
"	2.000 Pervious slope"	"	192.728	0.01729	0.6182"	"	(x86)\MIDUSS\VortexValves\HILmet_SXH18.0in_1.440x_10.0.dat		
"	0.539 Impervious Area"	"	192.771	0.02913	1.624"	"	1.	WEDGES"	"
"	20.200 Impervious length"	"	192.813	0.04292	3.050"	"		Wedge Grade 1	Grade 2 Angle Number"
"	2.000 Impervious slope"	"	192.856	0.05813	4.865"	"		invert g1H:1V	g2H:1V subtended of wedges"
"	0.250 Pervious Manning 'n'"	"	192.899	0.07348	6.973"	"	194.040	45.000	50.000 90.000 10.000"
"	75.000 Pervious SCS Curve No."	"	192.941	0.08705	9.232"	"	2.	SUPERPIPES_1"	"
"	0.123 Pervious Runoff coefficient"	"	192.984	0.09615	11.598"	"	1.	Type 1 is Pipe"	"
"	0.100 Pervious Ia/S coefficient"	"	193.027	0.09765	13.844"	"	Downstream	Pipe	Pipe Pipe Pipe Number of"
"	8.467 Pervious Initial abstraction"	"	193.070	0.09871	15.885"	"		Invert Length	Width Height Grade % Pipes"
"	0.015 Impervious Manning 'n'"	"	193.112	0.09935	17.629"	"	192.640	125.000	0.300 0.300 0.250 1.000"
"	98.000 Impervious SCS Curve No."	"	193.155	0.09981	19.124"	"	192.640	46.000	0.600 0.600 0.250 1.000"
"	0.808 Impervious Runoff coefficient"	"	193.198	0.09991	20.303"	"		Peak outflow	0.081 c.m/sec"
"	0.100 Impervious Ia/S coefficient"	"	193.240	0.09981	21.130"	"		Maximum level	192.942 metre"
"	0.518 Impervious Initial abstraction"	"	193.283	0.09962	21.653"	"		Maximum storage	9.292 c.m"
"	0.108 0.000 0.018 0.018 c.m/sec"	"	193.326	0.09912	21.902"	"		Centroidal lag	1.605 hours"
"	Catchment 201 Pervious Impervious Total Area "	"	193.368	0.09865	21.987"	"		0.108 0.108 0.081 0.018 c.m/sec"	"
"	Surface Area 0.189 0.539 0.728 hectare"	"	193.411	0.09799	22.084"	"	40	HYDROGRAPH Next link "	"
"	Time of concentration 26.043 1.764 2.999	"	193.454	0.09720	22.181"	"	5	Next link "	"
minutes"		"	193.496	0.09627	22.276"	"		0.108 0.081 0.081 0.018"	"
"	Time to Centroid 142.289 93.010 95.517	"	193.539	0.09512	22.374"	"	54	POND DESIGN"	"
minutes"		"	193.582	0.09376	22.471"	"	0.081	Current peak flow	c.m/sec"
"	Rainfall depth 27.002 27.002 27.002 mm"	"	193.624	0.09207	22.566"	"	0.038	Target outflow	c.m/sec"
"	Rainfall volume 51.11 145.47 196.58 c.m"	"	193.667	0.08992	22.663"	"	123.3	Hydrograph volume	c.m"
"	Rainfall losses 23.675 5.194 9.999 mm"	"	193.710	0.08818	22.760"	"	20.	Number of stages"	"
"	Runoff depth 3.327 21.808 17.003 mm"	"	193.752	0.08973	22.855"	"	191.700	Minimum water level	metre"
"	Runoff volume 6.30 117.48 123.78 c.m"	"	193.795	0.09138	22.952"	"	193.450	Maximum water level	metre"
"	Runoff coefficient 0.123 0.808 0.630 "	"	193.838	0.09298	23.049"	"	192.600	Starting water level	metre"
"	Maximum flow 0.001 0.108 0.108 c.m/sec"	"	193.880	0.09441	23.144"	"	0	Keep Design Data: 1 = True; 0 = False"	"
" 40	HYDROGRAPH Add Runoff "	"	193.923	0.09598	23.241"	"		Level Discharge	Volume"
"	4 Add Runoff "	"	193.966	0.09747	23.339"	"	191.700	0.000	0.000"
"	0.108 0.108 0.018 0.018"	"	194.009	0.09894	23.436"	"	191.792	0.00299	1.00E-07"
" 54	POND DESIGN"	"	194.051	0.1004	23.539"	"		191.884	0.01114 1.00E-07"
"	0.108 Current peak flow c.m/sec"	"	194.094	0.1009	24.555"	"			

Miduss Output – Post-development 1 in 2 Year Storm Event

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"      191.976 0.01546 1.00E-07"
"      192.068 0.01882 1.00E-07"
"      192.161 0.02169 1.00E-07"
"      192.253 0.02419 1.00E-07"
"      192.345 0.02646 1.00E-07"
"      192.437 0.02855 1.00E-07"
"      192.529 0.03050 1.00E-07"
"      192.621 0.03233 1.312"
"      192.713 0.03406 8.311"
"      192.805 0.03571 17.385"
"      192.897 0.03728 28.594"
"      192.989 0.03879 41.990"
"      193.082 0.04026 57.813"
"      193.200 0.04206 81.281"
"      193.266 0.07288 96.104"
"      193.358 0.1747 118.840"
"      193.450 0.3444 144.045"
"  1. WEIRS"
"      Crest Weir Crest Left Right"
"      elevation coefficie breadth sideslope sideslope"
"      193.200 0.900 1.000 3.000 3.000"
"  1. ORIFICES"
"      Orifice Orifice Orifice Number of"
"      invert coefficie diameter orifices"
"      191.700 0.630 0.1270 1.000"
"  1. LAYERS"
"      Bottom Aspect Bottom Top Average"
"      area ratio elevation elevation sideslope"
"      60.000 24.000 192.600 193.450 3.000"
"      Peak outflow 0.037 c.m/sec"
"      Maximum level 192.871 metre"
"      Maximum storage 25.417 c.m"
"      Centroidal lag 1.679 hours"
"      0.108 0.081 0.037 0.018 c.m/sec"
" 40 HYDROGRAPH Combine 1"
"      6 Combine "
"      1 Node #"
"      Site Totals"
"      Maximum flow 0.053 c.m/sec"
"      Hydrograph volume 146.740 c.m"
"      0.108 0.081 0.037 0.053"

```

Miduss Output – Post-development 1 in 5 Year Storm Event

" MIDUSS Output ----->"	" 0.110 Impervious Area"	" 192.937 0.05225 1.00E-07"
" MIDUSS version Version 2.25 rev. 473"	" 34.400 Impervious length"	" 193.071 0.06629 1.00E-07"
" MIDUSS created February 7, 2010"	" 1.000 Impervious slope"	" 193.205 0.07791 1.00E-07"
" 10 Units used: ie METRIC"	" 0.250 Pervious Manning 'n'"	" 193.339 0.08801 1.00E-07"
" Job folder: C:\Users\joele\Antech	" 75.000 Pervious SCS Curve No."	" 193.474 0.09714 1.00E-07"
Dropbox\AntechDesign\"	" 0.189 Pervious Runoff coefficient"	" 193.608 0.1054 1.00E-07"
" ProjectFiles\JKDevelopments\232602-129Davidson-	" 0.100 Pervious Ia/S coefficient"	" 193.742 0.1131 1.00E-07"
Apartment\2-	" 8.467 Pervious Initial abstraction"	" 193.876 0.1203 1.00E-07"
Design\5..StormWaterManagementReport\2..Miduss\Proposed	" 0.015 Impervious Manning 'n'"	" 194.011 0.1271 1.00E-07"
Conditions"	" 98.000 Impervious SCS Curve No."	" 194.145 0.1335 1.00E-07"
" Output filename: Proposed Conditions-	" 0.853 Impervious Runoff coefficient"	" 194.279 0.1397 1.00E-07"
XYearV7.Out"	" 0.100 Impervious Ia/S coefficient"	" 194.413 0.1455 1.00E-07"
" Licensee name:	" 0.518 Impervious Initial abstraction"	" 194.547 0.1512 0.2413"
joe.lefaive@antechdesign.com"	" 0.027 0.000 0.000 0.000 c.m/sec"	" 194.682 0.1567 2.119"
" Company Antech"	" Catchment 200 Pervious Impervious Total Area "	" 194.816 0.1620 7.417"
" Date & Time last used: 2023-10-25 at 10:08:58	" Surface Area 0.067 0.110 0.177 hectare"	" 194.950 0.2407 41.132"
AM"	" Time of concentration 29.504 2.614 5.827	" 1. WEIRS"
" 31 TIME PARAMETERS"	minutes"	" Crest Weir Crest Left Right"
" 5.000 Time Step"	" Time to Centroid 146.479 93.457 99.793	" elevation coefficie breadth sideslope sideslope"
" 180.000 Max. Storm length"	minutes"	" 194.910 0.900 6.000 0.000 0.000"
" 1500.000 Max. Hydrograph"	" Rainfall depth 36.200 36.200 36.200 mm"	" 2. WEDGES"
" 32 STORM Chicago storm"	" Rainfall volume 24.35 39.73 64.07 c.m"	" Wedge Grade 1 Grade 2 Angle Number"
" 1 Chicago storm"	" Rainfall losses 29.360 5.312 14.450 mm"	" invert g1H:1V g2H:1V subtended of wedges"
" 455.500 Coefficient A"	" Runoff depth 6.840 30.887 21.749 mm"	" 194.420 50.000 4.500 90.000 2.000"
" 0.012 Constant B"	" Runoff volume 4.60 33.90 38.50 c.m"	" 194.790 110.000 100.000 90.000 2.000"
" 0.699 Exponent C"	" Runoff coefficient 0.189 0.853 0.601 "	" 1. OUTFLOW PIPE"
" 0.400 Fraction R"	" Maximum flow 0.001 0.027 0.027 c.m/sec"	" Upstream Downstr'm Pipe Pipe Manning Entry"
" 180.000 Duration"	" 40 HYDROGRAPH Add Runoff "	" invert invert Length Diameter 'n' loss Ke"
" 1.000 Time step multiplier"	" 4 Add Runoff "	" 192.470 192.400 10.800 0.250 0.013 0.500"
" Maximum intensity 147.580 mm/hr"	" 0.027 0.027 0.000 0.000"	" Peak outflow 0.027 c.m/sec"
" Total depth 36.200 mm"	" 54 POND DESIGN"	" Maximum level 192.400 metre"
" 6 005hyd Hydrograph extension used in this file"	" 0.027 Current peak flow c.m/sec"	" Maximum storage 0.000 c.m"
" 33 CATCHMENT 200"	" 0.018 Target outflow c.m/sec"	" Centroidal lag 1.663 hours"
" 1 Triangular SCS"	" 38.5 Hydrograph volume c.m"	" 0.027 0.027 0.027 0.000 c.m/sec"
" 1 Equal length"	" 20. Number of stages"	" 40 HYDROGRAPH Combine 1"
" 1 SCS method"	" 192.400 Minimum water level metre"	" 6 Combine "
" 200 CA200-Drainage towards Davidson"	" 194.950 Maximum water level metre"	" 1 Node #"
" 62.000 % Impervious"	" 192.470 Starting water level metre"	" Site Totals"
" 0.177 Total Area"	" 0 Keep Design Data: 1 = True; 0 = False"	" Maximum flow 0.027 c.m/sec"
" 34.400 Flow length"	" Level Discharge Volume"	" Hydrograph volume 38.496 c.m"
" 1.000 Overland Slope"	" 192.400 0.000 0.000"	" 0.027 0.027 0.027 0.027"
" 0.067 Pervious Area"	" 192.534 0.00296 1.00E-07"	" 40 HYDROGRAPH Start - New Tributary"
" 34.400 Pervious length"	" 192.668 0.01510 1.00E-07"	" 2 Start - New Tributary"
" 1.000 Pervious slope"	" 192.803 0.03456 1.00E-07"	" 0.027 0.000 0.027 0.027"

Miduss Output – Post-development 1 in 5 Year Storm Event

" 33	CATCHMENT 201"	"	0.062	Target outflow	c.m/sec"	"	194.137	0.1009	29.101"
"	1 Triangular SCS"	"	177.8	Hydrograph volume	c.m"	"	194.179	0.1009	39.642"
"	1 Equal length"	"	42.	Number of stages"	"	"	194.222	0.1009	59.432"
"	1 SCS method"	"	192.600	Minimum water level	metre"	"	194.265	0.1009	91.116"
"	201 CA201 - Drainage to Lakeshore"	"	194.350	Maximum water level	metre"	"	194.307	0.1009	136.247"
"	74.000 % Impervious"	"	192.640	Starting water level	metre"	"	194.350	0.1009	199.712"
"	0.728 Total Area"	"	0	Keep Design Data: 1 = True; 0 = False"	"	"	1.	VORTEX VALVES"	"
"	20.200 Flow length"	"		Level Discharge	Volume"	"		Invert Flush Q Flush Vortex List"	"
"	2.000 Overland Slope"	"	192.600	0.000	0.000"	"		Level Head Flow Type Index"	"
"	0.189 Pervious Area"	"	192.643	0.00213	0.00014"	"	192.600	1.440	10.000 4.000 18.000"
"	20.200 Pervious length"	"	192.685	0.00797	0.1184"	"		C:\Program Files	"
"	2.000 Pervious slope"	"	192.728	0.01729	0.6182"	"	(x86)\MIDUSS\VortexValves\HILmet_SXH18.0in_1.440x_10.0.dat		
"	0.539 Impervious Area"	"	192.771	0.02913	1.624"	"	1.	WEDGES"	"
"	20.200 Impervious length"	"	192.813	0.04292	3.050"	"		Wedge Grade 1 Grade 2 Angle Number"	"
"	2.000 Impervious slope"	"	192.856	0.05813	4.865"	"		invert g1H:1V g2H:1V subtended of wedges"	"
"	0.250 Pervious Manning 'n'"	"	192.899	0.07348	6.973"	"	194.040	45.000	50.000 90.000 10.000"
"	75.000 Pervious SCS Curve No."	"	192.941	0.08705	9.232"	"	2.	SUPERPIPES_1"	"
"	0.189 Pervious Runoff coefficient"	"	192.984	0.09615	11.598"	"	1.	Type 1 is Pipe"	"
"	0.100 Pervious Ia/S coefficient"	"	193.027	0.09765	13.844"	"		Downstream Pipe Pipe Pipe Pipe Number of"	"
"	8.467 Pervious Initial abstraction"	"	193.070	0.09871	15.885"	"		Invert Length Width Height Grade % Pipes"	"
"	0.015 Impervious Manning 'n'"	"	193.112	0.09935	17.629"	"	192.640	125.000	0.300 0.300 0.250 1.000"
"	98.000 Impervious SCS Curve No."	"	193.155	0.09981	19.124"	"	192.640	46.000	0.600 0.600 0.250 1.000"
"	0.846 Impervious Runoff coefficient"	"	193.198	0.09991	20.303"	"		Peak outflow	0.100 c.m/sec"
"	0.100 Impervious Ia/S coefficient"	"	193.240	0.09981	21.130"	"		Maximum level	193.151 metre"
"	0.518 Impervious Initial abstraction"	"	193.283	0.09962	21.653"	"		Maximum storage	18.981 c.m"
"	0.156 0.000 0.027 0.027 c.m/sec"	"	193.326	0.09912	21.902"	"		Centroidal lag	1.593 hours"
"	Catchment 201 Pervious Impervious Total Area "	"	193.368	0.09865	21.987"	"		0.156 0.156 0.100 0.027 c.m/sec"	"
"	Surface Area 0.189 0.539 0.728 hectare"	"	193.411	0.09799	22.084"	"	40	HYDROGRAPH Next link "	"
"	Time of concentration 17.412 1.542 2.697	"	193.454	0.09720	22.181"	"	5	Next link "	"
minutes"		"	193.496	0.09627	22.276"	"		0.156 0.100 0.100 0.027"	"
"	Time to Centroid 129.778 91.651 94.426	"	193.539	0.09512	22.374"	"	54	POND DESIGN"	"
minutes"		"	193.582	0.09376	22.471"	"	0.100	Current peak flow	c.m/sec"
"	Rainfall depth 36.200 36.200 36.200 mm"	"	193.624	0.09207	22.566"	"	0.038	Target outflow	c.m/sec"
"	Rainfall volume 68.52 195.01 263.53 c.m"	"	193.667	0.08992	22.663"	"	178.9	Hydrograph volume	c.m"
"	Rainfall losses 29.363 5.592 11.772 mm"	"	193.710	0.08818	22.760"	"	20.	Number of stages"	"
"	Runoff depth 6.836 30.608 24.427 mm"	"	193.752	0.08973	22.855"	"	191.700	Minimum water level	metre"
"	Runoff volume 12.94 164.89 177.83 c.m"	"	193.795	0.09138	22.952"	"	193.450	Maximum water level	metre"
"	Runoff coefficient 0.189 0.846 0.675 "	"	193.838	0.09298	23.049"	"	192.600	Starting water level	metre"
"	Maximum flow 0.004 0.156 0.156 c.m/sec"	"	193.880	0.09441	23.144"	"	0	Keep Design Data: 1 = True; 0 = False"	"
" 40	HYDROGRAPH Add Runoff "	"	193.923	0.09598	23.241"	"		Level Discharge	Volume"
"	4 Add Runoff "	"	193.966	0.09747	23.339"	"	191.700	0.000	0.000"
"	0.156 0.156 0.027 0.027"	"	194.009	0.09894	23.436"	"	191.792	0.00299	1.00E-07"
" 54	POND DESIGN"	"	194.051	0.1004	23.539"	"	191.884	0.01114	1.00E-07"
"	0.156 Current peak flow c.m/sec"	"	194.094	0.1009	24.555"	"			

Miduss Output – Post-development 1 in 5 Year Storm Event

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"      191.976  0.01546  1.00E-07"
"      192.068  0.01882  1.00E-07"
"      192.161  0.02169  1.00E-07"
"      192.253  0.02419  1.00E-07"
"      192.345  0.02646  1.00E-07"
"      192.437  0.02855  1.00E-07"
"      192.529  0.03050  1.00E-07"
"      192.621  0.03233  1.312"
"      192.713  0.03406  8.311"
"      192.805  0.03571  17.385"
"      192.897  0.03728  28.594"
"      192.989  0.03879  41.990"
"      193.082  0.04026  57.813"
"      193.200  0.04206  81.281"
"      193.266  0.07288  96.104"
"      193.358  0.1747  118.840"
"      193.450  0.3444  144.045"
"  1. WEIRS"
"      Crest  Weir  Crest  Left  Right"
"      elevation coefficie breadth sideslope sideslope"
"      193.200  0.900  1.000  3.000  3.000"
"  1. ORIFICES"
"      Orifice  Orifice  Orifice Number of"
"      invert coefficie diameter orifices"
"      191.700  0.630  0.1270  1.000"
"  1. LAYERS"
"      Bottom  Aspect  Bottom  Top  Average"
"      area  ratio elevation elevation sideslope"
"      60.000  24.000  192.600  193.450  3.000"
"      Peak outflow          0.039  c.m/sec"
"      Maximum level        193.030  metre"
"      Maximum storage      48.996  c.m"
"      Centroidal lag        1.735  hours"
"      0.156  0.100  0.039  0.027 c.m/sec"
" 40  HYDROGRAPH  Combine  1"
"      6  Combine "
"      1  Node #"
"      Site Totals"
"      Maximum flow          0.061  c.m/sec"
"      Hydrograph volume     214.046  c.m"
"      0.156  0.100  0.039  0.061"

```

Miduss Output – Post-development 1 in 10 Year Storm Event

" MIDUSS Output ----->"	" 0.110 Impervious Area"	" 192.937 0.05225 1.00E-07"
" MIDUSS version Version 2.25 rev. 473"	" 34.400 Impervious length"	" 193.071 0.06629 1.00E-07"
" MIDUSS created February 7, 2010"	" 1.000 Impervious slope"	" 193.205 0.07791 1.00E-07"
" 10 Units used: ie METRIC"	" 0.250 Pervious Manning 'n'"	" 193.339 0.08801 1.00E-07"
" Job folder: C:\Users\joele\Antech	" 75.000 Pervious SCS Curve No."	" 193.474 0.09714 1.00E-07"
Dropbox\AntechDesign\"	" 0.228 Pervious Runoff coefficient"	" 193.608 0.1054 1.00E-07"
" ProjectFiles\JKDevelopments\232602-129Davidson-	" 0.100 Pervious Ia/S coefficient"	" 193.742 0.1131 1.00E-07"
Apartment\2-	" 8.467 Pervious Initial abstraction"	" 193.876 0.1203 1.00E-07"
Design\5..StormWaterManagementReport\2..Miduss\Proposed	" 0.015 Impervious Manning 'n'"	" 194.011 0.1271 1.00E-07"
Conditions"	" 98.000 Impervious SCS Curve No."	" 194.145 0.1335 1.00E-07"
" Output filename: Proposed Conditions-	" 0.872 Impervious Runoff coefficient"	" 194.279 0.1397 1.00E-07"
XYearV7.Out"	" 0.100 Impervious Ia/S coefficient"	" 194.413 0.1455 1.00E-07"
" Licensee name:	" 0.518 Impervious Initial abstraction"	" 194.547 0.1512 0.2413"
joe.lefaive@antechdesign.com"	" 0.033 0.000 0.000 0.000 c.m/sec"	" 194.682 0.1567 2.119"
" Company Antech"	" Catchment 200 Pervious Impervious Total Area "	" 194.816 0.1620 7.417"
" Date & Time last used: 2023-10-25 at 10:08:58	" Surface Area 0.067 0.110 0.177 hectare"	" 194.950 0.2407 41.132"
AM"	" Time of concentration 24.974 2.447 5.555	" 1. WEIRS"
" 31 TIME PARAMETERS"	minutes"	" Crest Weir Crest Left Right"
" 5.000 Time Step"	" Time to Centroid 139.514 92.606 99.078	" elevation coefficie breadth sideslope sideslope"
" 180.000 Max. Storm length"	minutes"	" 194.910 0.900 6.000 0.000 0.000"
" 1500.000 Max. Hydrograph"	" Rainfall depth 42.229 42.229 42.229 mm"	" 2. WEDGES"
" 32 STORM Chicago storm"	" Rainfall volume 28.40 46.34 74.75 c.m"	" Wedge Grade 1 Grade 2 Angle Number"
" 1 Chicago storm"	" Rainfall losses 32.613 5.407 15.745 mm"	" invert g1H:1V g2H:1V subtended of wedges"
" 535.700 Coefficient A"	" Runoff depth 9.616 36.822 26.484 mm"	" 194.420 50.000 4.500 90.000 2.000"
" 0.094 Constant B"	" Runoff volume 6.47 40.41 46.88 c.m"	" 194.790 110.000 100.000 90.000 2.000"
" 0.701 Exponent C"	" Runoff coefficient 0.228 0.872 0.627 "	" 1. OUTFLOW PIPE"
" 0.400 Fraction R"	" Maximum flow 0.002 0.033 0.033 c.m/sec"	" Upstream Downstr'm Pipe Pipe Manning Entry"
" 180.000 Duration"	" 40 HYDROGRAPH Add Runoff "	" invert invert Length Diameter 'n' loss Ke"
" 1.000 Time step multiplier"	" 4 Add Runoff "	" 192.470 192.400 10.800 0.250 0.013 0.500"
" Maximum intensity 171.202 mm/hr"	" 0.033 0.033 0.000 0.000"	" Peak outflow 0.033 c.m/sec"
" Total depth 42.229 mm"	" 54 POND DESIGN"	" Maximum level 192.400 metre"
" 6 010hyd Hydrograph extension used in this file"	" 0.033 Current peak flow c.m/sec"	" Maximum storage 0.000 c.m"
" 33 CATCHMENT 200"	" 0.018 Target outflow c.m/sec"	" Centroidal lag 1.651 hours"
" 1 Triangular SCS"	" 46.9 Hydrograph volume c.m"	" 0.033 0.033 0.033 0.000 c.m/sec"
" 1 Equal length"	" 20. Number of stages"	" 40 HYDROGRAPH Combine 1"
" 1 SCS method"	" 192.400 Minimum water level metre"	" 6 Combine "
" 200 CA200-Drainage towards Davidson"	" 194.950 Maximum water level metre"	" 1 Node #"
" 62.000 % Impervious"	" 192.470 Starting water level metre"	" Site Totals"
" 0.177 Total Area"	" 0 Keep Design Data: 1 = True; 0 = False"	" Maximum flow 0.033 c.m/sec"
" 34.400 Flow length"	" Level Discharge Volume"	" Hydrograph volume 46.877 c.m"
" 1.000 Overland Slope"	" 192.400 0.000 0.000"	" 0.033 0.033 0.033 0.033"
" 0.067 Pervious Area"	" 192.534 0.00296 1.00E-07"	" 40 HYDROGRAPH Start - New Tributary"
" 34.400 Pervious length"	" 192.668 0.01510 1.00E-07"	" 2 Start - New Tributary"
" 1.000 Pervious slope"	" 192.803 0.03456 1.00E-07"	" 0.033 0.000 0.033 0.033"

Miduss Output – Post-development 1 in 10 Year Storm Event

" 33	CATCHMENT 201"	"	0.062	Target outflow	c.m/sec"	"	194.137	0.1009	29.101"
"	1 Triangular SCS"	"	214.1	Hydrograph volume	c.m"	"	194.179	0.1009	39.642"
"	1 Equal length"	"	42.	Number of stages"	"	"	194.222	0.1009	59.432"
"	1 SCS method"	"	192.600	Minimum water level	metre"	"	194.265	0.1009	91.116"
"	201 CA201 - Drainage to Lakeshore"	"	194.350	Maximum water level	metre"	"	194.307	0.1009	136.247"
"	74.000 % Impervious"	"	192.640	Starting water level	metre"	"	194.350	0.1009	199.712"
"	0.728 Total Area"	"	0	Keep Design Data: 1 = True; 0 = False"	"	"	1.	VORTEX VALVES"	"
"	20.200 Flow length"	"		Level Discharge	Volume"	"		Invert Flush Q Flush Vortex List"	"
"	2.000 Overland Slope"	"	192.600	0.000	0.000"	"		Level Head Flow Type Index"	"
"	0.189 Pervious Area"	"	192.643	0.00213	0.00014"	"	192.600	1.440	10.000 4.000 18.000"
"	20.200 Pervious length"	"	192.685	0.00797	0.1184"	"		C:\Program Files	"
"	2.000 Pervious slope"	"	192.728	0.01729	0.6182"	"	(x86)\MIDUSS\VortexValves\HILmet_SXH18.0in_1.440x_10.0.dat		
"	0.539 Impervious Area"	"	192.771	0.02913	1.624"	"	1.	WEDGES"	"
"	20.200 Impervious length"	"	192.813	0.04292	3.050"	"		Wedge Grade 1 Grade 2 Angle Number"	"
"	2.000 Impervious slope"	"	192.856	0.05813	4.865"	"		invert g1H:1V g2H:1V subtended of wedges"	"
"	0.250 Pervious Manning 'n'"	"	192.899	0.07348	6.973"	"	194.040	45.000	50.000 90.000 10.000"
"	75.000 Pervious SCS Curve No."	"	192.941	0.08705	9.232"	"	2.	SUPERPIPES_1"	"
"	0.228 Pervious Runoff coefficient"	"	192.984	0.09615	11.598"	"	1.	Type 1 is Pipe"	"
"	0.100 Pervious Ia/S coefficient"	"	193.027	0.09765	13.844"	"		Downstream Pipe Pipe Pipe Pipe Number of"	"
"	8.467 Pervious Initial abstraction"	"	193.070	0.09871	15.885"	"		Invert Length Width Height Grade % Pipes"	"
"	0.015 Impervious Manning 'n'"	"	193.112	0.09935	17.629"	"	192.640	125.000	0.300 0.300 0.250 1.000"
"	98.000 Impervious SCS Curve No."	"	193.155	0.09981	19.124"	"	192.640	46.000	0.600 0.600 0.250 1.000"
"	0.861 Impervious Runoff coefficient"	"	193.198	0.09991	20.303"	"		Peak outflow	0.101 c.m/sec"
"	0.100 Impervious Ia/S coefficient"	"	193.240	0.09981	21.130"	"		Maximum level	194.101 metre"
"	0.518 Impervious Initial abstraction"	"	193.283	0.09962	21.653"	"		Maximum storage	25.307 c.m"
"	0.188 0.000 0.033 0.033 c.m/sec"	"	193.326	0.09912	21.902"	"		Centroidal lag	1.596 hours"
"	Catchment 201 Pervious Impervious Total Area "	"	193.368	0.09865	21.987"	"		0.188 0.188 0.101 0.033 c.m/sec"	"
"	Surface Area 0.189 0.539 0.728 hectare"	"	193.411	0.09799	22.084"	"	40	HYDROGRAPH Next link "	"
"	Time of concentration 14.738 1.444 2.574	"	193.454	0.09720	22.181"	"	5	Next link "	"
minutes"		"	193.496	0.09627	22.276"	"		0.188 0.101 0.101 0.033"	"
"	Time to Centroid 124.996 91.021 93.909	"	193.539	0.09512	22.374"	"	54	POND DESIGN"	"
minutes"		"	193.582	0.09376	22.471"	"	0.101	Current peak flow	c.m/sec"
"	Rainfall depth 42.229 42.229 42.229 mm"	"	193.624	0.09207	22.566"	"	0.038	Target outflow	c.m/sec"
"	Rainfall volume 79.93 227.50 307.43 c.m"	"	193.667	0.08992	22.663"	"	212.9	Hydrograph volume	c.m"
"	Rainfall losses 32.615 5.864 12.819 mm"	"	193.710	0.08818	22.760"	"	20.	Number of stages"	"
"	Runoff depth 9.614 36.365 29.410 mm"	"	193.752	0.08973	22.855"	"	191.700	Minimum water level	metre"
"	Runoff volume 18.20 195.91 214.10 c.m"	"	193.795	0.09138	22.952"	"	193.450	Maximum water level	metre"
"	Runoff coefficient 0.228 0.861 0.696 "	"	193.838	0.09298	23.049"	"	192.600	Starting water level	metre"
"	Maximum flow 0.006 0.186 0.188 c.m/sec"	"	193.880	0.09441	23.144"	"	0	Keep Design Data: 1 = True; 0 = False"	"
" 40	HYDROGRAPH Add Runoff "	"	193.923	0.09598	23.241"	"		Level Discharge	Volume"
"	4 Add Runoff "	"	193.966	0.09747	23.339"	"	191.700	0.000	0.000"
"	0.188 0.188 0.033 0.033"	"	194.009	0.09894	23.436"	"	191.792	0.00299	1.00E-07"
" 54	POND DESIGN"	"	194.051	0.1004	23.539"	"		191.884	0.01114 1.00E-07"
"	0.188 Current peak flow c.m/sec"	"	194.094	0.1009	24.555"	"			

Miduss Output – Post-development 1 in 10 Year Storm Event

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"      191.976  0.01546  1.00E-07"
"      192.068  0.01882  1.00E-07"
"      192.161  0.02169  1.00E-07"
"      192.253  0.02419  1.00E-07"
"      192.345  0.02646  1.00E-07"
"      192.437  0.02855  1.00E-07"
"      192.529  0.03050  1.00E-07"
"      192.621  0.03233  1.312"
"      192.713  0.03406  8.311"
"      192.805  0.03571  17.385"
"      192.897  0.03728  28.594"
"      192.989  0.03879  41.990"
"      193.082  0.04026  57.813"
"      193.200  0.04206  81.281"
"      193.266  0.07288  96.104"
"      193.358  0.1747  118.840"
"      193.450  0.3444  144.045"
"  1. WEIRS"
"      Crest  Weir  Crest  Left  Right"
"      elevation coefficie breadth sideslope sideslope"
"      193.200  0.900  1.000  3.000  3.000"
"  1. ORIFICES"
"      Orifice  Orifice  Orifice Number of"
"      invert coefficie diameter orifices"
"      191.700  0.630  0.1270  1.000"
"  1. LAYERS"
"      Bottom  Aspect  Bottom  Top  Average"
"      area  ratio elevation elevation sideslope"
"      60.000  24.000  192.600  193.450  3.000"
"      Peak outflow          0.041  c.m/sec"
"      Maximum level          193.103  metre"
"      Maximum storage          61.925  c.m"
"      Centroidal lag          1.785  hours"
"      0.188  0.101  0.041  0.033 c.m/sec"
" 40  HYDROGRAPH  Combine  1"
"      6  Combine "
"      1  Node #"
"      Site Totals"
"      Maximum flow          0.068  c.m/sec"
"      Hydrograph volume          259.693  c.m"
"      0.188  0.101  0.041  0.068"

```

Miduss Output – Post-development 1 in 25 Year Storm Event

" MIDUSS Output ----->"	" 0.110 Impervious Area"	" 192.937 0.05225 1.00E-07"
" MIDUSS version Version 2.25 rev. 473"	" 34.400 Impervious length"	" 193.071 0.06629 1.00E-07"
" MIDUSS created February 7, 2010"	" 1.000 Impervious slope"	" 193.205 0.07791 1.00E-07"
" 10 Units used: ie METRIC"	" 0.250 Pervious Manning 'n'"	" 193.339 0.08801 1.00E-07"
" Job folder: C:\Users\joele\Antech	" 75.000 Pervious SCS Curve No."	" 193.474 0.09714 1.00E-07"
Dropbox\AntechDesign\"	" 0.273 Pervious Runoff coefficient"	" 193.608 0.1054 1.00E-07"
" ProjectFiles\JKDevelopments\232602-129Davidson-	" 0.100 Pervious Ia/S coefficient"	" 193.742 0.1131 1.00E-07"
Apartment\2-	" 8.467 Pervious Initial abstraction"	" 193.876 0.1203 1.00E-07"
Design\5..StormWaterManagementReport\2..Miduss\Proposed	" 0.015 Impervious Manning 'n'"	" 194.011 0.1271 1.00E-07"
Conditions"	" 98.000 Impervious SCS Curve No."	" 194.145 0.1335 1.00E-07"
" Output filename: Proposed Conditions-	" 0.889 Impervious Runoff coefficient"	" 194.279 0.1397 1.00E-07"
XYearV7.Out"	" 0.100 Impervious Ia/S coefficient"	" 194.413 0.1455 1.00E-07"
" Licensee name:	" 0.518 Impervious Initial abstraction"	" 194.547 0.1512 0.2413"
joe.lefaive@antechdesign.com"	" 0.041 0.000 0.000 0.000 c.m/sec"	" 194.682 0.1567 2.119"
" Company Antech"	" Catchment 200 Pervious Impervious Total Area "	" 194.816 0.1620 7.417"
" Date & Time last used: 2023-10-25 at 10:08:58	" Surface Area 0.067 0.110 0.177 hectare"	" 194.950 0.2407 41.132"
AM"	" Time of concentration 21.226 2.278 5.278	" 1. WEIRS"
" 31 TIME PARAMETERS"	minutes"	" Crest Weir Crest Left Right"
" 5.000 Time Step"	" Time to Centroid 133.403 91.830 98.412	" elevation coefficie breadth sideslope sideslope"
" 180.000 Max. Storm length"	minutes"	" 194.910 0.900 6.000 0.000 0.000"
" 1500.000 Max. Hydrograph"	" Rainfall depth 49.912 49.912 49.912 mm"	" 2. WEDGES"
" 32 STORM Chicago storm"	" Rainfall volume 33.57 54.77 88.34 c.m"	" Wedge Grade 1 Grade 2 Angle Number"
" 1 Chicago storm"	" Rainfall losses 36.296 5.545 17.230 mm"	" invert g1H:1V g2H:1V subtended of wedges"
" 634.200 Coefficient A"	" Runoff depth 13.616 44.367 32.681 mm"	" 194.420 50.000 4.500 90.000 2.000"
" 0.117 Constant B"	" Runoff volume 9.16 48.69 57.85 c.m"	" 194.790 110.000 100.000 90.000 2.000"
" 0.701 Exponent C"	" Runoff coefficient 0.273 0.889 0.655 "	" 1. OUTFLOW PIPE"
" 0.400 Fraction R"	" Maximum flow 0.002 0.041 0.041 c.m/sec"	" Upstream Downstr'm Pipe Pipe Manning Entry"
" 180.000 Duration"	" 40 HYDROGRAPH Add Runoff "	" invert invert Length Diameter 'n' loss Ke"
" 1.000 Time step multiplier"	" 4 Add Runoff "	" 192.470 192.400 10.800 0.250 0.013 0.500"
" Maximum intensity 201.933 mm/hr"	" 0.041 0.041 0.000 0.000"	" Peak outflow 0.041 c.m/sec"
" Total depth 49.912 mm"	" 54 POND DESIGN"	" Maximum level 192.400 metre"
" 6 025hyd Hydrograph extension used in this file"	" 0.041 Current peak flow c.m/sec"	" Maximum storage 0.000 c.m"
" 33 CATCHMENT 200"	" 0.018 Target outflow c.m/sec"	" Centroidal lag 1.640 hours"
" 1 Triangular SCS"	" 57.8 Hydrograph volume c.m"	" 0.041 0.041 0.041 0.000 c.m/sec"
" 1 Equal length"	" 20. Number of stages"	" 40 HYDROGRAPH Combine 1"
" 1 SCS method"	" 192.400 Minimum water level metre"	" 6 Combine "
" 200 CA200-Drainage towards Davidson"	" 194.950 Maximum water level metre"	" 1 Node #"
" 62.000 % Impervious"	" 192.470 Starting water level metre"	" Site Totals"
" 0.177 Total Area"	" 0 Keep Design Data: 1 = True; 0 = False"	" Maximum flow 0.041 c.m/sec"
" 34.400 Flow length"	" Level Discharge Volume"	" Hydrograph volume 57.846 c.m"
" 1.000 Overland Slope"	" 192.400 0.000 0.000"	" 0.041 0.041 0.041 0.041"
" 0.067 Pervious Area"	" 192.534 0.00296 1.00E-07"	" 40 HYDROGRAPH Start - New Tributary"
" 34.400 Pervious length"	" 192.668 0.01510 1.00E-07"	" 2 Start - New Tributary"
" 1.000 Pervious slope"	" 192.803 0.03456 1.00E-07"	" 0.041 0.000 0.041 0.041"

Miduss Output – Post-development 1 in 25 Year Storm Event

" 33	CATCHMENT 201"	"	0.062	Target outflow	c.m/sec"	"	194.137	0.1009	29.101"
"	1 Triangular SCS"	"	261.1	Hydrograph volume	c.m"	"	194.179	0.1009	39.642"
"	1 Equal length"	"	42.	Number of stages"	"	"	194.222	0.1009	59.432"
"	1 SCS method"	"	192.600	Minimum water level	metre"	"	194.265	0.1009	91.116"
"	201 CA201 - Drainage to Lakeshore"	"	194.350	Maximum water level	metre"	"	194.307	0.1009	136.247"
"	74.000 % Impervious"	"	192.640	Starting water level	metre"	"	194.350	0.1009	199.712"
"	0.728 Total Area"	"	0	Keep Design Data: 1 = True; 0 = False"	"	"	1.	VORTEX VALVES"	"
"	20.200 Flow length"	"		Level Discharge	Volume"	"		Invert Flush Q Flush Vortex List"	"
"	2.000 Overland Slope"	"	192.600	0.000	0.000"	"		Level Head Flow Type Index"	"
"	0.189 Pervious Area"	"	192.643	0.00213	0.00014"	"	192.600	1.440	10.000 4.000 18.000"
"	20.200 Pervious length"	"	192.685	0.00797	0.1184"	"		C:\Program Files	"
"	2.000 Pervious slope"	"	192.728	0.01729	0.6182"	"	(x86)\MIDUSS\VortexValves\HILmet_SXH18.0in_1.440x_10.0.dat		
"	0.539 Impervious Area"	"	192.771	0.02913	1.624"	"	1.	WEDGES"	"
"	20.200 Impervious length"	"	192.813	0.04292	3.050"	"		Wedge Grade 1 Grade 2 Angle Number"	"
"	2.000 Impervious slope"	"	192.856	0.05813	4.865"	"		invert g1H:1V g2H:1V subtended of wedges"	"
"	0.250 Pervious Manning 'n'"	"	192.899	0.07348	6.973"	"	194.040	45.000	50.000 90.000 10.000"
"	75.000 Pervious SCS Curve No."	"	192.941	0.08705	9.232"	"	2.	SUPERPIPES_1"	"
"	0.272 Pervious Runoff coefficient"	"	192.984	0.09615	11.598"	"	1.	Type 1 is Pipe"	"
"	0.100 Pervious Ia/S coefficient"	"	193.027	0.09765	13.844"	"		Downstream Pipe Pipe Pipe Pipe Number of"	"
"	8.467 Pervious Initial abstraction"	"	193.070	0.09871	15.885"	"		Invert Length Width Height Grade % Pipes"	"
"	0.015 Impervious Manning 'n'"	"	193.112	0.09935	17.629"	"	192.640	125.000	0.300 0.300 0.250 1.000"
"	98.000 Impervious SCS Curve No."	"	193.155	0.09981	19.124"	"	192.640	46.000	0.600 0.600 0.250 1.000"
"	0.875 Impervious Runoff coefficient"	"	193.198	0.09991	20.303"	"		Peak outflow	0.101 c.m/sec"
"	0.100 Impervious Ia/S coefficient"	"	193.240	0.09981	21.130"	"		Maximum level	194.102 metre"
"	0.518 Impervious Initial abstraction"	"	193.283	0.09962	21.653"	"		Maximum storage	25.383 c.m"
"	0.228 0.000 0.041 0.041 c.m/sec"	"	193.326	0.09912	21.902"	"		Centroidal lag	1.604 hours"
"	Catchment 201 Pervious Impervious Total Area "	"	193.368	0.09865	21.987"	"		0.228 0.228 0.101 0.041 c.m/sec"	"
"	Surface Area 0.189 0.539 0.728 hectare"	"	193.411	0.09799	22.084"	"	40	HYDROGRAPH Next link "	"
"	Time of concentration 12.527 1.345 2.445	"	193.454	0.09720	22.181"	"	5	Next link "	"
minutes"		"	193.496	0.09627	22.276"	"		0.228 0.101 0.101 0.041"	"
"	Time to Centroid 120.808 90.354 93.351	"	193.539	0.09512	22.374"	"	54	POND DESIGN"	"
minutes"		"	193.582	0.09376	22.471"	"	0.101	Current peak flow	c.m/sec"
"	Rainfall depth 49.912 49.912 49.912 mm"	"	193.624	0.09207	22.566"	"	0.038	Target outflow	c.m/sec"
"	Rainfall volume 94.47 268.89 363.36 c.m"	"	193.667	0.08992	22.663"	"	258.6	Hydrograph volume	c.m"
"	Rainfall losses 36.336 6.218 14.049 mm"	"	193.710	0.08818	22.760"	"	20.	Number of stages"	"
"	Runoff depth 13.576 43.694 35.863 mm"	"	193.752	0.08973	22.855"	"	191.700	Minimum water level	metre"
"	Runoff volume 25.70 235.39 261.08 c.m"	"	193.795	0.09138	22.952"	"	193.450	Maximum water level	metre"
"	Runoff coefficient 0.272 0.875 0.719 "	"	193.838	0.09298	23.049"	"	192.600	Starting water level	metre"
"	Maximum flow 0.010 0.226 0.228 c.m/sec"	"	193.880	0.09441	23.144"	"	0	Keep Design Data: 1 = True; 0 = False"	"
" 40	HYDROGRAPH Add Runoff "	"	193.923	0.09598	23.241"	"		Level Discharge	Volume"
"	4 Add Runoff "	"	193.966	0.09747	23.339"	"	191.700	0.000	0.000"
"	0.228 0.228 0.041 0.041"	"	194.009	0.09894	23.436"	"	191.792	0.00299	1.00E-07"
" 54	POND DESIGN"	"	194.051	0.1004	23.539"	"		191.884	0.01114 1.00E-07"
"	0.228 Current peak flow c.m/sec"	"	194.094	0.1009	24.555"	"			

Miduss Output – Post-development 1 in 25 Year Storm Event

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"      191.976  0.01546  1.00E-07"
"      192.068  0.01882  1.00E-07"
"      192.161  0.02169  1.00E-07"
"      192.253  0.02419  1.00E-07"
"      192.345  0.02646  1.00E-07"
"      192.437  0.02855  1.00E-07"
"      192.529  0.03050  1.00E-07"
"      192.621  0.03233  1.312"
"      192.713  0.03406  8.311"
"      192.805  0.03571  17.385"
"      192.897  0.03728  28.594"
"      192.989  0.03879  41.990"
"      193.082  0.04026  57.813"
"      193.200  0.04206  81.281"
"      193.266  0.07288  96.104"
"      193.358  0.1747  118.840"
"      193.450  0.3444  144.045"
"  1. WEIRS"
"      Crest  Weir  Crest  Left  Right"
"      elevation coefficie breadth sideslope sideslope"
"      193.200  0.900  1.000  3.000  3.000"
"  1. ORIFICES"
"      Orifice  Orifice  Orifice Number of"
"      invert coefficie diameter orifices"
"      191.700  0.630  0.1270  1.000"
"  1. LAYERS"
"      Bottom  Aspect  Bottom  Top  Average"
"      area  ratio elevation elevation sideslope"
"      60.000  24.000  192.600  193.450  3.000"
"      Peak outflow          0.042  c.m/sec"
"      Maximum level        193.204  metre"
"      Maximum storage       82.142  c.m"
"      Centroidal lag        1.867  hours"
"      0.228  0.101  0.042  0.041 c.m/sec"
" 40  HYDROGRAPH  Combine  1"
"      6  Combine "
"      1  Node #"
"      Site Totals"
"      Maximum flow          0.076  c.m/sec"
"      Hydrograph volume     318.043  c.m"
"      0.228  0.101  0.042  0.076"

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Miduss Output – Post-development 1 in 50 Year Storm Event

" MIDUSS Output ----->"	" 0.110 Impervious Area"	" 192.937 0.05225 1.00E-07"
" MIDUSS version Version 2.25 rev. 473"	" 34.400 Impervious length"	" 193.071 0.06629 1.00E-07"
" MIDUSS created February 7, 2010"	" 1.000 Impervious slope"	" 193.205 0.07791 1.00E-07"
" 10 Units used: ie METRIC"	" 0.250 Pervious Manning 'n'"	" 193.339 0.08801 1.00E-07"
" Job folder: C:\Users\joele\Antech	" 75.000 Pervious SCS Curve No."	" 193.474 0.09714 1.00E-07"
Dropbox\AntechDesign\"	" 0.302 Pervious Runoff coefficient"	" 193.608 0.1054 1.00E-07"
" ProjectFiles\JKDevelopments\232602-129Davidson-	" 0.100 Pervious Ia/S coefficient"	" 193.742 0.1131 1.00E-07"
Apartment\2-	" 8.467 Pervious Initial abstraction"	" 193.876 0.1203 1.00E-07"
Design\5..StormWaterManagementReport\2..Miduss\Proposed	" 0.015 Impervious Manning 'n'"	" 194.011 0.1271 1.00E-07"
Conditions"	" 98.000 Impervious SCS Curve No."	" 194.145 0.1335 1.00E-07"
" Output filename: Proposed Conditions-	" 0.898 Impervious Runoff coefficient"	" 194.279 0.1397 1.00E-07"
XYearV7.Out"	" 0.100 Impervious Ia/S coefficient"	" 194.413 0.1455 1.00E-07"
" Licensee name:	" 0.518 Impervious Initial abstraction"	" 194.547 0.1512 0.2413"
joe.lefaive@antechdesign.com"	" 0.047 0.000 0.000 0.000 c.m/sec"	" 194.682 0.1567 2.119"
" Company Antech"	" Catchment 200 Pervious Impervious Total Area "	" 194.816 0.1620 7.417"
" Date & Time last used: 2023-10-25 at 10:08:58	" Surface Area 0.067 0.110 0.177 hectare"	" 194.950 0.2407 41.132"
AM"	" Time of concentration 19.290 2.177 5.099	" 1. WEIRS"
" 31 TIME PARAMETERS"	minutes"	" Crest Weir Crest Left Right"
" 5.000 Time Step"	" Time to Centroid 130.170 91.397 98.017	" elevation coefficie breadth sideslope sideslope"
" 180.000 Max. Storm length"	minutes"	" 194.910 0.900 6.000 0.000 0.000"
" 1500.000 Max. Hydrograph"	" Rainfall depth 55.452 55.452 55.452 mm"	" 2. WEDGES"
" 32 STORM Chicago storm"	" Rainfall volume 37.30 60.85 98.15 c.m"	" Wedge Grade 1 Grade 2 Angle Number"
" 1 Chicago storm"	" Rainfall losses 38.723 5.653 18.220 mm"	" invert g1H:1V g2H:1V subtended of wedges"
" 702.700 Coefficient A"	" Runoff depth 16.729 49.799 37.232 mm"	" 194.420 50.000 4.500 90.000 2.000"
" 0.093 Constant B"	" Runoff volume 11.25 54.65 65.90 c.m"	" 194.790 110.000 100.000 90.000 2.000"
" 0.701 Exponent C"	" Runoff coefficient 0.302 0.898 0.671 "	" 1. OUTFLOW PIPE"
" 0.400 Fraction R"	" Maximum flow 0.003 0.046 0.047 c.m/sec"	" Upstream Downstr'm Pipe Pipe Manning Entry"
" 180.000 Duration"	" 40 HYDROGRAPH Add Runoff "	" invert invert Length Diameter 'n' loss Ke"
" 1.000 Time step multiplier"	" 4 Add Runoff "	" 192.470 192.400 10.800 0.250 0.013 0.500"
" Maximum intensity 224.671 mm/hr"	" 0.047 0.047 0.000 0.000"	" Peak outflow 0.047 c.m/sec"
" Total depth 55.452 mm"	" 54 POND DESIGN"	" Maximum level 192.400 metre"
" 6 050hyd Hydrograph extension used in this file"	" 0.047 Current peak flow c.m/sec"	" Maximum storage 0.000 c.m"
" 33 CATCHMENT 200"	" 0.018 Target outflow c.m/sec"	" Centroidal lag 1.634 hours"
" 1 Triangular SCS"	" 65.9 Hydrograph volume c.m"	" 0.047 0.047 0.047 0.000 c.m/sec"
" 1 Equal length"	" 20. Number of stages"	" 40 HYDROGRAPH Combine 1"
" 1 SCS method"	" 192.400 Minimum water level metre"	" 6 Combine "
" 200 CA200-Drainage towards Davidson"	" 194.950 Maximum water level metre"	" 1 Node #"
" 62.000 % Impervious"	" 192.470 Starting water level metre"	" Site Totals"
" 0.177 Total Area"	" 0 Keep Design Data: 1 = True; 0 = False"	" Maximum flow 0.047 c.m/sec"
" 34.400 Flow length"	" Level Discharge Volume"	" Hydrograph volume 65.901 c.m"
" 1.000 Overland Slope"	" 192.400 0.000 0.000"	" 0.047 0.047 0.047 0.047"
" 0.067 Pervious Area"	" 192.534 0.00296 1.00E-07"	" 40 HYDROGRAPH Start - New Tributary"
" 34.400 Pervious length"	" 192.668 0.01510 1.00E-07"	" 2 Start - New Tributary"
" 1.000 Pervious slope"	" 192.803 0.03456 1.00E-07"	" 0.047 0.000 0.047 0.047"

Miduss Output – Post-development 1 in 50 Year Storm Event

" 33	CATCHMENT 201"	"	0.062	Target outflow	c.m/sec"	"	194.137	0.1009	29.101"
"	1 Triangular SCS"	"	295.5	Hydrograph volume	c.m"	"	194.179	0.1009	39.642"
"	1 Equal length"	"	42.	Number of stages"	"	"	194.222	0.1009	59.432"
"	1 SCS method"	"	192.600	Minimum water level	metre"	"	194.265	0.1009	91.116"
"	201 CA201 - Drainage to Lakeshore"	"	194.350	Maximum water level	metre"	"	194.307	0.1009	136.247"
"	74.000 % Impervious"	"	192.640	Starting water level	metre"	"	194.350	0.1009	199.712"
"	0.728 Total Area"	"	0	Keep Design Data: 1 = True; 0 = False"	"	"	1.	VORTEX VALVES"	"
"	20.200 Flow length"	"		Level Discharge	Volume"	"		Invert Flush Q Flush Vortex List"	"
"	2.000 Overland Slope"	"	192.600	0.000	0.000"	"		Level Head Flow Type Index"	"
"	0.189 Pervious Area"	"	192.643	0.00213	0.00014"	"	192.600	1.440	10.000 4.000 18.000"
"	20.200 Pervious length"	"	192.685	0.00797	0.1184"	"		C:\Program Files	"
"	2.000 Pervious slope"	"	192.728	0.01729	0.6182"	"	(x86)\MIDUSS\VortexValves\HILmet_SXH18.0in_1.440x_10.0.dat		
"	0.539 Impervious Area"	"	192.771	0.02913	1.624"	"	1.	WEDGES"	"
"	20.200 Impervious length"	"	192.813	0.04292	3.050"	"		Wedge Grade 1 Grade 2 Angle Number"	"
"	2.000 Impervious slope"	"	192.856	0.05813	4.865"	"		invert g1H:1V g2H:1V subtended of wedges"	"
"	0.250 Pervious Manning 'n'"	"	192.899	0.07348	6.973"	"	194.040	45.000	50.000 90.000 10.000"
"	75.000 Pervious SCS Curve No."	"	192.941	0.08705	9.232"	"	2.	SUPERPIPES_1"	"
"	0.302 Pervious Runoff coefficient"	"	192.984	0.09615	11.598"	"	1.	Type 1 is Pipe"	"
"	0.100 Pervious Ia/S coefficient"	"	193.027	0.09765	13.844"	"		Downstream Pipe Pipe Pipe Pipe Number of"	"
"	8.467 Pervious Initial abstraction"	"	193.070	0.09871	15.885"	"		Invert Length Width Height Grade % Pipes"	"
"	0.015 Impervious Manning 'n'"	"	193.112	0.09935	17.629"	"	192.640	125.000	0.300 0.300 0.250 1.000"
"	98.000 Impervious SCS Curve No."	"	193.155	0.09981	19.124"	"	192.640	46.000	0.600 0.600 0.250 1.000"
"	0.883 Impervious Runoff coefficient"	"	193.198	0.09991	20.303"	"		Peak outflow	0.101 c.m/sec"
"	0.100 Impervious Ia/S coefficient"	"	193.240	0.09981	21.130"	"		Maximum level	194.101 metre"
"	0.518 Impervious Initial abstraction"	"	193.283	0.09962	21.653"	"		Maximum storage	25.296 c.m"
"	0.259 0.000 0.047 0.047 c.m/sec"	"	193.326	0.09912	21.902"	"		Centroidal lag	1.615 hours"
"	Catchment 201 Pervious Impervious Total Area "	"	193.368	0.09865	21.987"	"		0.259 0.259 0.101 0.047 c.m/sec"	"
"	Surface Area 0.189 0.539 0.728 hectare"	"	193.411	0.09799	22.084"	"	40	HYDROGRAPH Next link "	"
"	Time of concentration 11.384 1.285 2.369	"	193.454	0.09720	22.181"	"	5	Next link "	"
minutes"		"	193.496	0.09627	22.276"	"		0.259 0.101 0.101 0.047"	"
"	Time to Centroid 118.482 89.952 93.015	"	193.539	0.09512	22.374"	"	54	POND DESIGN"	"
minutes"		"	193.582	0.09376	22.471"	"	0.101	Current peak flow	c.m/sec"
"	Rainfall depth 55.452 55.452 55.452 mm"	"	193.624	0.09207	22.566"	"	0.038	Target outflow	c.m/sec"
"	Rainfall volume 104.96 298.73 403.69 c.m"	"	193.667	0.08992	22.663"	"	292.4	Hydrograph volume	c.m"
"	Rainfall losses 38.693 6.493 14.865 mm"	"	193.710	0.08818	22.760"	"	20.	Number of stages"	"
"	Runoff depth 16.758 48.959 40.587 mm"	"	193.752	0.08973	22.855"	"	191.700	Minimum water level	metre"
"	Runoff volume 31.72 263.75 295.47 c.m"	"	193.795	0.09138	22.952"	"	193.450	Maximum water level	metre"
"	Runoff coefficient 0.302 0.883 0.732 "	"	193.838	0.09298	23.049"	"	192.600	Starting water level	metre"
"	Maximum flow 0.013 0.256 0.259 c.m/sec"	"	193.880	0.09441	23.144"	"	0	Keep Design Data: 1 = True; 0 = False"	"
" 40	HYDROGRAPH Add Runoff "	"	193.923	0.09598	23.241"	"		Level Discharge	Volume"
"	4 Add Runoff "	"	193.966	0.09747	23.339"	"	191.700	0.000	0.000"
"	0.259 0.259 0.047 0.047"	"	194.009	0.09894	23.436"	"	191.792	0.00299	1.00E-07"
" 54	POND DESIGN"	"	194.051	0.1004	23.539"	"	191.884	0.01114	1.00E-07"
"	0.259 Current peak flow c.m/sec"	"	194.094	0.1009	24.555"	"			

Miduss Output – Post-development 1 in 50 Year Storm Event

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"      191.976  0.01546  1.00E-07"
"      192.068  0.01882  1.00E-07"
"      192.161  0.02169  1.00E-07"
"      192.253  0.02419  1.00E-07"
"      192.345  0.02646  1.00E-07"
"      192.437  0.02855  1.00E-07"
"      192.529  0.03050  1.00E-07"
"      192.621  0.03233  1.312"
"      192.713  0.03406  8.311"
"      192.805  0.03571  17.385"
"      192.897  0.03728  28.594"
"      192.989  0.03879  41.990"
"      193.082  0.04026  57.813"
"      193.200  0.04206  81.281"
"      193.266  0.07288  96.104"
"      193.358  0.1747  118.840"
"      193.450  0.3444  144.045"
"  1. WEIRS"
"      Crest  Weir  Crest  Left  Right"
"      elevation coefficie breadth sideslope sideslope"
"      193.200  0.900  1.000  3.000  3.000"
"  1. ORIFICES"
"      Orifice  Orifice  Orifice Number of"
"      invert coefficie diameter orifices"
"      191.700  0.630  0.1270  1.000"
"  1. LAYERS"
"      Bottom  Aspect  Bottom  Top  Average"
"      area  ratio elevation elevation sideslope"
"      60.000  24.000  192.600  193.450  3.000"
"      Peak outflow          0.063  c.m/sec"
"      Maximum level          193.244  metre"
"      Maximum storage          91.140  c.m"
"      Centroidal lag          1.879  hours"
"      0.259  0.101  0.063  0.047 c.m/sec"
" 40  HYDROGRAPH  Combine  1"
"      6  Combine "
"      1  Node #"
"      Site Totals"
"      Maximum flow          0.082  c.m/sec"
"      Hydrograph volume          356.170  c.m"
"      0.259  0.101  0.063  0.082"

```


Miduss Output – Post-development 1 in 100 Year Storm Event

" MIDUSS Output ----->"	" 0.110 Impervious Area"	" 192.937 0.05225 1.00E-07"
" MIDUSS version Version 2.25 rev. 473"	" 34.400 Impervious length"	" 193.071 0.06629 1.00E-07"
" MIDUSS created February 7, 2010"	" 1.000 Impervious slope"	" 193.205 0.07791 1.00E-07"
" 10 Units used: ie METRIC"	" 0.250 Pervious Manning 'n'"	" 193.339 0.08801 1.00E-07"
" Job folder: C:\Users\joele\Antech	" 75.000 Pervious SCS Curve No."	" 193.474 0.09714 1.00E-07"
Dropbox\AntechDesign\"	" 0.329 Pervious Runoff coefficient"	" 193.608 0.1054 1.00E-07"
" ProjectFiles\JKDevelopments\232602-129Davidson-	" 0.100 Pervious Ia/S coefficient"	" 193.742 0.1131 1.00E-07"
Apartment\2-	" 8.467 Pervious Initial abstraction"	" 193.876 0.1203 1.00E-07"
Design\5..StormWaterManagementReport\2..Miduss\Proposed	" 0.015 Impervious Manning 'n'"	" 194.011 0.1271 1.00E-07"
Conditions"	" 98.000 Impervious SCS Curve No."	" 194.145 0.1335 1.00E-07"
" Output filename: Proposed Conditions-	" 0.905 Impervious Runoff coefficient"	" 194.279 0.1397 1.00E-07"
XYearV7.Out"	" 0.100 Impervious Ia/S coefficient"	" 194.413 0.1455 1.00E-07"
" Licensee name:	" 0.518 Impervious Initial abstraction"	" 194.547 0.1512 0.2413"
joe.lefaive@antechdesign.com"	" 0.053 0.000 0.000 0.000 c.m/sec"	" 194.682 0.1567 2.119"
" Company Antech"	" Catchment 200 Pervious Impervious Total Area "	" 194.816 0.1620 7.417"
" Date & Time last used: 2023-10-25 at 10:08:58	" Surface Area 0.067 0.110 0.177 hectare"	" 194.950 0.2407 41.132"
AM"	" Time of concentration 17.782 2.090 4.950	" 1. WEIRS"
" 31 TIME PARAMETERS"	minutes"	" Crest Weir Crest Left Right"
" 5.000 Time Step"	" Time to Centroid 127.422 90.999 97.637	" elevation coefficie breadth sideslope sideslope"
" 180.000 Max. Storm length"	minutes"	" 194.910 0.900 6.000 0.000 0.000"
" 1500.000 Max. Hydrograph"	" Rainfall depth 60.875 60.875 60.875 mm"	" 2. WEDGES"
" 32 STORM Chicago storm"	" Rainfall volume 40.94 66.80 107.75 c.m"	" Wedge Grade 1 Grade 2 Angle Number"
" 1 Chicago storm"	" Rainfall losses 40.848 5.806 19.122 mm"	" invert g1H:1V g2H:1V subtended of wedges"
" 773.400 Coefficient A"	" Runoff depth 20.027 55.069 41.753 mm"	" 194.420 50.000 4.500 90.000 2.000"
" 0.084 Constant B"	" Runoff volume 13.47 60.43 73.90 c.m"	" 194.790 110.000 100.000 90.000 2.000"
" 0.701 Exponent C"	" Runoff coefficient 0.329 0.905 0.686 "	" 1. OUTFLOW PIPE"
" 0.400 Fraction R"	" Maximum flow 0.004 0.052 0.053 c.m/sec"	" Upstream Downstr'm Pipe Pipe Manning Entry"
" 180.000 Duration"	" 40 HYDROGRAPH Add Runoff "	" invert invert Length Diameter 'n' loss Ke"
" 1.000 Time step multiplier"	" 4 Add Runoff "	" 192.470 192.400 10.800 0.250 0.013 0.500"
" Maximum intensity 247.374 mm/hr"	" 0.053 0.053 0.000 0.000"	" Peak outflow 0.053 c.m/sec"
" Total depth 60.875 mm"	" 54 POND DESIGN"	" Maximum level 192.400 metre"
" 6 100hyd Hydrograph extension used in this file"	" 0.053 Current peak flow c.m/sec"	" Maximum storage 0.000 c.m"
" 33 CATCHMENT 200"	" 0.018 Target outflow c.m/sec"	" Centroidal lag 1.627 hours"
" 1 Triangular SCS"	" 73.9 Hydrograph volume c.m"	" 0.053 0.053 0.053 0.000 c.m/sec"
" 1 Equal length"	" 20. Number of stages"	" 40 HYDROGRAPH Combine 1"
" 1 SCS method"	" 192.400 Minimum water level metre"	" 6 Combine "
" 200 CA200-Drainage towards Davidson"	" 194.950 Maximum water level metre"	" 1 Node #"
" 62.000 % Impervious"	" 192.470 Starting water level metre"	" Site Totals"
" 0.177 Total Area"	" 0 Keep Design Data: 1 = True; 0 = False"	" Maximum flow 0.053 c.m/sec"
" 34.400 Flow length"	" Level Discharge Volume"	" Hydrograph volume 73.903 c.m"
" 1.000 Overland Slope"	" 192.400 0.000 0.000"	" 0.053 0.053 0.053 0.053"
" 0.067 Pervious Area"	" 192.534 0.00296 1.00E-07"	" 40 HYDROGRAPH Start - New Tributary"
" 34.400 Pervious length"	" 192.668 0.01510 1.00E-07"	" 2 Start - New Tributary"
" 1.000 Pervious slope"	" 192.803 0.03456 1.00E-07"	" 0.053 0.000 0.053 0.053"

Miduss Output – Post-development 1 in 100 Year Storm Event

" 33	CATCHMENT 201"	"	0.062	Target outflow	c.m/sec"	"	194.137	0.1009	29.101"
"	1 Triangular SCS"	"	329.2	Hydrograph volume	c.m"	"	194.179	0.1009	39.642"
"	1 Equal length"	"	42.	Number of stages"	"	"	194.222	0.1009	59.432"
"	1 SCS method"	"	192.600	Minimum water level	metre"	"	194.265	0.1009	91.116"
"	201 CA201 - Drainage to Lakeshore"	"	194.350	Maximum water level	metre"	"	194.307	0.1009	136.247"
"	74.000 % Impervious"	"	192.640	Starting water level	metre"	"	194.350	0.1009	199.712"
"	0.728 Total Area"	"	0	Keep Design Data: 1 = True; 0 = False"	"	"	1.	VORTEX VALVES"	"
"	20.200 Flow length"	"		Level Discharge	Volume"	"		Invert Flush Q Flush Vortex List"	"
"	2.000 Overland Slope"	"	192.600	0.000	0.000"	"		Level Head Flow Type Index"	"
"	0.189 Pervious Area"	"	192.643	0.00213	0.00014"	"	192.600	1.440	10.000 4.000 18.000"
"	20.200 Pervious length"	"	192.685	0.00797	0.1184"	"	C:\Program Files		
"	2.000 Pervious slope"	"	192.728	0.01729	0.6182"	"	(x86)\MIDUSS\VortexValves\HILmet_SXH18.0in_1.440x_10.0.dat		
"	0.539 Impervious Area"	"	192.771	0.02913	1.624"	"	1.	WEDGES"	"
"	20.200 Impervious length"	"	192.813	0.04292	3.050"	"		Wedge Grade 1 Grade 2 Angle Number"	"
"	2.000 Impervious slope"	"	192.856	0.05813	4.865"	"		invert g1H:1V g2H:1V subtended of wedges"	"
"	0.250 Pervious Manning 'n'"	"	192.899	0.07348	6.973"	"	194.040	45.000	50.000 90.000 10.000"
"	75.000 Pervious SCS Curve No."	"	192.941	0.08705	9.232"	"	2.	SUPERPIPES_1"	"
"	0.328 Pervious Runoff coefficient"	"	192.984	0.09615	11.598"	"	1.	Type 1 is Pipe"	"
"	0.100 Pervious Ia/S coefficient"	"	193.027	0.09765	13.844"	"		Downstream Pipe Pipe Pipe Pipe Number of"	"
"	8.467 Pervious Initial abstraction"	"	193.070	0.09871	15.885"	"		Invert Length Width Height Grade % Pipes"	"
"	0.015 Impervious Manning 'n'"	"	193.112	0.09935	17.629"	"	192.640	125.000	0.300 0.300 0.250 1.000"
"	98.000 Impervious SCS Curve No."	"	193.155	0.09981	19.124"	"	192.640	46.000	0.600 0.600 0.250 1.000"
"	0.888 Impervious Runoff coefficient"	"	193.198	0.09991	20.303"	"		Peak outflow	0.101 c.m/sec"
"	0.100 Impervious Ia/S coefficient"	"	193.240	0.09981	21.130"	"		Maximum level	194.141 metre"
"	0.518 Impervious Initial abstraction"	"	193.283	0.09962	21.653"	"		Maximum storage	30.140 c.m"
"	0.290 0.000 0.053 0.053 c.m/sec"	"	193.326	0.09912	21.902"	"		Centroidal lag	1.622 hours"
"	Catchment 201 Pervious Impervious Total Area "	"	193.368	0.09865	21.987"	"		0.290 0.290 0.101 0.053 c.m/sec"	"
"	Surface Area 0.189 0.539 0.728 hectare"	"	193.411	0.09799	22.084"	"	40	HYDROGRAPH Next link "	"
"	Time of concentration 10.494 1.234 2.297	"	193.454	0.09720	22.181"	"	5	Next link "	"
minutes"		"	193.496	0.09627	22.276"	"		0.290 0.101 0.101 0.053"	"
"	Time to Centroid 116.625 89.575 92.681	"	193.539	0.09512	22.374"	"	54	POND DESIGN"	"
minutes"		"	193.582	0.09376	22.471"	"	0.101	Current peak flow	c.m/sec"
"	Rainfall depth 60.875 60.875 60.875 mm"	"	193.624	0.09207	22.566"	"	0.038	Target outflow	c.m/sec"
"	Rainfall volume 115.22 327.94 443.17 c.m"	"	193.667	0.08992	22.663"	"	325.7	Hydrograph volume	c.m"
"	Rainfall losses 40.904 6.789 15.659 mm"	"	193.710	0.08818	22.760"	"	20.	Number of stages"	"
"	Runoff depth 19.971 54.086 45.216 mm"	"	193.752	0.08973	22.855"	"	191.700	Minimum water level	metre"
"	Runoff volume 37.80 291.37 329.17 c.m"	"	193.795	0.09138	22.952"	"	193.450	Maximum water level	metre"
"	Runoff coefficient 0.328 0.888 0.743 "	"	193.838	0.09298	23.049"	"	192.600	Starting water level	metre"
"	Maximum flow 0.016 0.285 0.290 c.m/sec"	"	193.880	0.09441	23.144"	"	0	Keep Design Data: 1 = True; 0 = False"	"
" 40	HYDROGRAPH Add Runoff "	"	193.923	0.09598	23.241"	"		Level Discharge	Volume"
"	4 Add Runoff "	"	193.966	0.09747	23.339"	"	191.700	0.000	0.000"
"	0.290 0.290 0.053 0.053"	"	194.009	0.09894	23.436"	"	191.792	0.00299	1.00E-07"
" 54	POND DESIGN"	"	194.051	0.1004	23.539"	"	191.884	0.01114	1.00E-07"
"	0.290 Current peak flow c.m/sec"	"	194.094	0.1009	24.555"	"			

Miduss Output – Post-development 1 in 100 Year Storm Event

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"      191.976  0.01546  1.00E-07"
"      192.068  0.01882  1.00E-07"
"      192.161  0.02169  1.00E-07"
"      192.253  0.02419  1.00E-07"
"      192.345  0.02646  1.00E-07"
"      192.437  0.02855  1.00E-07"
"      192.529  0.03050  1.00E-07"
"      192.621  0.03233  1.312"
"      192.713  0.03406  8.311"
"      192.805  0.03571  17.385"
"      192.897  0.03728  28.594"
"      192.989  0.03879  41.990"
"      193.082  0.04026  57.813"
"      193.200  0.04206  81.281"
"      193.266  0.07288  96.104"
"      193.358  0.1747  118.840"
"      193.450  0.3444  144.045"
"  1. WEIRS"
"      Crest  Weir  Crest  Left  Right"
"      elevation coefficie breadth sideslope sideslope"
"      193.200  0.900  1.000  3.000  3.000"
"  1. ORIFICES"
"      Orifice  Orifice  Orifice Number of"
"      invert coefficie diameter orifices"
"      191.700  0.630  0.1270  1.000"
"  1. LAYERS"
"      Bottom  Aspect  Bottom  Top  Average"
"      area  ratio elevation elevation sideslope"
"      60.000  24.000  192.600  193.450  3.000"
"      Peak outflow          0.077  c.m/sec"
"      Maximum level          193.274  metre"
"      Maximum storage          98.180  c.m"
"      Centroidal lag          1.903  hours"
"      0.290  0.101  0.077  0.053 c.m/sec"
" 40  HYDROGRAPH  Combine  1"
"      6  Combine "
"      1  Node #"
"      Site Totals"
"      Maximum flow          0.088  c.m/sec"
"      Hydrograph volume          401.013  c.m"
"      0.290  0.101  0.077  0.088"

```

Appendix F: Storm Sewer Design Sheet

Computation Form for the Design of Storm Sewers																							
			Project:	129 Davidson St New Liskeard					Manning's n		0.013	Name		JL									
m.h. number		Type of Pipe	length	tributary area		time of flow		runoff coeff.	rainfall intensity	total runoff	slope of sewer	diameter	capacity	velocity	m.h. invert drop	fall in the sewer	sewer invert elev.		ground surface elev.		Capacity Sufficient?	Velocity check	Elev Sufficient?
from	to			increment	total A	To Upper End	in section v										up-stream	down stream	up-stream	down stream			
				(m)	(ha)	(min)	(min)																
1	2		3	4	5	6	7	8	9	10	11	12	13	14	16	17	18	19	20	21	22	23	24
ST1	ST2	PVC	34.40	0.0904	0.0904	10.00	0.84	0.9	91.017	20.73	0.25	300	48.38	0.68	-	0.09	193.14	193.05	194.04	194.04	43%	YES	NO
ST2	ST3	PVC	59.80	0.0635	0.1539	10.84	1.47	0.9	86.033	33.36	0.25	300	48.38	0.68	0.06	0.15	192.99	192.84	194.04	194.04	69%	YES	NO
ST3	ST6	PVC	31.40	0.0790	0.2328	12.31	0.77	0.9	78.723	46.19	0.25	300	48.38	0.68	0.06	0.08	192.78	192.7	194.04	194.2	95%	YES	NO
ST4	ST5	RC100D	27.00	0.0451	0.2779	10.00	0.41	0.9	91.017	63.75	0.25	600	307.17	1.09	-	0.07	192.85	192.78	194.04	194.04	21%	YES	NO
ST5	ST6	RC100D	19.80	0.0429	0.3208	10.41	0.3	0.9	88.499	71.55	0.25	600	307.17	1.09	0.03	0.05	192.75	192.7	194.04	194.2	23%	YES	NO
BLDG	ST6	PVC	7.40	0.1639	0.4848	10.00	0.06	0.9	91.017	111.18	2.00	300	136.83	1.93	-	0.15	192.86	192.71	194.55	194.2	81%	YES	NO
ST6	ST7	PVC	7.00	0.0255	0.5103	10.06	0.13	0.9	90.638	116.55	0.25	450	142.63	0.90	0.07	0.02	192.64	192.62	194.2	194.15	82%	YES	NO
ST7*	HEADWALL	PVC	2.00	0.0000	0.5103	10.19	0.04	0.9	89.829	100.00	0.25	450	142.63	0.90	0.025	0.01	192.60	192.60	194.15	193.05	70%	YES	NO
ST13*	EX. ST14	PVC	6.20	0.0000	0.5103	10.23	0.08	0.9	89.584	39.00	1.00	300	96.75	1.37	-	0.06	191.7	191.64	192.6	193.16	40%	YES	NO
ST8	ST9	PVC	26.50	0.0390	0.0390	10.00	0.44	0.9	91.017	8.95	0.70	250	49.78	1.01	-	0.19	192.95	192.76	194.42	194.79	18%	YES	YES
ST9	ST10	PVC	28.20	0.0849	0.1239	10.44	0.47	0.9	88.322	27.58	0.70	250	49.78	1.01	0.06	0.20	192.70	192.50	194.79	194.99	55%	YES	YES
BLDG	ST10	PVC	6.80	0.0218	0.1458	10.00	0.07	0.9	91.017	33.43	2.00	250	84.14	1.71	-	0.14	192.64	192.50	195.42	194.99	40%	YES	YES
ST10	ST11	PVC	18.50	0.0316	0.1774	10.07	0.31	0.9	90.575	40.49	0.70	250	49.78	1.01	0.07	0.13	192.43	192.30	194.99	195.28	81%	YES	YES
ST11	ST12	PVC	12.80	0.0000	0.1774	10.38	0.21	0.9	88.678	39.64	0.70	250	49.78	1.01	0.025	0.09	192.27	192.18	195.28	194.87	80%	YES	YES

*OUTLETS HAVE FLOW CONTROL DEVICES TOTAL RUNOFF REPORTED IS TAKEN FROM THE 5-YEAR DESIGN STORM MIDUSS OUPUT.

Appendix G: Stormceptor Sizing Report

Stormceptor® EF Sizing Report

Imbrium® Systems

ESTIMATED NET ANNUAL SEDIMENT (TSS) LOAD REDUCTION

10/26/2023

Province:	Ontario	Project Name:	JK Development
City:	New Liskeard	Project Number:	232602
Nearest Rainfall Station:	NORTH BAY AP	Designer Name:	Joe Lefaive
Climate Station Id:	6085700	Designer Company:	Antech Design and Engineering Group
Years of Rainfall Data:	40	Designer Email:	joe.lefaive@antechdesign.com
		Designer Phone:	226-934-4392
Site Name:	Site A - 6-Plex	EOR Name:	
		EOR Company:	
Drainage Area (ha):	0.18	EOR Email:	
% Imperviousness:	62.00	EOR Phone:	
Runoff Coefficient 'c': 0.67			

Particle Size Distribution:	Fine
Target TSS Removal (%):	80.0

Required Water Quality Runoff Volume Capture (%):	90.00
Estimated Water Quality Flow Rate (L/s):	17.95
Oil / Fuel Spill Risk Site?	Yes
Upstream Flow Control?	No
Peak Conveyance (maximum) Flow Rate (L/s):	
Influent TSS Concentration (mg/L):	100
Estimated Average Annual Sediment Load (kg/yr):	78
Estimated Average Annual Sediment Volume (L/yr):	64

Net Annual Sediment (TSS) Load Reduction Sizing Summary

Stormceptor Model	TSS Removal Provided (%)
EFO4	97
EFO6	99
EFO8	100
EFO10	100
EFO12	100

Recommended Stormceptor EFO Model: **EFO4**
Estimated Net Annual Sediment (TSS) Load Reduction (%): **97**
Water Quality Runoff Volume Capture (%): **> 90**

Stormceptor® EF Sizing Report

THIRD-PARTY TESTING AND VERIFICATION

► **Stormceptor® EF and Stormceptor® EFO** are the latest evolutions in the Stormceptor® oil-grit separator (OGS) technology series, and are designed to remove a wide variety of pollutants from stormwater and snowmelt runoff. These technologies have been third-party tested in accordance with the Canadian ETV **Procedure for Laboratory Testing of Oil-Grit Separators** and performance has been third-party verified in accordance with the **ISO 14034 Environmental Technology Verification (ETV)** protocol.

PERFORMANCE

► **Stormceptor® EF and EFO** remove stormwater pollutants through gravity separation and floatation, and feature a patent-pending design that generates positive removal of total suspended solids (TSS) throughout each storm event, including high-intensity storms. Captured pollutants include sediment, free oils, and sediment-bound pollutants such as nutrients, heavy metals, and petroleum hydrocarbons. Stormceptor is sized to remove a high level of TSS from the frequent rainfall events that contribute the vast majority of annual runoff volume and pollutant load. The technology incorporates an internal bypass to convey excessive stormwater flows from high-intensity storms through the device without resuspension and washout (scour) of previously captured pollutants. Proper routine maintenance ensures high pollutant removal performance and protection of downstream waterways.

PARTICLE SIZE DISTRIBUTION (PSD)

► The **Canadian ETV PSD** shown in the table below was used, or in part, for this sizing. This is the identical PSD that is referenced in the Canadian ETV **Procedure for Laboratory Testing of Oil-Grit Separators** for both sediment removal testing and scour testing. The Canadian ETV PSD contains a wide range of particle sizes in the sand and silt fractions, and is considered reasonably representative of the particle size fractions found in typical urban stormwater runoff.

Particle Size (µm)	Percent Less Than	Particle Size Fraction (µm)	Percent
1000	100	500-1000	5
500	95	250-500	5
250	90	150-250	15
150	75	100-150	15
100	60	75-100	10
75	50	50-75	5
50	45	20-50	10
20	35	8-20	15
8	20	5-8	10
5	10	2-5	5
2	5	<2	5

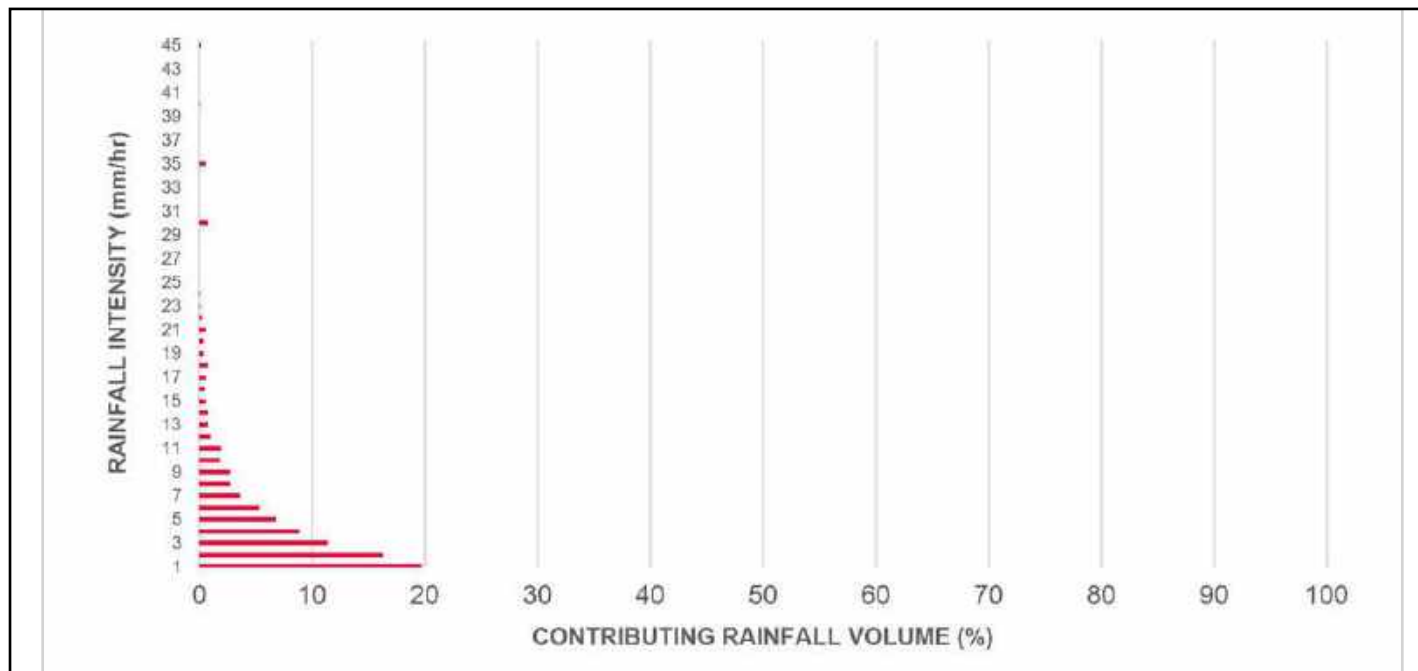
Stormceptor® EF Sizing Report

Rainfall Intensity (mm / hr)	Percent Rainfall Volume (%)	Cumulative Rainfall Volume (%)	Flow Rate (L/s)	Flow Rate (L/min)	Surface Loading Rate (L/min/m²)	Removal Efficiency (%)	Incremental Removal (%)	Cumulative Removal (%)
0.50	9.4	9.4	0.17	10.0	8.0	100	9.4	9.4
1.00	19.7	29.2	0.34	20.0	17.0	100	19.7	29.2
2.00	16.3	45.5	0.67	40.0	34.0	100	16.3	45.5
3.00	11.4	56.9	1.01	61.0	50.0	100	11.4	56.9
4.00	8.9	65.8	1.35	81.0	67.0	100	8.9	65.8
5.00	6.8	72.6	1.68	101.0	84.0	98	6.7	72.5
6.00	5.4	78.1	2.02	121.0	101.0	96	5.2	77.7
7.00	3.7	81.8	2.35	141.0	118.0	95	3.5	81.3
8.00	2.8	84.6	2.69	161.0	135.0	92	2.6	83.9
9.00	2.8	87.4	3.03	182.0	151.0	89	2.5	86.4
10.00	1.9	89.4	3.36	202.0	168.0	88	1.7	88.1
11.00	2.0	91.4	3.70	222.0	185.0	86	1.7	89.8
12.00	1.0	92.4	4.04	242.0	202.0	83	0.9	90.7
13.00	0.8	93.2	4.37	262.0	219.0	83	0.7	91.4
14.00	0.8	94.1	4.71	282.0	235.0	82	0.7	92.0
15.00	0.6	94.6	5.04	303.0	252.0	81	0.5	92.5
16.00	0.5	95.1	5.38	323.0	269.0	80	0.4	92.9
17.00	0.6	95.7	5.72	343.0	286.0	79	0.5	93.4
18.00	0.8	96.5	6.05	363.0	303.0	78	0.6	94.0
19.00	0.4	97.0	6.39	383.0	319.0	78	0.3	94.3
20.00	0.4	97.3	6.73	404.0	336.0	77	0.3	94.6
21.00	0.6	97.9	7.06	424.0	353.0	76	0.4	95.0
22.00	0.3	98.2	7.40	444.0	370.0	75	0.2	95.2
23.00	0.1	98.3	7.73	464.0	387.0	75	0.1	95.3
24.00	0.1	98.3	8.07	484.0	404.0	74	0.1	95.4
25.00	0.0	98.3	8.41	504.0	420.0	73	0.0	95.4
30.00	0.8	99.1	10.09	605.0	504.0	69	0.5	95.9
35.00	0.6	99.7	11.77	706.0	588.0	66	0.4	96.3
40.00	0.1	99.8	13.45	807.0	673.0	64	0.1	96.4
45.00	0.2	100.0	15.13	908.0	757.0	63	0.1	96.5
Estimated Net Annual Sediment (TSS) Load Reduction =								96 %

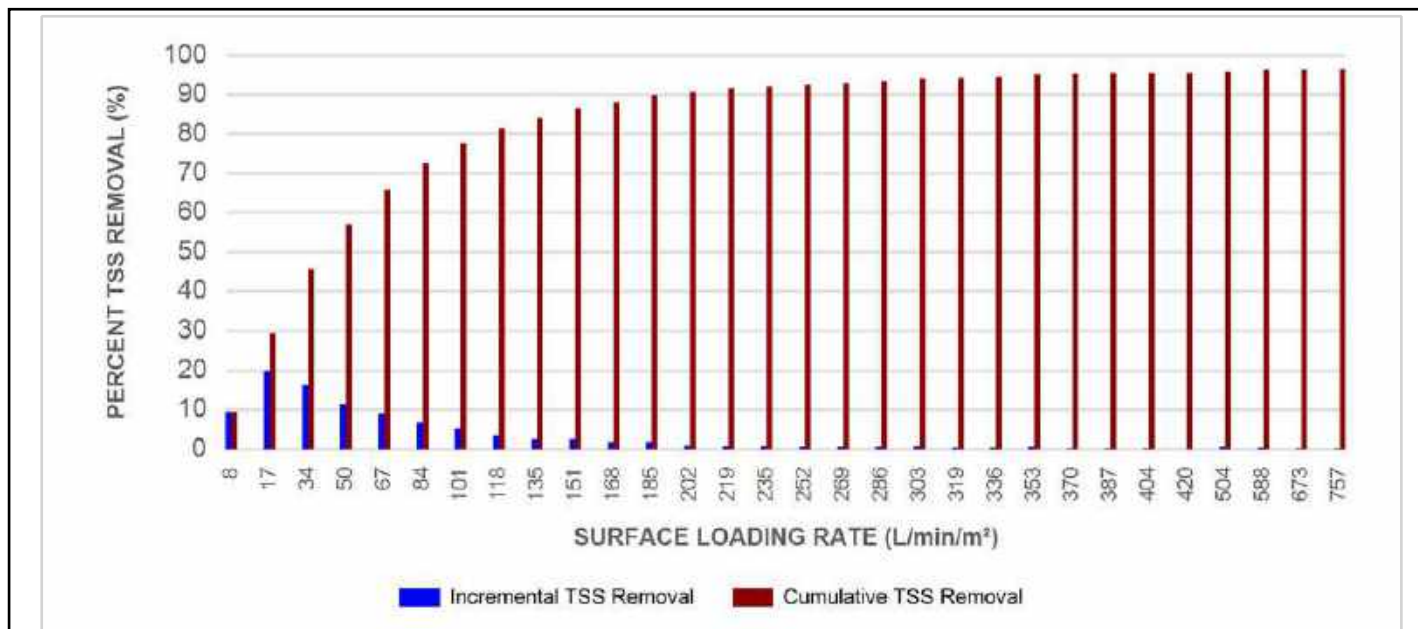
Climate Station ID: 6085700 Years of Rainfall Data: 40

Stormceptor® EF Sizing Report

RAINFALL DATA FROM NORTH BAY AP RAINFALL STATION



INCREMENTAL AND CUMULATIVE TSS REMOVAL FOR THE RECOMMENDED STORMCEPTOR® MODEL



Stormceptor® EF Sizing Report

Maximum Pipe Diameter / Peak Conveyance

Stormceptor EF / EFO	Model Diameter		Min Angle Inlet / Outlet Pipes	Max Inlet Pipe Diameter		Max Outlet Pipe Diameter		Peak Conveyance Flow Rate	
	(m)	(ft)		(mm)	(in)	(mm)	(in)	(L/s)	(cfs)
EF4 / EFO4	1.2	4	90	609	24	609	24	425	15
EF6 / EFO6	1.8	6	90	914	36	914	36	990	35
EF8 / EFO8	2.4	8	90	1219	48	1219	48	1700	60
EF10 / EFO10	3.0	10	90	1828	72	1828	72	2830	100
EF12 / EFO12	3.6	12	90	1828	72	1828	72	2830	100

SCOUR PREVENTION AND ONLINE CONFIGURATION

► **Stormceptor® EF and EFO** feature an internal bypass and superior scour prevention technology that have been demonstrated in third-party testing according to the scour testing provisions of the Canadian ETV **Procedure for Laboratory Testing of Oil-Grit Separators**, and the exceptional scour test performance has been third-party verified in accordance with the ISO 14034 ETV protocol. As a result, Stormceptor EF and EFO are approved for online installation, eliminating the need for costly additional bypass structures, piping, and installation expense.

DESIGN FLEXIBILITY

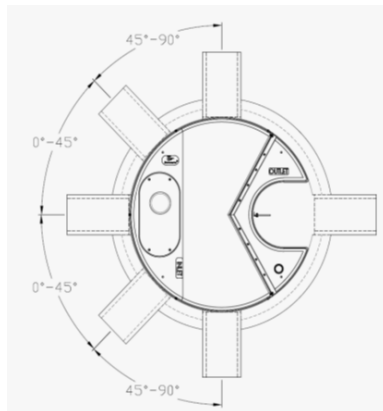
► **Stormceptor® EF and EFO** offers design flexibility in one simplified platform, accepting stormwater flow from a single inlet pipe or multiple inlet pipes, and/or surface runoff through an inlet grate. The device can also serve as a junction structure, accommodate a 90-degree inlet-to-outlet bend angle, and can be modified to ensure performance in submerged conditions.

OIL CAPTURE AND RETENTION

► While Stormceptor® EF will capture and retain oil from dry weather spills and low intensity runoff, **Stormceptor® EFO** has demonstrated superior oil capture and greater than 99% oil retention in third-party testing according to the light liquid re-entrainment testing provisions of the Canadian ETV **Procedure for Laboratory Testing of Oil-Grit Separators**. Stormceptor EFO is recommended for sites where oil capture and retention is a requirement.



Stormceptor® EF Sizing Report



INLET-TO-OUTLET DROP

Elevation differential between inlet and outlet pipe inverts is dictated by the angle at which the inlet pipe(s) enters the unit.

0° - 45° : The inlet pipe is 1-inch (25mm) higher than the outlet pipe.

45° - 90° : The inlet pipe is 2-inches (50mm) higher than the outlet pipe.

HEAD LOSS

The head loss through Stormceptor EF is similar to that of a 60-degree bend structure. The applicable K value for calculating minor losses through the unit is 1.1.

For submerged conditions the applicable K value is 3.0.

Pollutant Capacity

Stormceptor EF / EFO	Model Diameter		Depth (Outlet Pipe Invert to Sump Floor)		Oil Volume		Recommended Sediment Maintenance Depth *		Maximum Sediment Volume *		Maximum Sediment Mass **	
	(m)	(ft)	(m)	(ft)	(L)	(Gal)	(mm)	(in)	(L)	(ft³)	(kg)	(lb)
EF4 / EFO4	1.2	4	1.52	5.0	265	70	203	8	1190	42	1904	5250
EF6 / EFO6	1.8	6	1.93	6.3	610	160	305	12	3470	123	5552	15375
EF8 / EFO8	2.4	8	2.59	8.5	1070	280	610	24	8780	310	14048	38750
EF10 / EFO10	3.0	10	3.25	10.7	1670	440	610	24	17790	628	28464	78500
EF12 / EFO12	3.6	12	3.89	12.8	2475	655	610	24	31220	1103	49952	137875

*Increased sump depth may be added to increase sediment storage capacity

** Average density of wet packed sediment in sump = 1.6 kg/L (100 lb/ft³)

Feature	Benefit	Feature Appeals To
Patent-pending enhanced flow treatment and scour prevention technology	Superior, verified third-party performance	Regulator, Specifying & Design Engineer
Third-party verified light liquid capture and retention for EFO version	Proven performance for fuel/oil hotspot locations	Regulator, Specifying & Design Engineer, Site Owner
Functions as bend, junction or inlet structure	Design flexibility	Specifying & Design Engineer
Minimal drop between inlet and outlet	Site installation ease	Contractor
Large diameter outlet riser for inspection and maintenance	Easy maintenance access from grade	Maintenance Contractor & Site Owner

STANDARD STORMCEPTOR EF/EFO DRAWINGS

For standard details, please visit <http://www.imbriumsystems.com/stormwater-treatment-solutions/stormceptor-ef>

STANDARD STORMCEPTOR EF/EFO SPECIFICATION

For specifications, please visit <http://www.imbriumsystems.com/stormwater-treatment-solutions/stormceptor-ef>

STANDARD PERFORMANCE SPECIFICATION FOR “OIL GRIT SEPARATOR” (OGS) STORMWATER QUALITY TREATMENT DEVICE

PART 1 – GENERAL

1.1 WORK INCLUDED

This section specifies requirements for selecting, sizing, and designing an underground Oil Grit Separator (OGS) device for stormwater quality treatment, with third-party testing results and a Statement of Verification in accordance with ISO 14034 Environmental Management – Environmental Technology Verification (ETV).

1.2 REFERENCE STANDARDS & PROCEDURES

ISO 14034:2016 Environmental management – Environmental technology verification (ETV)

Canadian Environmental Technology Verification (ETV) Program's **Procedure for Laboratory Testing of Oil-Grit Separators**

1.3 SUBMITTALS

1.3.1 All submittals, including sizing reports & shop drawings, shall be submitted upon request with each order to the contractor then forwarded to the Engineer of Record for review and acceptance. Shop drawings shall detail all OGS components, elevations, and sequence of construction.

1.3.2 Alternative devices shall have features identical to or greater than the specified device, including: treatment chamber diameter, treatment chamber wet volume, sediment storage volume, and oil storage volume.

1.3.3 Unless directed otherwise by the Engineer of Record, OGS stormwater quality treatment product substitutions or alternatives submitted within ten days prior to project bid shall not be accepted. All alternatives or substitutions submitted shall be signed and sealed by a local registered Professional Engineer, based on the exact same criteria detailed in Section 3, in entirety, subject to review and approval by the Engineer of Record.

PART 2 – PRODUCTS

2.1 OGS POLLUTANT STORAGE

The OGS device shall include a sump for sediment storage, and a protected volume for the capture and storage of petroleum hydrocarbons and buoyant gross pollutants. The minimum sediment & petroleum hydrocarbon storage capacity shall be as follows:

2.1.1	4 ft (1219 mm) Diameter OGS Units:	1.19 m ³ sediment / 265 L oil
	6 ft (1829 mm) Diameter OGS Units:	3.48 m ³ sediment / 609 L oil
	8 ft (2438 mm) Diameter OGS Units:	8.78 m ³ sediment / 1,071 L oil
	10 ft (3048 mm) Diameter OGS Units:	17.78 m ³ sediment / 1,673 L oil
	12 ft (3657 mm) Diameter OGS Units:	31.23 m ³ sediment / 2,476 L oil

PART 3 – PERFORMANCE & DESIGN

3.1 GENERAL

The OGS stormwater quality treatment device shall be verified in accordance with ISO 14034:2016 Environmental management – Environmental technology verification (ETV). The OGS stormwater quality treatment device shall

Stormceptor® EF Sizing Report

remove oil, sediment and gross pollutants from stormwater runoff during frequent wet weather events, and retain these pollutants during less frequent high flow wet weather events below the insert within the OGS for later removal during maintenance. The Manufacturer shall have at least ten (10) years of local experience, history and success in engineering design, manufacturing and production and supply of OGS stormwater quality treatment device systems, acceptable to the Engineer of Record.

3.2 SIZING METHODOLOGY

The OGS device shall be engineered, designed and sized to provide stormwater quality treatment based on treating a minimum of 90 percent of the average annual runoff volume and a minimum removal of an annual average 60% of the sediment (TSS) load based on the Particle Size Distribution (PSD) specified in the sizing report for the specified device. Sizing of the OGS shall be determined by use of a minimum ten (10) years of local historical rainfall data provided by Environment Canada. Sizing shall also be determined by use of the sediment removal performance data derived from the ISO 14034 ETV third-party verified laboratory testing data from testing conducted in accordance with the Canadian ETV protocol Procedure for Laboratory Testing of Oil-Grit Separators, as follows:

3.2.1 Sediment removal efficiency for a given surface loading rate and its associated flow rate shall be based on sediment removal efficiency demonstrated at the seven (7) tested surface loading rates specified in the protocol, ranging 40 L/min/m² to 1400 L/min/m², and as stated in the ISO 14034 ETV Verification Statement for the OGS device.

3.2.2 Sediment removal efficiency for surface loading rates between 40 L/min/m² and 1400 L/min/m² shall be based on linear interpolation of data between consecutive tested surface loading rates.

3.2.3 Sediment removal efficiency for surface loading rates less than the lowest tested surface loading rate of 40 L/min/m² shall be assumed to be identical to the sediment removal efficiency at 40 L/min/m². No extrapolation shall be allowed that results in a sediment removal efficiency that is greater than that demonstrated at 40 L/min/m².

3.2.4 Sediment removal efficiency for surface loading rates greater than the highest tested surface loading rate of 1400 L/min/m² shall assume zero sediment removal for the portion of flow that exceeds 1400 L/min/m², and shall be calculated using a simple proportioning formula, with 1400 L/min/m² in the numerator and the higher surface loading rate in the denominator, and multiplying the resulting fraction times the sediment removal efficiency at 1400 L/min/m².

The OGS device shall also have sufficient annual sediment storage capacity as specified and calculated in Section 2.1.

3.3 CANADIAN ETV or ISO 14034 ETV VERIFICATION OF SCOUR TESTING

The OGS device shall have Canadian ETV or ISO 14034 ETV Verification of third-party scour testing conducted in accordance with the Canadian ETV Program's **Procedure for Laboratory Testing of Oil-Grit Separators**.

3.3.1 To be acceptable for on-line installation, the OGS device must demonstrate an average scour test effluent concentration less than 10 mg/L at each surface loading rate tested, up to and including 2600 L/min/m².

3.4 LIGHT LIQUID RE-ENTRAINMENT SIMULATION TESTING

The OGS device shall have Canadian ETV or ISO 14034 ETV Verification of completed third-party Light Liquid Re-entrainment Simulation Testing in accordance with the Canadian ETV **Program's Procedure for Laboratory Testing of Oil-Grit Separators**, with results reported within the Canadian ETV or ISO 14034 ETV verification. This re-entrainment testing is conducted with the device pre-loaded with low density polyethylene (LDPE) plastic beads as a surrogate for light liquids such as oil and fuel. Testing is conducted on the same OGS unit tested for sediment removal to

Stormceptor® EF Sizing Report

assess whether light liquids captured after a spill are effectively retained at high flow rates.

3.4.1 For an OGS device to be an acceptable stormwater treatment device on a site where vehicular traffic occurs and the potential for an oil or fuel spill exists, the OGS device must have reported verified performance results of greater than 99% cumulative retention of LDPE plastic beads for the five specified surface loading rates (ranging 200 L/min/m² to 2600 L/min/m²) in accordance with the Light Liquid Re-entrainment Simulation Testing within the Canadian ETV Program's **Procedure for Laboratory Testing of Oil-Grit Separators**. However, an OGS device shall not be allowed if the Light Liquid Re-entrainment Simulation Testing was performed with screening components within the OGS device that are effective at retaining the LDPE plastic beads, but would not be expected to retain light liquids such as oil and fuel.

Stormceptor® EF Sizing Report

Imbrium® Systems

ESTIMATED NET ANNUAL SEDIMENT (TSS) LOAD REDUCTION

10/25/2023

Province:	Ontario	Project Name:	JK Development
City:	New Liskeard	Project Number:	232602
Nearest Rainfall Station:	NORTH BAY AP	Designer Name:	Joe Lefaive
Climate Station Id:	6085700	Designer Company:	Antech Design and Engineering Group
Years of Rainfall Data:	40	Designer Email:	joe.lefaive@antechdesign.com
		Designer Phone:	226-934-4392
Site Name:	6-Plex	EOR Name:	
		EOR Company:	
Drainage Area (ha):	0.18	EOR Email:	
% Imperviousness:	62.00	EOR Phone:	
Runoff Coefficient 'c': 0.67			

Particle Size Distribution:	CA ETV
Target TSS Removal (%):	60.0

Required Water Quality Runoff Volume Capture (%):	90.00
Estimated Water Quality Flow Rate (L/s):	17.95
Oil / Fuel Spill Risk Site?	Yes
Upstream Flow Control?	No
Peak Conveyance (maximum) Flow Rate (L/s):	
Influent TSS Concentration (mg/L):	200
Estimated Average Annual Sediment Load (kg/yr):	106
Estimated Average Annual Sediment Volume (L/yr):	87

Net Annual Sediment (TSS) Load Reduction Sizing Summary

Stormceptor Model	TSS Removal Provided (%)
EFO4	66
EFO6	69
EFO8	70
EFO10	70
EFO12	70

Recommended Stormceptor EFO Model:	EFO4
Estimated Net Annual Sediment (TSS) Load Reduction (%):	66
Water Quality Runoff Volume Capture (%):	> 90



Stormceptor® EF Sizing Report

THIRD-PARTY TESTING AND VERIFICATION

► **Stormceptor® EF and Stormceptor® EFO** are the latest evolutions in the Stormceptor® oil-grit separator (OGS) technology series, and are designed to remove a wide variety of pollutants from stormwater and snowmelt runoff. These technologies have been third-party tested in accordance with the Canadian ETV **Procedure for Laboratory Testing of Oil-Grit Separators** and performance has been third-party verified in accordance with the **ISO 14034 Environmental Technology Verification (ETV)** protocol.

PERFORMANCE

► **Stormceptor® EF and EFO** remove stormwater pollutants through gravity separation and floatation, and feature a patent-pending design that generates positive removal of total suspended solids (TSS) throughout each storm event, including high-intensity storms. Captured pollutants include sediment, free oils, and sediment-bound pollutants such as nutrients, heavy metals, and petroleum hydrocarbons. Stormceptor is sized to remove a high level of TSS from the frequent rainfall events that contribute the vast majority of annual runoff volume and pollutant load. The technology incorporates an internal bypass to convey excessive stormwater flows from high-intensity storms through the device without resuspension and washout (scour) of previously captured pollutants. Proper routine maintenance ensures high pollutant removal performance and protection of downstream waterways.

PARTICLE SIZE DISTRIBUTION (PSD)

► The **Canadian ETV PSD** shown in the table below was used, or in part, for this sizing. This is the identical PSD that is referenced in the Canadian ETV **Procedure for Laboratory Testing of Oil-Grit Separators** for both sediment removal testing and scour testing. The Canadian ETV PSD contains a wide range of particle sizes in the sand and silt fractions, and is considered reasonably representative of the particle size fractions found in typical urban stormwater runoff.

Particle Size (µm)	Percent Less Than	Particle Size Fraction (µm)	Percent
1000	100	500-1000	5
500	95	250-500	5
250	90	150-250	15
150	75	100-150	15
100	60	75-100	10
75	50	50-75	5
50	45	20-50	10
20	35	8-20	15
8	20	5-8	10
5	10	2-5	5
2	5	<2	5

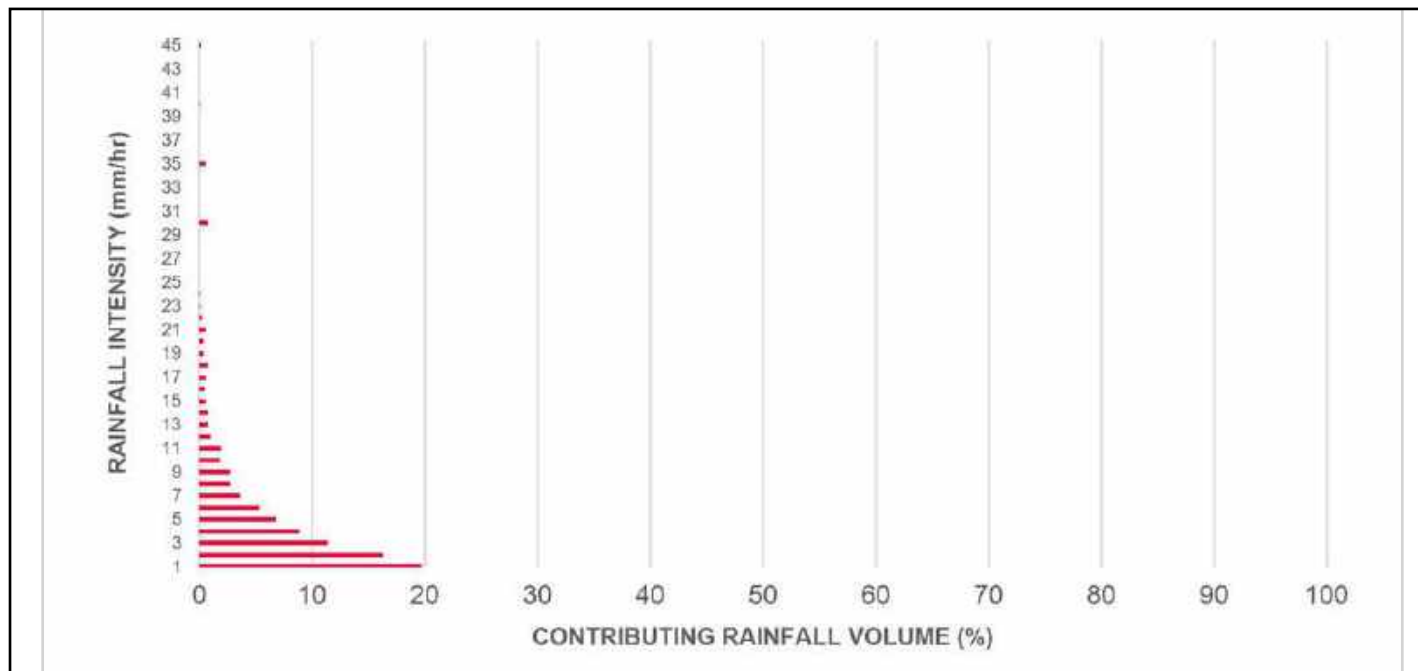
Stormceptor® EF Sizing Report

Rainfall Intensity (mm / hr)	Percent Rainfall Volume (%)	Cumulative Rainfall Volume (%)	Flow Rate (L/s)	Flow Rate (L/min)	Surface Loading Rate (L/min/m²)	Removal Efficiency (%)	Incremental Removal (%)	Cumulative Removal (%)
0.50	9.4	9.4	0.17	10.0	8.0	70	6.7	6.7
1.00	19.7	29.2	0.34	20.0	17.0	70	13.9	20.6
2.00	16.3	45.5	0.67	40.0	34.0	70	11.5	32.0
3.00	11.4	56.9	1.01	61.0	50.0	69	7.9	39.9
4.00	8.9	65.8	1.35	81.0	67.0	67	6.0	45.9
5.00	6.8	72.6	1.68	101.0	84.0	64	4.4	50.2
6.00	5.4	78.1	2.02	121.0	101.0	62	3.4	53.6
7.00	3.7	81.8	2.35	141.0	118.0	62	2.3	55.9
8.00	2.8	84.6	2.69	161.0	135.0	60	1.7	57.6
9.00	2.8	87.4	3.03	182.0	151.0	58	1.6	59.2
10.00	1.9	89.4	3.36	202.0	168.0	57	1.1	60.4
11.00	2.0	91.4	3.70	222.0	185.0	56	1.1	61.5
12.00	1.0	92.4	4.04	242.0	202.0	54	0.6	62.0
13.00	0.8	93.2	4.37	262.0	219.0	54	0.4	62.5
14.00	0.8	94.1	4.71	282.0	235.0	53	0.4	62.9
15.00	0.6	94.6	5.04	303.0	252.0	53	0.3	63.2
16.00	0.5	95.1	5.38	323.0	269.0	52	0.3	63.5
17.00	0.6	95.7	5.72	343.0	286.0	52	0.3	63.8
18.00	0.8	96.5	6.05	363.0	303.0	51	0.4	64.2
19.00	0.4	97.0	6.39	383.0	319.0	50	0.2	64.4
20.00	0.4	97.3	6.73	404.0	336.0	50	0.2	64.6
21.00	0.6	97.9	7.06	424.0	353.0	50	0.3	64.9
22.00	0.3	98.2	7.40	444.0	370.0	49	0.1	65.0
23.00	0.1	98.3	7.73	464.0	387.0	49	0.0	65.0
24.00	0.1	98.3	8.07	484.0	404.0	48	0.0	65.1
25.00	0.0	98.3	8.41	504.0	420.0	47	0.0	65.1
30.00	0.8	99.1	10.09	605.0	504.0	45	0.3	65.4
35.00	0.6	99.7	11.77	706.0	588.0	43	0.2	65.7
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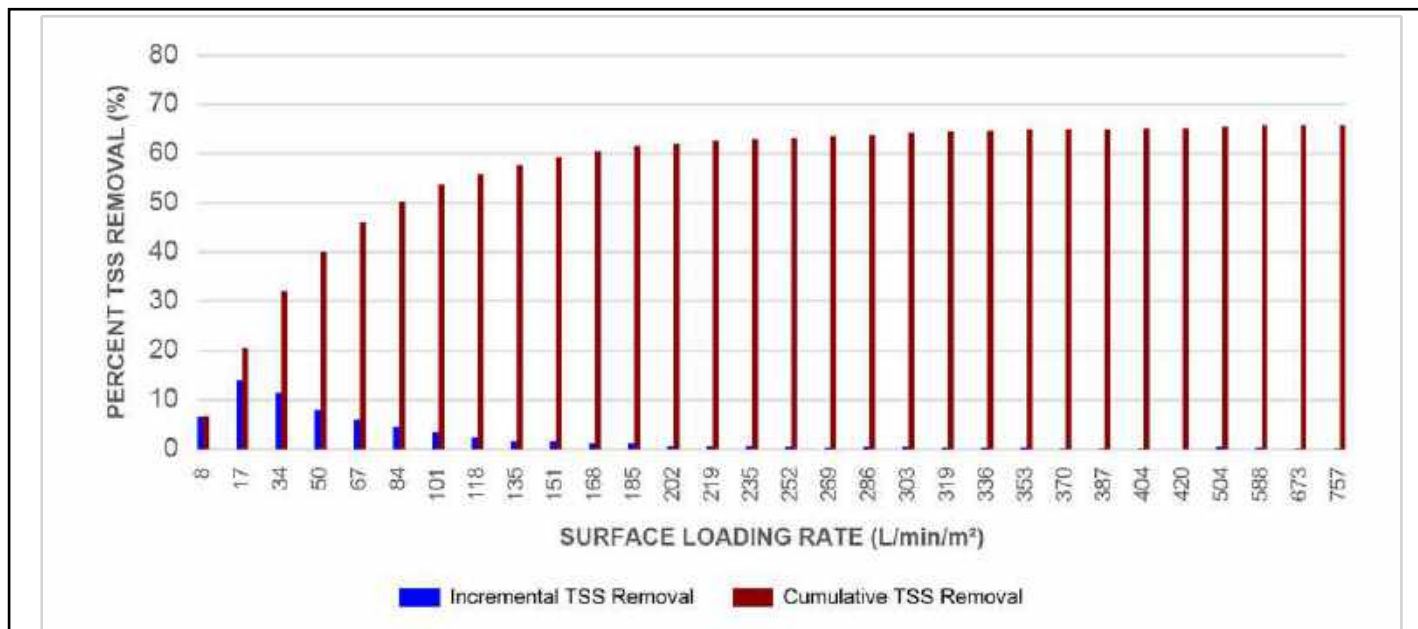
Climate Station ID: 6085700 Years of Rainfall Data: 40

Stormceptor® EF Sizing Report

RAINFALL DATA FROM NORTH BAY AP RAINFALL STATION



INCREMENTAL AND CUMULATIVE TSS REMOVAL FOR THE RECOMMENDED STORMCEPTOR® MODEL



Stormceptor® EF Sizing Report

Maximum Pipe Diameter / Peak Conveyance

Stormceptor EF / EFO	Model Diameter		Min Angle Inlet / Outlet Pipes	Max Inlet Pipe Diameter		Max Outlet Pipe Diameter		Peak Conveyance Flow Rate	
	(m)	(ft)		(mm)	(in)	(mm)	(in)	(L/s)	(cfs)
EF4 / EFO4	1.2	4	90	609	24	609	24	425	15
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EF10 / EFO10	3.0	10	90	1828	72	1828	72	2830	100
EF12 / EFO12	3.6	12	90	1828	72	1828	72	2830	100

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DESIGN FLEXIBILITY

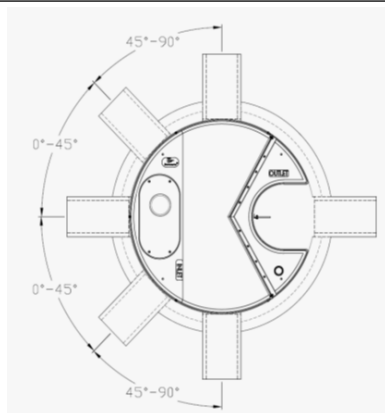
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OIL CAPTURE AND RETENTION

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Stormceptor® EF Sizing Report



INLET-TO-OUTLET DROP

Elevation differential between inlet and outlet pipe inverts is dictated by the angle at which the inlet pipe(s) enters the unit.

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HEAD LOSS

The head loss through Stormceptor EF is similar to that of a 60-degree bend structure. The applicable K value for calculating minor losses through the unit is 1.1.

For submerged conditions the applicable K value is 3.0.

Pollutant Capacity

Stormceptor EF / EFO	Model Diameter		Depth (Outlet Pipe Invert to Sump Floor)		Oil Volume		Recommended Sediment Maintenance Depth *		Maximum Sediment Volume *		Maximum Sediment Mass **	
	(m)	(ft)	(m)	(ft)	(L)	(Gal)	(mm)	(in)	(L)	(ft³)	(kg)	(lb)
EF4 / EFO4	1.2	4	1.52	5.0	265	70	203	8	1190	42	1904	5250
EF6 / EFO6	1.8	6	1.93	6.3	610	160	305	12	3470	123	5552	15375
EF8 / EFO8	2.4	8	2.59	8.5	1070	280	610	24	8780	310	14048	38750
EF10 / EFO10	3.0	10	3.25	10.7	1670	440	610	24	17790	628	28464	78500
EF12 / EFO12	3.6	12	3.89	12.8	2475	655	610	24	31220	1103	49952	137875

*Increased sump depth may be added to increase sediment storage capacity

** Average density of wet packed sediment in sump = 1.6 kg/L (100 lb/ft³)

Feature	Benefit	Feature Appeals To
Patent-pending enhanced flow treatment and scour prevention technology	Superior, verified third-party performance	Regulator, Specifying & Design Engineer
Third-party verified light liquid capture and retention for EFO version	Proven performance for fuel/oil hotspot locations	Regulator, Specifying & Design Engineer, Site Owner
Functions as bend, junction or inlet structure	Design flexibility	Specifying & Design Engineer
Minimal drop between inlet and outlet	Site installation ease	Contractor
Large diameter outlet riser for inspection and maintenance	Easy maintenance access from grade	Maintenance Contractor & Site Owner

STANDARD STORMCEPTOR EF/EFO DRAWINGS

For standard details, please visit <http://www.imbriumsystems.com/stormwater-treatment-solutions/stormceptor-ef>

STANDARD STORMCEPTOR EF/EFO SPECIFICATION

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Stormceptor® EF Sizing Report

Table of TSS Removal vs Surface Loading Rate Based on Third-Party Test Results
Stormceptor® EFO

SLR (L/min/m ²)	TSS % REMOVAL	SLR (L/min/m ²)	TSS % REMOVAL	SLR (L/min/m ²)	TSS % REMOVAL	SLR (L/min/m ²)	TSS % REMOVAL
1	70	660	42	1320	35	1980	24
30	70	690	42	1350	35	2010	24
60	67	720	41	1380	34	2040	23
90	63	750	41	1410	34	2070	23
120	61	780	41	1440	33	2100	23
150	58	810	41	1470	32	2130	22
180	56	840	41	1500	32	2160	22
210	54	870	41	1530	31	2190	22
240	53	900	41	1560	31	2220	21
270	52	930	40	1590	30	2250	21
300	51	960	40	1620	29	2280	21
330	50	990	40	1650	29	2310	21
360	49	1020	40	1680	28	2340	20
390	48	1050	39	1710	28	2370	20
420	47	1080	39	1740	27	2400	20
450	47	1110	38	1770	27	2430	20
480	46	1140	38	1800	26	2460	19
510	45	1170	37	1830	26	2490	19
540	44	1200	37	1860	26	2520	19
570	43	1230	37	1890	25	2550	19
600	42	1260	36	1920	25	2580	18
630	42	1290	36	1950	24	2600	26

STANDARD PERFORMANCE SPECIFICATION FOR “OIL GRIT SEPARATOR” (OGS) STORMWATER QUALITY TREATMENT DEVICE

PART 1 – GENERAL

1.1 WORK INCLUDED

This section specifies requirements for selecting, sizing, and designing an underground Oil Grit Separator (OGS) device for stormwater quality treatment, with third-party testing results and a Statement of Verification in accordance with ISO 14034 Environmental Management – Environmental Technology Verification (ETV).

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Canadian Environmental Technology Verification (ETV) Program's **Procedure for Laboratory Testing of Oil-Grit Separators**

1.3 SUBMITTALS

1.3.1 All submittals, including sizing reports & shop drawings, shall be submitted upon request with each order to the contractor then forwarded to the Engineer of Record for review and acceptance. Shop drawings shall detail all OGS components, elevations, and sequence of construction.

1.3.2 Alternative devices shall have features identical to or greater than the specified device, including: treatment chamber diameter, treatment chamber wet volume, sediment storage volume, and oil storage volume.

1.3.3 Unless directed otherwise by the Engineer of Record, OGS stormwater quality treatment product substitutions or alternatives submitted within ten days prior to project bid shall not be accepted. All alternatives or substitutions submitted shall be signed and sealed by a local registered Professional Engineer, based on the exact same criteria detailed in Section 3, in entirety, subject to review and approval by the Engineer of Record.

PART 2 – PRODUCTS

2.1 OGS POLLUTANT STORAGE

The OGS device shall include a sump for sediment storage, and a protected volume for the capture and storage of petroleum hydrocarbons and buoyant gross pollutants. The minimum sediment & petroleum hydrocarbon storage capacity shall be as follows:

2.1.1	4 ft (1219 mm) Diameter OGS Units:	1.19 m ³ sediment / 265 L oil
	6 ft (1829 mm) Diameter OGS Units:	3.48 m ³ sediment / 609 L oil
	8 ft (2438 mm) Diameter OGS Units:	8.78 m ³ sediment / 1,071 L oil
	10 ft (3048 mm) Diameter OGS Units:	17.78 m ³ sediment / 1,673 L oil
	12 ft (3657 mm) Diameter OGS Units:	31.23 m ³ sediment / 2,476 L oil

PART 3 – PERFORMANCE & DESIGN

3.1 GENERAL

The OGS stormwater quality treatment device shall be verified in accordance with ISO 14034:2016 Environmental management – Environmental technology verification (ETV). The OGS stormwater quality treatment device shall

Stormceptor® EF Sizing Report

remove oil, sediment and gross pollutants from stormwater runoff during frequent wet weather events, and retain these pollutants during less frequent high flow wet weather events below the insert within the OGS for later removal during maintenance. The Manufacturer shall have at least ten (10) years of local experience, history and success in engineering design, manufacturing and production and supply of OGS stormwater quality treatment device systems, acceptable to the Engineer of Record.

3.2 SIZING METHODOLOGY

The OGS device shall be engineered, designed and sized to provide stormwater quality treatment based on treating a minimum of 90 percent of the average annual runoff volume and a minimum removal of an annual average 60% of the sediment (TSS) load based on the Particle Size Distribution (PSD) specified in the sizing report for the specified device. Sizing of the OGS shall be determined by use of a minimum ten (10) years of local historical rainfall data provided by Environment Canada. Sizing shall also be determined by use of the sediment removal performance data derived from the ISO 14034 ETV third-party verified laboratory testing data from testing conducted in accordance with the Canadian ETV protocol Procedure for Laboratory Testing of Oil-Grit Separators, as follows:

3.2.1 Sediment removal efficiency for a given surface loading rate and its associated flow rate shall be based on sediment removal efficiency demonstrated at the seven (7) tested surface loading rates specified in the protocol, ranging 40 L/min/m² to 1400 L/min/m², and as stated in the ISO 14034 ETV Verification Statement for the OGS device.

3.2.2 Sediment removal efficiency for surface loading rates between 40 L/min/m² and 1400 L/min/m² shall be based on linear interpolation of data between consecutive tested surface loading rates.

3.2.3 Sediment removal efficiency for surface loading rates less than the lowest tested surface loading rate of 40 L/min/m² shall be assumed to be identical to the sediment removal efficiency at 40 L/min/m². No extrapolation shall be allowed that results in a sediment removal efficiency that is greater than that demonstrated at 40 L/min/m².

3.2.4 Sediment removal efficiency for surface loading rates greater than the highest tested surface loading rate of 1400 L/min/m² shall assume zero sediment removal for the portion of flow that exceeds 1400 L/min/m², and shall be calculated using a simple proportioning formula, with 1400 L/min/m² in the numerator and the higher surface loading rate in the denominator, and multiplying the resulting fraction times the sediment removal efficiency at 1400 L/min/m².

The OGS device shall also have sufficient annual sediment storage capacity as specified and calculated in Section 2.1.

3.3 CANADIAN ETV or ISO 14034 ETV VERIFICATION OF SCOUR TESTING

The OGS device shall have Canadian ETV or ISO 14034 ETV Verification of third-party scour testing conducted in accordance with the Canadian ETV Program's **Procedure for Laboratory Testing of Oil-Grit Separators**.

3.3.1 To be acceptable for on-line installation, the OGS device must demonstrate an average scour test effluent concentration less than 10 mg/L at each surface loading rate tested, up to and including 2600 L/min/m².

3.4 LIGHT LIQUID RE-ENTRAINMENT SIMULATION TESTING

The OGS device shall have Canadian ETV or ISO 14034 ETV Verification of completed third-party Light Liquid Re-entrainment Simulation Testing in accordance with the Canadian ETV **Program's Procedure for Laboratory Testing of Oil-Grit Separators**, with results reported within the Canadian ETV or ISO 14034 ETV verification. This re-entrainment testing is conducted with the device pre-loaded with low density polyethylene (LDPE) plastic beads as a surrogate for light liquids such as oil and fuel. Testing is conducted on the same OGS unit tested for sediment removal to

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assess whether light liquids captured after a spill are effectively retained at high flow rates.

3.4.1 For an OGS device to be an acceptable stormwater treatment device on a site where vehicular traffic occurs and the potential for an oil or fuel spill exists, the OGS device must have reported verified performance results of greater than 99% cumulative retention of LDPE plastic beads for the five specified surface loading rates (ranging 200 L/min/m² to 2600 L/min/m²) in accordance with the Light Liquid Re-entrainment Simulation Testing within the Canadian ETV Program's **Procedure for Laboratory Testing of Oil-Grit Separators**. However, an OGS device shall not be allowed if the Light Liquid Re-entrainment Simulation Testing was performed with screening components within the OGS device that are effective at retaining the LDPE plastic beads, but would not be expected to retain light liquids such as oil and fuel.

Stormceptor® EF Sizing Report

Imbrium® Systems

ESTIMATED NET ANNUAL SEDIMENT (TSS) LOAD REDUCTION

10/25/2023

Province:	Ontario	Project Name:	JK Development
City:	New Liskeard	Project Number:	232602
Nearest Rainfall Station:	NORTH BAY AP	Designer Name:	Joe Lefaive
Climate Station Id:	6085700	Designer Company:	Antech Design and Engineering Group
Years of Rainfall Data:	40	Designer Email:	joe.lefaive@antechdesign.com
		Designer Phone:	226-934-4392
Site Name:	Apartment	EOR Name:	
		EOR Company:	
Drainage Area (ha):	0.73	EOR Email:	
% Imperviousness:	74.00	EOR Phone:	

Runoff Coefficient 'c': 0.74

Particle Size Distribution:	CA ETV
Target TSS Removal (%):	60.0

Required Water Quality Runoff Volume Capture (%):	90.00
Estimated Water Quality Flow Rate (L/s):	17.95
Oil / Fuel Spill Risk Site?	Yes
Upstream Flow Control?	No
Peak Conveyance (maximum) Flow Rate (L/s):	
Influent TSS Concentration (mg/L):	100
Estimated Average Annual Sediment Load (kg/yr):	238
Estimated Average Annual Sediment Volume (L/yr):	194

Net Annual Sediment (TSS) Load Reduction Sizing Summary

Stormceptor Model	TSS Removal Provided (%)
EFO4	54
EFO6	61
EFO8	65
EFO10	67
EFO12	69

Recommended Stormceptor EFO Model: **EFO6**
 Estimated Net Annual Sediment (TSS) Load Reduction (%): **61**
 Water Quality Runoff Volume Capture (%): **> 90**



Stormceptor® EF Sizing Report

THIRD-PARTY TESTING AND VERIFICATION

► **Stormceptor® EF and Stormceptor® EFO** are the latest evolutions in the Stormceptor® oil-grit separator (OGS) technology series, and are designed to remove a wide variety of pollutants from stormwater and snowmelt runoff. These technologies have been third-party tested in accordance with the Canadian ETV **Procedure for Laboratory Testing of Oil-Grit Separators** and performance has been third-party verified in accordance with the **ISO 14034 Environmental Technology Verification (ETV)** protocol.

PERFORMANCE

► **Stormceptor® EF and EFO** remove stormwater pollutants through gravity separation and floatation, and feature a patent-pending design that generates positive removal of total suspended solids (TSS) throughout each storm event, including high-intensity storms. Captured pollutants include sediment, free oils, and sediment-bound pollutants such as nutrients, heavy metals, and petroleum hydrocarbons. Stormceptor is sized to remove a high level of TSS from the frequent rainfall events that contribute the vast majority of annual runoff volume and pollutant load. The technology incorporates an internal bypass to convey excessive stormwater flows from high-intensity storms through the device without resuspension and washout (scour) of previously captured pollutants. Proper routine maintenance ensures high pollutant removal performance and protection of downstream waterways.

PARTICLE SIZE DISTRIBUTION (PSD)

► The **Canadian ETV PSD** shown in the table below was used, or in part, for this sizing. This is the identical PSD that is referenced in the Canadian ETV **Procedure for Laboratory Testing of Oil-Grit Separators** for both sediment removal testing and scour testing. The Canadian ETV PSD contains a wide range of particle sizes in the sand and silt fractions, and is considered reasonably representative of the particle size fractions found in typical urban stormwater runoff.

Particle Size (µm)	Percent Less Than	Particle Size Fraction (µm)	Percent
1000	100	500-1000	5
500	95	250-500	5
250	90	150-250	15
150	75	100-150	15
100	60	75-100	10
75	50	50-75	5
50	45	20-50	10
20	35	8-20	15
8	20	5-8	10
5	10	2-5	5
2	5	<2	5

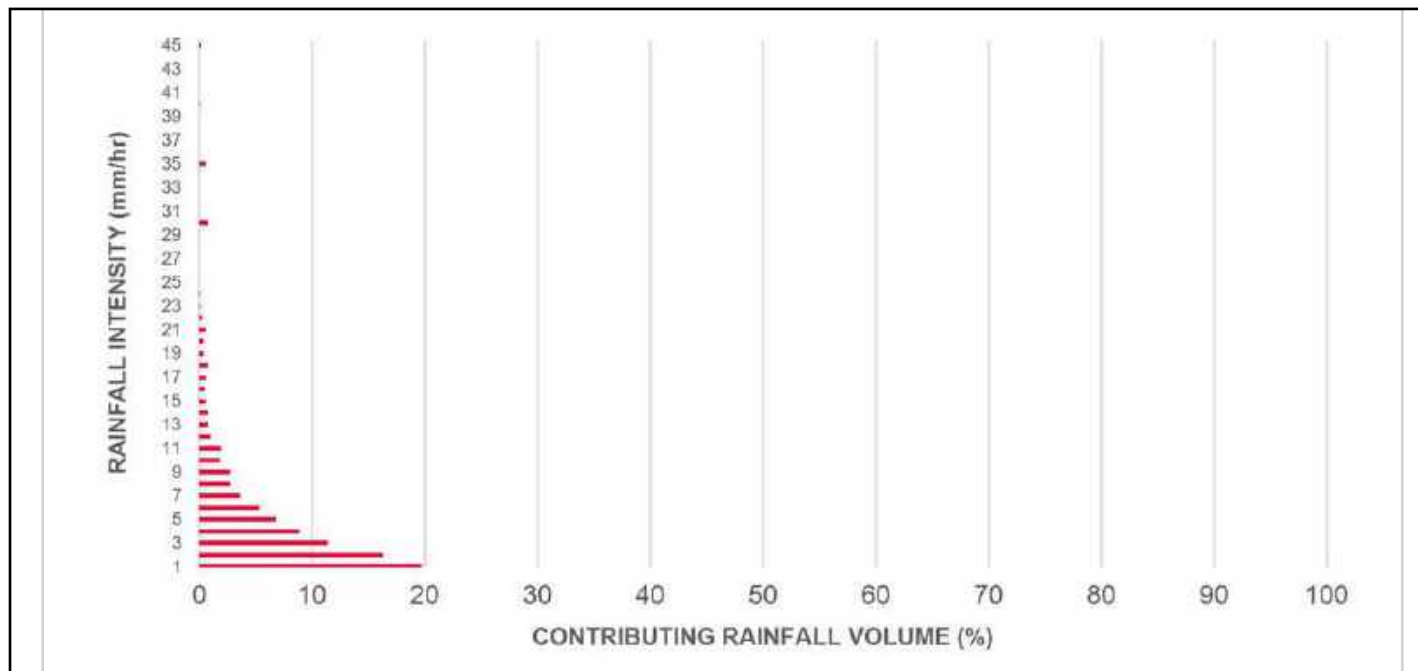
Stormceptor® EF Sizing Report

Rainfall Intensity (mm / hr)	Percent Rainfall Volume (%)	Cumulative Rainfall Volume (%)	Flow Rate (L/s)	Flow Rate (L/min)	Surface Loading Rate (L/min/m²)	Removal Efficiency (%)	Incremental Removal (%)	Cumulative Removal (%)
0.50	9.4	9.4	0.75	45.0	17.0	70	6.7	6.7
1.00	19.7	29.2	1.51	91.0	34.0	70	13.9	20.6
2.00	16.3	45.5	3.02	181.0	69.0	67	10.9	31.5
3.00	11.4	56.9	4.53	272.0	103.0	62	7.1	38.6
4.00	8.9	65.8	6.04	362.0	138.0	60	5.3	43.9
5.00	6.8	72.6	7.55	453.0	172.0	57	3.9	47.8
6.00	5.4	78.1	9.06	544.0	207.0	54	2.9	50.7
7.00	3.7	81.8	10.57	634.0	241.0	53	2.0	52.7
8.00	2.8	84.6	12.08	725.0	276.0	52	1.5	54.2
9.00	2.8	87.4	13.59	815.0	310.0	51	1.4	55.6
10.00	1.9	89.4	15.10	906.0	344.0	50	1.0	56.6
11.00	2.0	91.4	16.61	997.0	379.0	49	1.0	57.6
12.00	1.0	92.4	18.12	1087.0	413.0	48	0.5	58.0
13.00	0.8	93.2	19.63	1178.0	448.0	47	0.4	58.4
14.00	0.8	94.1	21.14	1268.0	482.0	46	0.4	58.8
15.00	0.6	94.6	22.65	1359.0	517.0	45	0.3	59.1
16.00	0.5	95.1	24.16	1449.0	551.0	44	0.2	59.3
17.00	0.6	95.7	25.67	1540.0	586.0	43	0.3	59.5
18.00	0.8	96.5	27.18	1631.0	620.0	42	0.3	59.9
19.00	0.4	97.0	28.69	1721.0	654.0	42	0.2	60.0
20.00	0.4	97.3	30.20	1812.0	689.0	42	0.2	60.2
21.00	0.6	97.9	31.71	1902.0	723.0	41	0.2	60.4
22.00	0.3	98.2	33.22	1993.0	758.0	41	0.1	60.5
23.00	0.1	98.3	34.73	2084.0	792.0	41	0.0	60.6
24.00	0.1	98.3	36.24	2174.0	827.0	41	0.0	60.6
25.00	0.0	98.3	37.75	2265.0	861.0	41	0.0	60.6
30.00	0.8	99.1	45.30	2718.0	1033.0	40	0.3	60.9
35.00	0.6	99.7	52.85	3171.0	1206.0	37	0.2	61.1
40.00	0.1	99.8	60.39	3624.0	1378.0	34	0.1	61.2
45.00	0.2	100.0	67.94	4077.0	1550.0	31	0.1	61.2
Estimated Net Annual Sediment (TSS) Load Reduction =								61 %

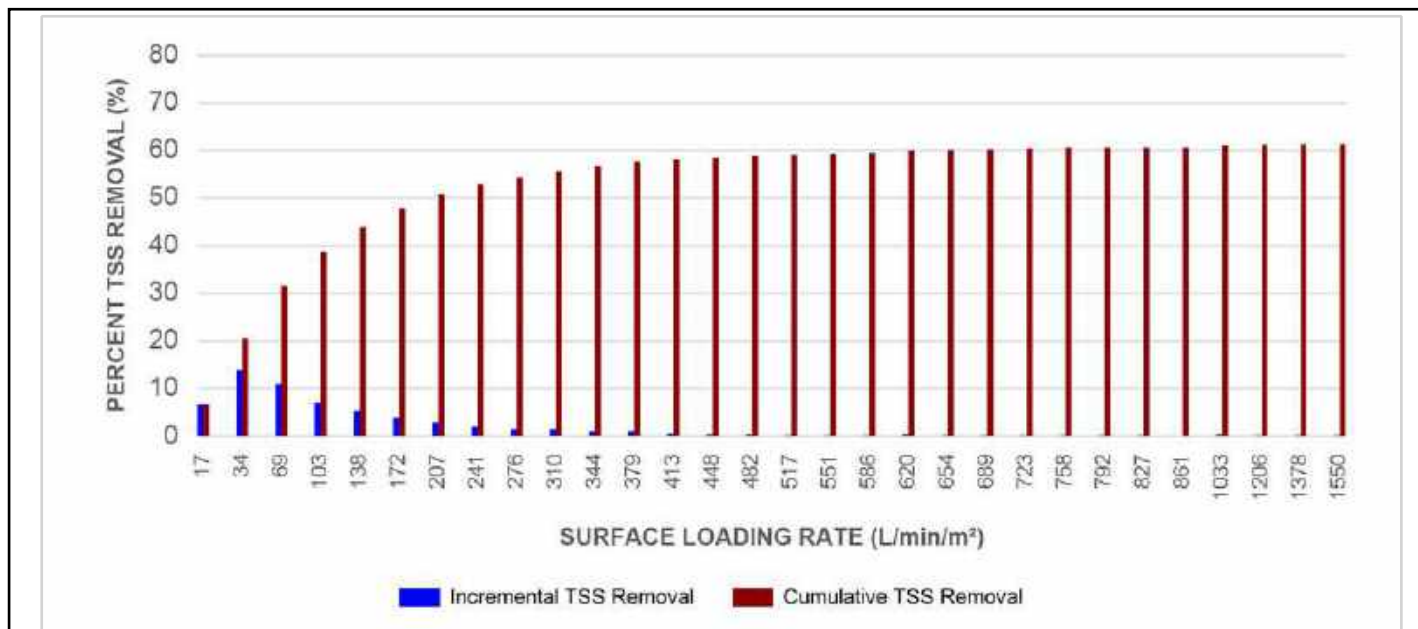
Climate Station ID: 6085700 Years of Rainfall Data: 40

Stormceptor® EF Sizing Report

RAINFALL DATA FROM NORTH BAY AP RAINFALL STATION



INCREMENTAL AND CUMULATIVE TSS REMOVAL FOR THE RECOMMENDED STORMCEPTOR® MODEL



Stormceptor® EF Sizing Report

Maximum Pipe Diameter / Peak Conveyance

Stormceptor EF / EFO	Model Diameter		Min Angle Inlet / Outlet Pipes	Max Inlet Pipe Diameter		Max Outlet Pipe Diameter		Peak Conveyance Flow Rate	
	(m)	(ft)		(mm)	(in)	(mm)	(in)	(L/s)	(cfs)
EF4 / EFO4	1.2	4	90	609	24	609	24	425	15
EF6 / EFO6	1.8	6	90	914	36	914	36	990	35
EF8 / EFO8	2.4	8	90	1219	48	1219	48	1700	60
EF10 / EFO10	3.0	10	90	1828	72	1828	72	2830	100
EF12 / EFO12	3.6	12	90	1828	72	1828	72	2830	100

SCOUR PREVENTION AND ONLINE CONFIGURATION

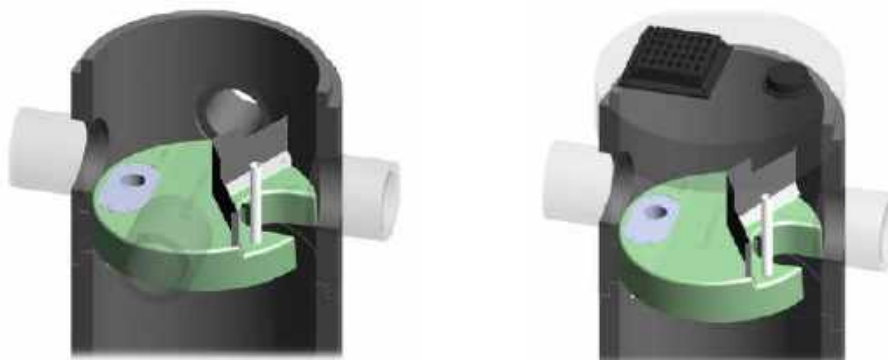
► Stormceptor® EF and EFO feature an internal bypass and superior scour prevention technology that have been demonstrated in third-party testing according to the scour testing provisions of the Canadian ETV **Procedure for Laboratory Testing of Oil-Grit Separators**, and the exceptional scour test performance has been third-party verified in accordance with the ISO 14034 ETV protocol. As a result, Stormceptor EF and EFO are approved for online installation, eliminating the need for costly additional bypass structures, piping, and installation expense.

DESIGN FLEXIBILITY

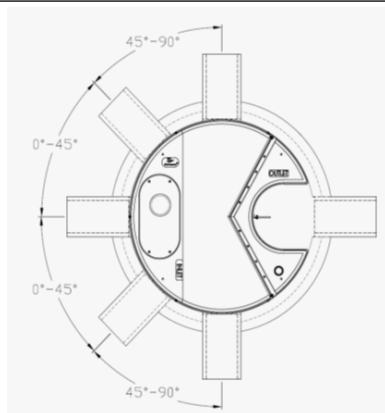
► Stormceptor® EF and EFO offers design flexibility in one simplified platform, accepting stormwater flow from a single inlet pipe or multiple inlet pipes, and/or surface runoff through an inlet grate. The device can also serve as a junction structure, accommodate a 90-degree inlet-to-outlet bend angle, and can be modified to ensure performance in submerged conditions.

OIL CAPTURE AND RETENTION

► While Stormceptor® EF will capture and retain oil from dry weather spills and low intensity runoff, Stormceptor® EFO has demonstrated superior oil capture and greater than 99% oil retention in third-party testing according to the light liquid re-entrainment testing provisions of the Canadian ETV **Procedure for Laboratory Testing of Oil-Grit Separators**. Stormceptor EFO is recommended for sites where oil capture and retention is a requirement.



Stormceptor® EF Sizing Report



INLET-TO-OUTLET DROP

Elevation differential between inlet and outlet pipe inverts is dictated by the angle at which the inlet pipe(s) enters the unit.

0° - 45° : The inlet pipe is 1-inch (25mm) higher than the outlet pipe.

45° - 90° : The inlet pipe is 2-inches (50mm) higher than the outlet pipe.

HEAD LOSS

The head loss through Stormceptor EF is similar to that of a 60-degree bend structure. The applicable K value for calculating minor losses through the unit is 1.1.

For submerged conditions the applicable K value is 3.0.

Pollutant Capacity

Stormceptor EF / EFO	Model Diameter		Depth (Outlet Pipe Invert to Sump Floor)		Oil Volume		Recommended Sediment Maintenance Depth *		Maximum Sediment Volume *		Maximum Sediment Mass **	
	(m)	(ft)	(m)	(ft)	(L)	(Gal)	(mm)	(in)	(L)	(ft³)	(kg)	(lb)
EF4 / EFO4	1.2	4	1.52	5.0	265	70	203	8	1190	42	1904	5250
EF6 / EFO6	1.8	6	1.93	6.3	610	160	305	12	3470	123	5552	15375
EF8 / EFO8	2.4	8	2.59	8.5	1070	280	610	24	8780	310	14048	38750
EF10 / EFO10	3.0	10	3.25	10.7	1670	440	610	24	17790	628	28464	78500
EF12 / EFO12	3.6	12	3.89	12.8	2475	655	610	24	31220	1103	49952	137875

*Increased sump depth may be added to increase sediment storage capacity

** Average density of wet packed sediment in sump = 1.6 kg/L (100 lb/ft³)

Feature	Benefit	Feature Appeals To
Patent-pending enhanced flow treatment and scour prevention technology	Superior, verified third-party performance	Regulator, Specifying & Design Engineer
Third-party verified light liquid capture and retention for EFO version	Proven performance for fuel/oil hotspot locations	Regulator, Specifying & Design Engineer, Site Owner
Functions as bend, junction or inlet structure	Design flexibility	Specifying & Design Engineer
Minimal drop between inlet and outlet	Site installation ease	Contractor
Large diameter outlet riser for inspection and maintenance	Easy maintenance access from grade	Maintenance Contractor & Site Owner

STANDARD STORMCEPTOR EF/EFO DRAWINGS

For standard details, please visit <http://www.imbriumsystems.com/stormwater-treatment-solutions/stormceptor-ef>

STANDARD STORMCEPTOR EF/EFO SPECIFICATION

For specifications, please visit <http://www.imbriumsystems.com/stormwater-treatment-solutions/stormceptor-ef>

Stormceptor® EF Sizing Report

Table of TSS Removal vs Surface Loading Rate Based on Third-Party Test Results
Stormceptor® EFO

SLR (L/min/m ²)	TSS % REMOVAL	SLR (L/min/m ²)	TSS % REMOVAL	SLR (L/min/m ²)	TSS % REMOVAL	SLR (L/min/m ²)	TSS % REMOVAL
1	70	660	42	1320	35	1980	24
30	70	690	42	1350	35	2010	24
60	67	720	41	1380	34	2040	23
90	63	750	41	1410	34	2070	23
120	61	780	41	1440	33	2100	23
150	58	810	41	1470	32	2130	22
180	56	840	41	1500	32	2160	22
210	54	870	41	1530	31	2190	22
240	53	900	41	1560	31	2220	21
270	52	930	40	1590	30	2250	21
300	51	960	40	1620	29	2280	21
330	50	990	40	1650	29	2310	21
360	49	1020	40	1680	28	2340	20
390	48	1050	39	1710	28	2370	20
420	47	1080	39	1740	27	2400	20
450	47	1110	38	1770	27	2430	20
480	46	1140	38	1800	26	2460	19
510	45	1170	37	1830	26	2490	19
540	44	1200	37	1860	26	2520	19
570	43	1230	37	1890	25	2550	19
600	42	1260	36	1920	25	2580	18
630	42	1290	36	1950	24	2600	26

STANDARD PERFORMANCE SPECIFICATION FOR “OIL GRIT SEPARATOR” (OGS) STORMWATER QUALITY TREATMENT DEVICE

PART 1 – GENERAL

1.1 WORK INCLUDED

This section specifies requirements for selecting, sizing, and designing an underground Oil Grit Separator (OGS) device for stormwater quality treatment, with third-party testing results and a Statement of Verification in accordance with ISO 14034 Environmental Management – Environmental Technology Verification (ETV).

1.2 REFERENCE STANDARDS & PROCEDURES

ISO 14034:2016 Environmental management – Environmental technology verification (ETV)

Canadian Environmental Technology Verification (ETV) Program's **Procedure for Laboratory Testing of Oil-Grit Separators**

1.3 SUBMITTALS

1.3.1 All submittals, including sizing reports & shop drawings, shall be submitted upon request with each order to the contractor then forwarded to the Engineer of Record for review and acceptance. Shop drawings shall detail all OGS components, elevations, and sequence of construction.

1.3.2 Alternative devices shall have features identical to or greater than the specified device, including: treatment chamber diameter, treatment chamber wet volume, sediment storage volume, and oil storage volume.

1.3.3 Unless directed otherwise by the Engineer of Record, OGS stormwater quality treatment product substitutions or alternatives submitted within ten days prior to project bid shall not be accepted. All alternatives or substitutions submitted shall be signed and sealed by a local registered Professional Engineer, based on the exact same criteria detailed in Section 3, in entirety, subject to review and approval by the Engineer of Record.

PART 2 – PRODUCTS

2.1 OGS POLLUTANT STORAGE

The OGS device shall include a sump for sediment storage, and a protected volume for the capture and storage of petroleum hydrocarbons and buoyant gross pollutants. The minimum sediment & petroleum hydrocarbon storage capacity shall be as follows:

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	8 ft (2438 mm) Diameter OGS Units:	8.78 m ³ sediment / 1,071 L oil
	10 ft (3048 mm) Diameter OGS Units:	17.78 m ³ sediment / 1,673 L oil
	12 ft (3657 mm) Diameter OGS Units:	31.23 m ³ sediment / 2,476 L oil

PART 3 – PERFORMANCE & DESIGN

3.1 GENERAL

The OGS stormwater quality treatment device shall be verified in accordance with ISO 14034:2016 Environmental management – Environmental technology verification (ETV). The OGS stormwater quality treatment device shall

Stormceptor® EF Sizing Report

remove oil, sediment and gross pollutants from stormwater runoff during frequent wet weather events, and retain these pollutants during less frequent high flow wet weather events below the insert within the OGS for later removal during maintenance. The Manufacturer shall have at least ten (10) years of local experience, history and success in engineering design, manufacturing and production and supply of OGS stormwater quality treatment device systems, acceptable to the Engineer of Record.

3.2 SIZING METHODOLOGY

The OGS device shall be engineered, designed and sized to provide stormwater quality treatment based on treating a minimum of 90 percent of the average annual runoff volume and a minimum removal of an annual average 60% of the sediment (TSS) load based on the Particle Size Distribution (PSD) specified in the sizing report for the specified device. Sizing of the OGS shall be determined by use of a minimum ten (10) years of local historical rainfall data provided by Environment Canada. Sizing shall also be determined by use of the sediment removal performance data derived from the ISO 14034 ETV third-party verified laboratory testing data from testing conducted in accordance with the Canadian ETV protocol Procedure for Laboratory Testing of Oil-Grit Separators, as follows:

3.2.1 Sediment removal efficiency for a given surface loading rate and its associated flow rate shall be based on sediment removal efficiency demonstrated at the seven (7) tested surface loading rates specified in the protocol, ranging 40 L/min/m² to 1400 L/min/m², and as stated in the ISO 14034 ETV Verification Statement for the OGS device.

3.2.2 Sediment removal efficiency for surface loading rates between 40 L/min/m² and 1400 L/min/m² shall be based on linear interpolation of data between consecutive tested surface loading rates.

3.2.3 Sediment removal efficiency for surface loading rates less than the lowest tested surface loading rate of 40 L/min/m² shall be assumed to be identical to the sediment removal efficiency at 40 L/min/m². No extrapolation shall be allowed that results in a sediment removal efficiency that is greater than that demonstrated at 40 L/min/m².

3.2.4 Sediment removal efficiency for surface loading rates greater than the highest tested surface loading rate of 1400 L/min/m² shall assume zero sediment removal for the portion of flow that exceeds 1400 L/min/m², and shall be calculated using a simple proportioning formula, with 1400 L/min/m² in the numerator and the higher surface loading rate in the denominator, and multiplying the resulting fraction times the sediment removal efficiency at 1400 L/min/m².

The OGS device shall also have sufficient annual sediment storage capacity as specified and calculated in Section 2.1.

3.3 CANADIAN ETV or ISO 14034 ETV VERIFICATION OF SCOUR TESTING

The OGS device shall have Canadian ETV or ISO 14034 ETV Verification of third-party scour testing conducted in accordance with the Canadian ETV Program's **Procedure for Laboratory Testing of Oil-Grit Separators**.

3.3.1 To be acceptable for on-line installation, the OGS device must demonstrate an average scour test effluent concentration less than 10 mg/L at each surface loading rate tested, up to and including 2600 L/min/m².

3.4 LIGHT LIQUID RE-ENTRAINMENT SIMULATION TESTING

The OGS device shall have Canadian ETV or ISO 14034 ETV Verification of completed third-party Light Liquid Re-entrainment Simulation Testing in accordance with the Canadian ETV **Program's Procedure for Laboratory Testing of Oil-Grit Separators**, with results reported within the Canadian ETV or ISO 14034 ETV verification. This re-entrainment testing is conducted with the device pre-loaded with low density polyethylene (LDPE) plastic beads as a surrogate for light liquids such as oil and fuel. Testing is conducted on the same OGS unit tested for sediment removal to

Stormceptor® EF Sizing Report

assess whether light liquids captured after a spill are effectively retained at high flow rates.

3.4.1 For an OGS device to be an acceptable stormwater treatment device on a site where vehicular traffic occurs and the potential for an oil or fuel spill exists, the OGS device must have reported verified performance results of greater than 99% cumulative retention of LDPE plastic beads for the five specified surface loading rates (ranging 200 L/min/m² to 2600 L/min/m²) in accordance with the Light Liquid Re-entrainment Simulation Testing within the Canadian ETV Program's **Procedure for Laboratory Testing of Oil-Grit Separators**. However, an OGS device shall not be allowed if the Light Liquid Re-entrainment Simulation Testing was performed with screening components within the OGS device that are effective at retaining the LDPE plastic beads, but would not be expected to retain light liquids such as oil and fuel.

Stormceptor® EF Sizing Report

Imbrium® Systems

ESTIMATED NET ANNUAL SEDIMENT (TSS) LOAD REDUCTION

10/26/2023

Province:	Ontario	Project Name:	JK Development
City:	New Liskeard	Project Number:	232602
Nearest Rainfall Station:	NORTH BAY AP	Designer Name:	Joe Lefaive
Climate Station Id:	6085700	Designer Company:	Antech Design and Engineering Group
Years of Rainfall Data:	40	Designer Email:	joe.lefaive@antechdesign.com
		Designer Phone:	226-934-4392
Site Name:	Site B - Apartment	EOR Name:	
		EOR Company:	
Drainage Area (ha):	0.73	EOR Email:	
% Imperviousness:	74.00	EOR Phone:	

Runoff Coefficient 'c': 0.74

Particle Size Distribution:	Fine
Target TSS Removal (%):	80.0

Required Water Quality Runoff Volume Capture (%):	90.00
Estimated Water Quality Flow Rate (L/s):	17.95
Oil / Fuel Spill Risk Site?	Yes
Upstream Flow Control?	No
Peak Conveyance (maximum) Flow Rate (L/s):	
Influent TSS Concentration (mg/L):	100
Estimated Average Annual Sediment Load (kg/yr):	320
Estimated Average Annual Sediment Volume (L/yr):	260

Net Annual Sediment (TSS) Load Reduction Sizing Summary

Stormceptor Model	TSS Removal Provided (%)
EFO4	82
EFO6	91
EFO8	96
EFO10	98
EFO12	99

Recommended Stormceptor EFO Model: **EFO4**
Estimated Net Annual Sediment (TSS) Load Reduction (%): **82**
Water Quality Runoff Volume Capture (%): **> 90**



Stormceptor® EF Sizing Report

THIRD-PARTY TESTING AND VERIFICATION

► **Stormceptor® EF and Stormceptor® EFO** are the latest evolutions in the Stormceptor® oil-grit separator (OGS) technology series, and are designed to remove a wide variety of pollutants from stormwater and snowmelt runoff. These technologies have been third-party tested in accordance with the Canadian ETV **Procedure for Laboratory Testing of Oil-Grit Separators** and performance has been third-party verified in accordance with the **ISO 14034 Environmental Technology Verification (ETV)** protocol.

PERFORMANCE

► **Stormceptor® EF and EFO** remove stormwater pollutants through gravity separation and floatation, and feature a patent-pending design that generates positive removal of total suspended solids (TSS) throughout each storm event, including high-intensity storms. Captured pollutants include sediment, free oils, and sediment-bound pollutants such as nutrients, heavy metals, and petroleum hydrocarbons. Stormceptor is sized to remove a high level of TSS from the frequent rainfall events that contribute the vast majority of annual runoff volume and pollutant load. The technology incorporates an internal bypass to convey excessive stormwater flows from high-intensity storms through the device without resuspension and washout (scour) of previously captured pollutants. Proper routine maintenance ensures high pollutant removal performance and protection of downstream waterways.

PARTICLE SIZE DISTRIBUTION (PSD)

► The **Canadian ETV PSD** shown in the table below was used, or in part, for this sizing. This is the identical PSD that is referenced in the Canadian ETV **Procedure for Laboratory Testing of Oil-Grit Separators** for both sediment removal testing and scour testing. The Canadian ETV PSD contains a wide range of particle sizes in the sand and silt fractions, and is considered reasonably representative of the particle size fractions found in typical urban stormwater runoff.

Particle Size (µm)	Percent Less Than	Particle Size Fraction (µm)	Percent
1000	100	500-1000	5
500	95	250-500	5
250	90	150-250	15
150	75	100-150	15
100	60	75-100	10
75	50	50-75	5
50	45	20-50	10
20	35	8-20	15
8	20	5-8	10
5	10	2-5	5
2	5	<2	5

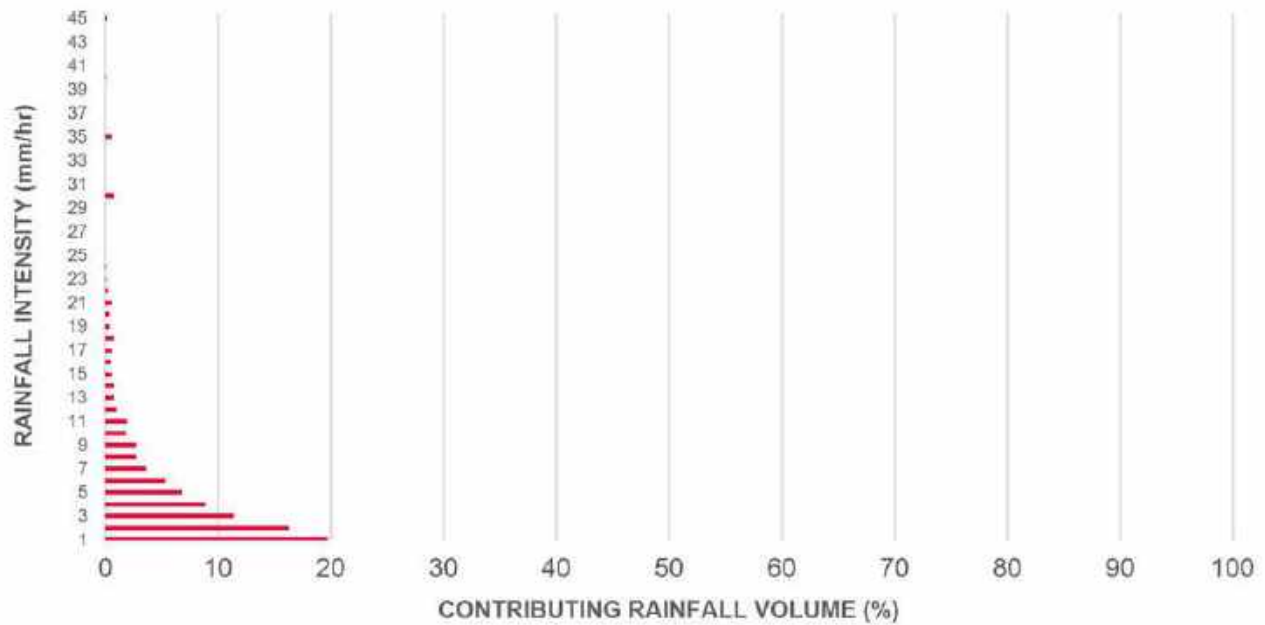
Stormceptor® EF Sizing Report

Rainfall Intensity (mm / hr)	Percent Rainfall Volume (%)	Cumulative Rainfall Volume (%)	Flow Rate (L/s)	Flow Rate (L/min)	Surface Loading Rate (L/min/m²)	Removal Efficiency (%)	Incremental Removal (%)	Cumulative Removal (%)
0.50	9.4	9.4	0.75	45.0	38.0	100	9.4	9.4
1.00	19.7	29.2	1.51	91.0	75.0	100	19.7	29.2
2.00	16.3	45.5	3.02	181.0	151.0	89	14.6	43.8
3.00	11.4	56.9	4.53	272.0	226.0	82	9.4	53.1
4.00	8.9	65.8	6.04	362.0	302.0	78	7.0	60.1
5.00	6.8	72.6	7.55	453.0	377.0	75	5.1	65.3
6.00	5.4	78.1	9.06	544.0	453.0	72	3.9	69.2
7.00	3.7	81.8	10.57	634.0	528.0	68	2.6	71.7
8.00	2.8	84.6	12.08	725.0	604.0	65	1.8	73.6
9.00	2.8	87.4	13.59	815.0	679.0	64	1.8	75.3
10.00	1.9	89.4	15.10	906.0	755.0	63	1.2	76.6
11.00	2.0	91.4	16.61	997.0	830.0	63	1.3	77.8
12.00	1.0	92.4	18.12	1087.0	906.0	62	0.6	78.5
13.00	0.8	93.2	19.63	1178.0	981.0	62	0.5	79.0
14.00	0.8	94.1	21.14	1268.0	1057.0	60	0.5	79.5
15.00	0.6	94.6	22.65	1359.0	1132.0	59	0.3	79.8
16.00	0.5	95.1	24.16	1449.0	1208.0	57	0.3	80.1
17.00	0.6	95.7	25.67	1540.0	1283.0	55	0.3	80.4
18.00	0.8	96.5	27.18	1631.0	1359.0	53	0.4	80.8
19.00	0.4	97.0	28.69	1721.0	1434.0	51	0.2	81.1
20.00	0.4	97.3	30.20	1812.0	1510.0	48	0.2	81.3
21.00	0.6	97.9	31.71	1902.0	1585.0	46	0.3	81.5
22.00	0.3	98.2	33.22	1993.0	1661.0	44	0.1	81.6
23.00	0.1	98.3	34.73	2084.0	1736.0	42	0.0	81.7
24.00	0.1	98.3	36.24	2174.0	1812.0	40	0.0	81.7
25.00	0.0	98.3	37.75	2265.0	1887.0	39	0.0	81.7
30.00	0.8	99.1	45.30	2718.0	2265.0	32	0.2	82.0
35.00	0.6	99.7	52.85	3171.0	2642.0	28	0.2	82.1
40.00	0.1	99.8	60.39	3624.0	3020.0	24	0.0	82.1
45.00	0.2	100.0	67.94	4077.0	3397.0	22	0.0	82.2
Estimated Net Annual Sediment (TSS) Load Reduction =								82 %

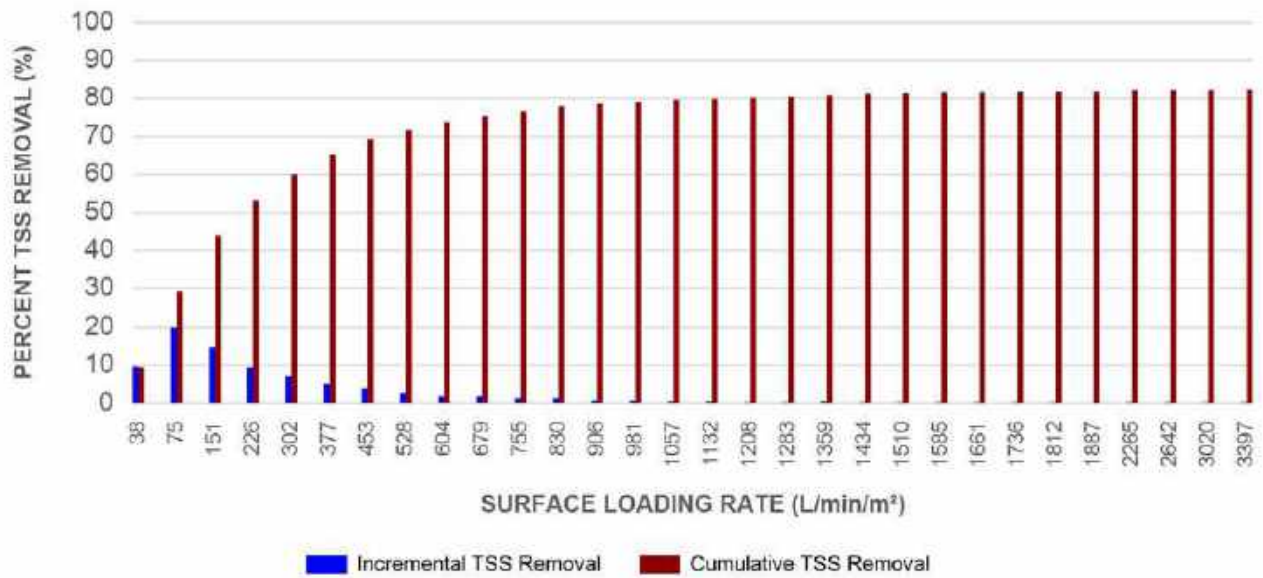
Climate Station ID: 6085700 Years of Rainfall Data: 40

Stormceptor® EF Sizing Report

RAINFALL DATA FROM NORTH BAY AP RAINFALL STATION



INCREMENTAL AND CUMULATIVE TSS REMOVAL FOR THE RECOMMENDED STORMCEPTOR® MODEL



Stormceptor® EF Sizing Report

Maximum Pipe Diameter / Peak Conveyance

Stormceptor EF / EFO	Model Diameter		Min Angle Inlet / Outlet Pipes	Max Inlet Pipe Diameter		Max Outlet Pipe Diameter		Peak Conveyance Flow Rate	
	(m)	(ft)		(mm)	(in)	(mm)	(in)	(L/s)	(cfs)
EF4 / EFO4	1.2	4	90	609	24	609	24	425	15
EF6 / EFO6	1.8	6	90	914	36	914	36	990	35
EF8 / EFO8	2.4	8	90	1219	48	1219	48	1700	60
EF10 / EFO10	3.0	10	90	1828	72	1828	72	2830	100
EF12 / EFO12	3.6	12	90	1828	72	1828	72	2830	100

SCOUR PREVENTION AND ONLINE CONFIGURATION

► **Stormceptor® EF and EFO** feature an internal bypass and superior scour prevention technology that have been demonstrated in third-party testing according to the scour testing provisions of the Canadian ETV **Procedure for Laboratory Testing of Oil-Grit Separators**, and the exceptional scour test performance has been third-party verified in accordance with the ISO 14034 ETV protocol. As a result, Stormceptor EF and EFO are approved for online installation, eliminating the need for costly additional bypass structures, piping, and installation expense.

DESIGN FLEXIBILITY

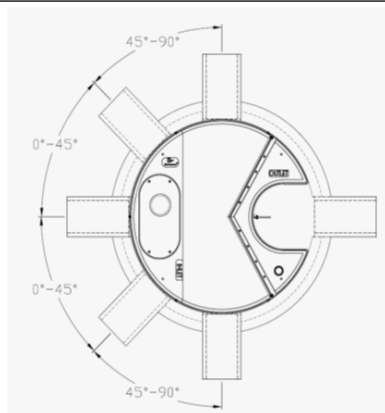
► **Stormceptor® EF and EFO** offers design flexibility in one simplified platform, accepting stormwater flow from a single inlet pipe or multiple inlet pipes, and/or surface runoff through an inlet grate. The device can also serve as a junction structure, accommodate a 90-degree inlet-to-outlet bend angle, and can be modified to ensure performance in submerged conditions.

OIL CAPTURE AND RETENTION

► While Stormceptor® EF will capture and retain oil from dry weather spills and low intensity runoff, **Stormceptor® EFO** has demonstrated superior oil capture and greater than 99% oil retention in third-party testing according to the light liquid re-entrainment testing provisions of the Canadian ETV **Procedure for Laboratory Testing of Oil-Grit Separators**. Stormceptor EFO is recommended for sites where oil capture and retention is a requirement.



Stormceptor® EF Sizing Report



INLET-TO-OUTLET DROP

Elevation differential between inlet and outlet pipe inverts is dictated by the angle at which the inlet pipe(s) enters the unit.

0° - 45° : The inlet pipe is 1-inch (25mm) higher than the outlet pipe.

45° - 90° : The inlet pipe is 2-inches (50mm) higher than the outlet pipe.

HEAD LOSS

The head loss through Stormceptor EF is similar to that of a 60-degree bend structure. The applicable K value for calculating minor losses through the unit is 1.1.

For submerged conditions the applicable K value is 3.0.

Pollutant Capacity

Stormceptor EF / EFO	Model Diameter		Depth (Outlet Pipe Invert to Sump Floor)		Oil Volume		Recommended Sediment Maintenance Depth *		Maximum Sediment Volume *		Maximum Sediment Mass **	
	(m)	(ft)	(m)	(ft)	(L)	(Gal)	(mm)	(in)	(L)	(ft³)	(kg)	(lb)
EF4 / EFO4	1.2	4	1.52	5.0	265	70	203	8	1190	42	1904	5250
EF6 / EFO6	1.8	6	1.93	6.3	610	160	305	12	3470	123	5552	15375
EF8 / EFO8	2.4	8	2.59	8.5	1070	280	610	24	8780	310	14048	38750
EF10 / EFO10	3.0	10	3.25	10.7	1670	440	610	24	17790	628	28464	78500
EF12 / EFO12	3.6	12	3.89	12.8	2475	655	610	24	31220	1103	49952	137875

*Increased sump depth may be added to increase sediment storage capacity

** Average density of wet packed sediment in sump = 1.6 kg/L (100 lb/ft³)

Feature	Benefit	Feature Appeals To
Patent-pending enhanced flow treatment and scour prevention technology	Superior, verified third-party performance	Regulator, Specifying & Design Engineer
Third-party verified light liquid capture and retention for EFO version	Proven performance for fuel/oil hotspot locations	Regulator, Specifying & Design Engineer, Site Owner
Functions as bend, junction or inlet structure	Design flexibility	Specifying & Design Engineer
Minimal drop between inlet and outlet	Site installation ease	Contractor
Large diameter outlet riser for inspection and maintenance	Easy maintenance access from grade	Maintenance Contractor & Site Owner

STANDARD STORMCEPTOR EF/EFO DRAWINGS

For standard details, please visit <http://www.imbriumsystems.com/stormwater-treatment-solutions/stormceptor-ef>

STANDARD STORMCEPTOR EF/EFO SPECIFICATION

For specifications, please visit <http://www.imbriumsystems.com/stormwater-treatment-solutions/stormceptor-ef>

STANDARD PERFORMANCE SPECIFICATION FOR “OIL GRIT SEPARATOR” (OGS) STORMWATER QUALITY TREATMENT DEVICE

PART 1 – GENERAL

1.1 WORK INCLUDED

This section specifies requirements for selecting, sizing, and designing an underground Oil Grit Separator (OGS) device for stormwater quality treatment, with third-party testing results and a Statement of Verification in accordance with ISO 14034 Environmental Management – Environmental Technology Verification (ETV).

1.2 REFERENCE STANDARDS & PROCEDURES

ISO 14034:2016 Environmental management – Environmental technology verification (ETV)

Canadian Environmental Technology Verification (ETV) Program's **Procedure for Laboratory Testing of Oil-Grit Separators**

1.3 SUBMITTALS

1.3.1 All submittals, including sizing reports & shop drawings, shall be submitted upon request with each order to the contractor then forwarded to the Engineer of Record for review and acceptance. Shop drawings shall detail all OGS components, elevations, and sequence of construction.

1.3.2 Alternative devices shall have features identical to or greater than the specified device, including: treatment chamber diameter, treatment chamber wet volume, sediment storage volume, and oil storage volume.

1.3.3 Unless directed otherwise by the Engineer of Record, OGS stormwater quality treatment product substitutions or alternatives submitted within ten days prior to project bid shall not be accepted. All alternatives or substitutions submitted shall be signed and sealed by a local registered Professional Engineer, based on the exact same criteria detailed in Section 3, in entirety, subject to review and approval by the Engineer of Record.

PART 2 – PRODUCTS

2.1 OGS POLLUTANT STORAGE

The OGS device shall include a sump for sediment storage, and a protected volume for the capture and storage of petroleum hydrocarbons and buoyant gross pollutants. The minimum sediment & petroleum hydrocarbon storage capacity shall be as follows:

2.1.1	4 ft (1219 mm) Diameter OGS Units:	1.19 m ³ sediment / 265 L oil
	6 ft (1829 mm) Diameter OGS Units:	3.48 m ³ sediment / 609 L oil
	8 ft (2438 mm) Diameter OGS Units:	8.78 m ³ sediment / 1,071 L oil
	10 ft (3048 mm) Diameter OGS Units:	17.78 m ³ sediment / 1,673 L oil
	12 ft (3657 mm) Diameter OGS Units:	31.23 m ³ sediment / 2,476 L oil

PART 3 – PERFORMANCE & DESIGN

3.1 GENERAL

The OGS stormwater quality treatment device shall be verified in accordance with ISO 14034:2016 Environmental management – Environmental technology verification (ETV). The OGS stormwater quality treatment device shall

Stormceptor® EF Sizing Report

remove oil, sediment and gross pollutants from stormwater runoff during frequent wet weather events, and retain these pollutants during less frequent high flow wet weather events below the insert within the OGS for later removal during maintenance. The Manufacturer shall have at least ten (10) years of local experience, history and success in engineering design, manufacturing and production and supply of OGS stormwater quality treatment device systems, acceptable to the Engineer of Record.

3.2 SIZING METHODOLOGY

The OGS device shall be engineered, designed and sized to provide stormwater quality treatment based on treating a minimum of 90 percent of the average annual runoff volume and a minimum removal of an annual average 60% of the sediment (TSS) load based on the Particle Size Distribution (PSD) specified in the sizing report for the specified device. Sizing of the OGS shall be determined by use of a minimum ten (10) years of local historical rainfall data provided by Environment Canada. Sizing shall also be determined by use of the sediment removal performance data derived from the ISO 14034 ETV third-party verified laboratory testing data from testing conducted in accordance with the Canadian ETV protocol Procedure for Laboratory Testing of Oil-Grit Separators, as follows:

3.2.1 Sediment removal efficiency for a given surface loading rate and its associated flow rate shall be based on sediment removal efficiency demonstrated at the seven (7) tested surface loading rates specified in the protocol, ranging 40 L/min/m² to 1400 L/min/m², and as stated in the ISO 14034 ETV Verification Statement for the OGS device.

3.2.2 Sediment removal efficiency for surface loading rates between 40 L/min/m² and 1400 L/min/m² shall be based on linear interpolation of data between consecutive tested surface loading rates.

3.2.3 Sediment removal efficiency for surface loading rates less than the lowest tested surface loading rate of 40 L/min/m² shall be assumed to be identical to the sediment removal efficiency at 40 L/min/m². No extrapolation shall be allowed that results in a sediment removal efficiency that is greater than that demonstrated at 40 L/min/m².

3.2.4 Sediment removal efficiency for surface loading rates greater than the highest tested surface loading rate of 1400 L/min/m² shall assume zero sediment removal for the portion of flow that exceeds 1400 L/min/m², and shall be calculated using a simple proportioning formula, with 1400 L/min/m² in the numerator and the higher surface loading rate in the denominator, and multiplying the resulting fraction times the sediment removal efficiency at 1400 L/min/m².

The OGS device shall also have sufficient annual sediment storage capacity as specified and calculated in Section 2.1.

3.3 CANADIAN ETV or ISO 14034 ETV VERIFICATION OF SCOUR TESTING

The OGS device shall have Canadian ETV or ISO 14034 ETV Verification of third-party scour testing conducted in accordance with the Canadian ETV Program's **Procedure for Laboratory Testing of Oil-Grit Separators**.

3.3.1 To be acceptable for on-line installation, the OGS device must demonstrate an average scour test effluent concentration less than 10 mg/L at each surface loading rate tested, up to and including 2600 L/min/m².

3.4 LIGHT LIQUID RE-ENTRAINMENT SIMULATION TESTING

The OGS device shall have Canadian ETV or ISO 14034 ETV Verification of completed third-party Light Liquid Re-entrainment Simulation Testing in accordance with the Canadian ETV **Program's Procedure for Laboratory Testing of Oil-Grit Separators**, with results reported within the Canadian ETV or ISO 14034 ETV verification. This re-entrainment testing is conducted with the device pre-loaded with low density polyethylene (LDPE) plastic beads as a surrogate for light liquids such as oil and fuel. Testing is conducted on the same OGS unit tested for sediment removal to

Stormceptor® EF Sizing Report

assess whether light liquids captured after a spill are effectively retained at high flow rates.

3.4.1 For an OGS device to be an acceptable stormwater treatment device on a site where vehicular traffic occurs and the potential for an oil or fuel spill exists, the OGS device must have reported verified performance results of greater than 99% cumulative retention of LDPE plastic beads for the five specified surface loading rates (ranging 200 L/min/m² to 2600 L/min/m²) in accordance with the Light Liquid Re-entrainment Simulation Testing within the Canadian ETV Program's **Procedure for Laboratory Testing of Oil-Grit Separators**. However, an OGS device shall not be allowed if the Light Liquid Re-entrainment Simulation Testing was performed with screening components within the OGS device that are effective at retaining the LDPE plastic beads, but would not be expected to retain light liquids such as oil and fuel.

VERIFICATION STATEMENT

GLOBE Performance Solutions

Verifies the performance of

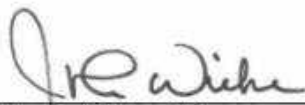
Stormceptor® EF4 and EFO4 Oil-Grit Separators

Developed by Imbrium Systems, Inc.,
Whitby, Ontario, Canada

In accordance with

ISO 14034:2016

**Environmental management —
Environmental technology verification (ETV)**



John D. Wiebe, PhD
Executive Chairman
GLOBE Performance Solutions



November 10, 2017
Vancouver, BC, Canada

Verification Body
GLOBE Performance Solutions
404 – 999 Canada Place | Vancouver, B.C | Canada | V6C 3E2

Technology description and application

The Stormceptor® EF4 and EFO4 are treatment devices designed to remove oil, sediment, trash, debris, and pollutants attached to particulates from Stormwater and snowmelt runoff. The device takes the place of a conventional manhole within a storm drain system and offers design flexibility that works with various site constraints. The EFO4 is designed with a shorter bypass weir height, which accepts lower surface loading rate into the sump, thereby reducing re-entrainment of captured free floating light liquids.

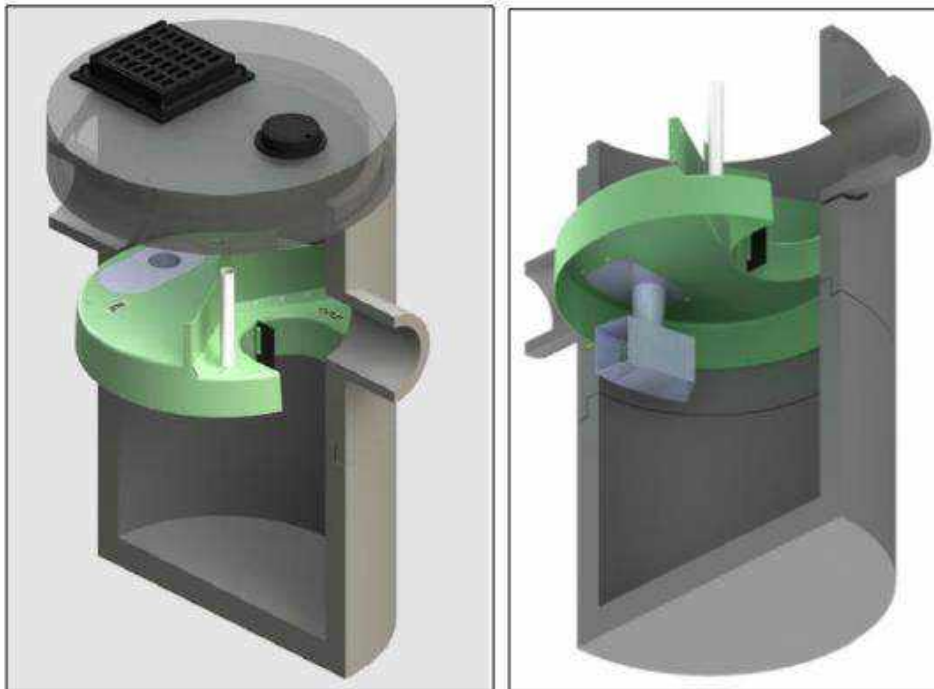


Figure 1. Graphic of typical inline Stormceptor® unit and core components.

Stormwater and snowmelt runoff enters the Stormceptor® EF/EFO's upper chamber through the inlet pipe(s) or a surface inlet grate. An insert divides the unit into lower and upper chambers and incorporates a weir to reduce influent velocity and separate influent (untreated) from effluent (treated) flows. Influent water ponds upstream of the insert's weir providing driving head for the water flowing downwards into the drop pipe where a vortex pulls the water into the lower chamber. The water diffuses at lower velocities in multiple directions through the drop pipe outlet openings. Oil and other floatables rise up and are trapped beneath the insert, while sediments undergo gravitational settling to the sump's bottom. Water from the sump can exit by flowing upward to the outlet riser onto the top side of the insert and downstream of the weir, where it discharges through the outlet pipe.

Maximum flow rate into the lower chamber is a function of weir height and drop pipe orifice diameter. The Stormceptor® EF and EFO are designed to allow a surface loading rate of 1135 L/min/m² (27.9 gal/min/ft²) and 535 L/min/m² (13.1 gal/min/ft²) into the lower chamber, respectively. When prescribed surface loading rates are exceeded, ponding water can overtop the weir height and bypass the lower treatment chamber, exiting directly through the outlet pipe. Hydraulic testing and scour testing demonstrate that the internal bypass effectively prevents scour at all bypass flow rates. Increasing the bypass flow rate does not increase the orifice-controlled flow rate into the lower treatment chamber where sediment is stored. This internal bypass feature allows for in-line installation, avoiding the cost of

additional bypass structures. During bypass, treatment continues in the lower chamber at the maximum flow rate. The Stormceptor® EFO's lower design surface loading rate is favorable for minimizing re-entrainment and washout of captured light liquids. Inspection of Stormceptor® EF and EFO devices is performed from grade by inserting a sediment probe through the outlet riser and an oil dipstick through the oil inspection pipe. The unit can be maintained by using a vacuum hose through the outlet riser.

Performance conditions

The data and results published in this Technology Fact Sheet were obtained from the testing program conducted on the Imbrium Systems Inc.'s Stormceptor® OGS device, in accordance with the Procedure for Laboratory Testing of Oil-Grit Separators (Version 3.0, June 2014). The Procedure was prepared by the Toronto and Region Conservation Authority (TRCA) for Environment Canada's Environmental Technology Verification (ETV) Program. A copy of the Procedure may be accessed on the Canadian ETV website at www.etvcanada.ca.

Performance claim(s)

Capture test^a:

During the capture test, the Stormceptor® EF OGS device, with a false floor set to 50% of the manufacturer's recommended maximum sediment storage depth and a constant influent test sediment concentration of 200 mg/L, removes 70, 64, 54, 48, 46, 44, and 49 percent of influent sediment by mass at surface loading rates of 40, 80, 200, 400, 600, 1000, and 1400 L/min/m², respectively.

Stormceptor® EFO, with a false floor set to 50% of the manufacturer's recommended maximum sediment storage depth and a constant influent test sediment concentration of 200 mg/L, removes 70, 64, 54, 48, 42, 40, and 34 percent of influent sediment by mass at surface loading rates of 40, 80, 200, 400, 600, 1000, and 1400 L/min/m², respectively.

Scour test^a:

During the scour test, the Stormceptor® EF and Stormceptor® EFO OGS devices, with 10.2 cm (4 inches) of test sediment pre-loaded onto a false floor reaching 50% of the manufacturer's recommended maximum sediment storage depth, generate corrected effluent concentrations of 4.6, 0.7, 0, 0.2, and 0.4 mg/L at 5-minute duration surface loading rates of 200, 800, 1400, 2000, and 2600 L/min/m², respectively.

Light liquid re-entrainment test^a:

During the light liquid re-entrainment test, the Stormceptor® EFO OGS device with surrogate low-density polyethylene beads preloaded within the lower chamber oil collection zone, representing a floating light liquid volume equal to a depth of 50.8 mm over the sedimentation area, retained 100, 99.5, 99.8, 99.8, and 99.9 percent of loaded beads by mass during the 5-minute duration surface loading rates of 200, 800, 1400, 2000, and 2600 L/min/m².

^a The claim can be applied to other units smaller or larger than the tested unit as long as the untested units meet the scaling rule specified in the Procedure for Laboratory of Testing of Oil Grit Separators (Version 3.0, June 2014)

Performance results

The test sediment consisted of ground silica (1 – 1000 micron) with a specific gravity of 2.65, uniformly mixed to meet the particle size distribution specified in the testing procedure. The *Procedure for Laboratory Testing of Oil Grit Separators* requires that the three sample average of the test sediment particle size distribution (PSD) meet the specified PSD percent less than values within a boundary threshold of 6%. The comparison of the average test sediment PSD to the CETV specified PSD in Figure 2 indicates that the test sediment used for the capture and scour tests met this condition.

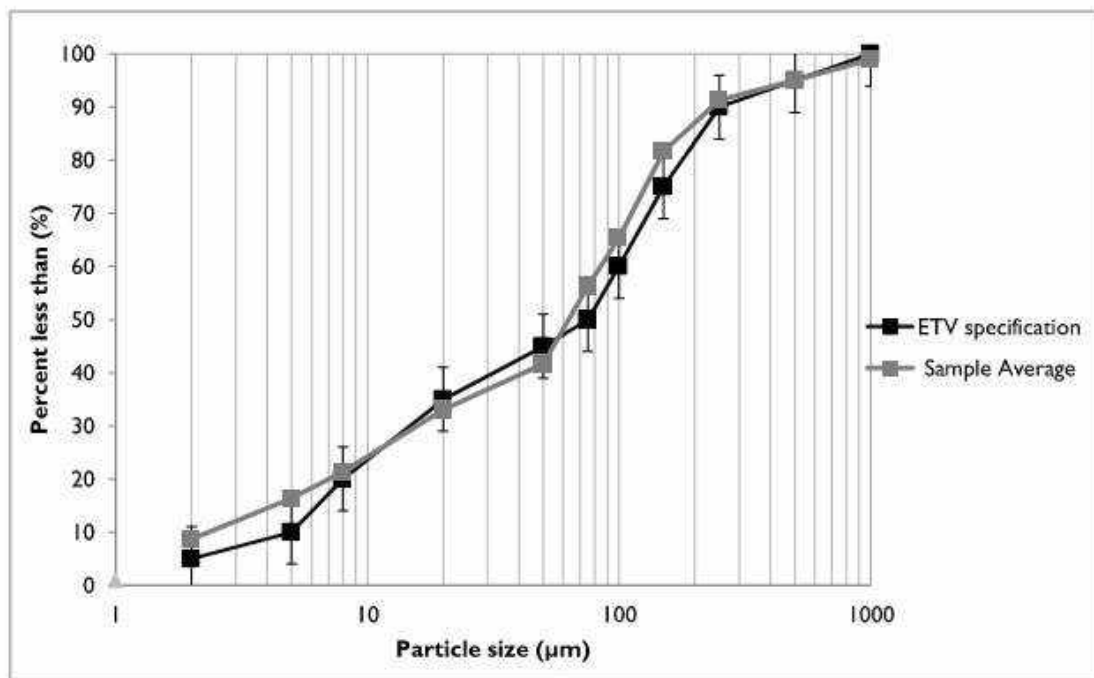


Figure 2. The three sample average particle size distribution (PSD) of the test sediment used for the capture and scour test compared to the specified PSD.

The capacity of the device to retain sediment was determined at seven surface loading rates using the modified mass balance method. This method involved measuring the mass and particle size distribution of the injected and retained sediment for each test run. Performance was evaluated with a false floor simulating the technology filled to 50% of the manufacturer's recommended maximum sediment storage depth. The test was carried out with clean water that maintained a sediment concentration below 20 mg/L. Based on these conditions, removal efficiencies for individual particle size classes and for the test sediment as a whole were determined for each of the tested surface loading rates (Table 1). Since the EF and EFO models are identical except for the weir height, which bypasses flows from the EFO model at a surface loading rate of 535 L/min/m² (13.1 gpm/ft²), sediment capture tests at surface loading rates from 40 to 400 L/min/m² were only performed on the EF unit. Surface loading rates of 600, 1000, and 1400 L/min/m² were tested on both units separately. Results for the EFO model at these higher flow rates are presented in Table 2.

In some instances, the removal efficiencies were above 100% for certain particle size fractions. These discrepancies are not unique to any one test laboratory and may be attributed to errors relating to the blending of sediment, collection of representative samples for laboratory submission, and laboratory

analysis of PSD. Due to these errors, caution should be exercised in applying the removal efficiencies by particle size fraction for the purposes of sizing the tested device (see [Bulletin # CETV 2016-11-0001](#)). The results for “all particle sizes by mass balance” (see Table 1 and 2) are based on measurements of the total injected and retained sediment mass, and are therefore not subject to blending, sampling or PSD analysis errors.

Table 1. Removal efficiencies (%) of the EF4 at specified surface loading rates

Particle size fraction (µm)	Surface loading rate (L/min/m ²)						
	40	80	200	400	600	1000	1400
>500	90	58	58	100*	86	72	100*
250 - 500	100*	100*	100	100*	100*	100*	100*
150 - 250	90	82	26	100*	100*	67	90
105 - 150	100*	100*	100*	100*	100*	100*	100
75 - 105	100*	92	74	82	77	68	76
53 - 75	Undefined ^a	56	100*	72	69	50	80
20 - 53	54	100*	54	33	36	40	31
8 - 20	67	52	25	21	17	20	20
5 - 8	33	29	11	12	9	7	19
<5	13	0	0	0	0	0	4
All particle sizes by mass balance	70.4	63.8	53.9	47.5	46.0	43.7	49.0

^a An outlier in the feed sample sieve data resulted in a negative removal efficiency for this size fraction.

* Removal efficiencies were calculated to be above 100%. Calculated values ranged between 101 and 171% (average 128%). See text and [Bulletin # CETV 2016-11-0001](#) for more information.

Table 2. Removal efficiencies (%) of the EFO4 at surface loading rates above the bypass rate of 535 L/min/m²

Particle size fraction (µm)	Surface loading rate (L/min/m ²)		
	600	1000	1400
>500	89	83	100*
250 - 500	90	100*	92
150 - 250	90	67	100*
105 - 150	85	92	77
75 - 105	80	71	65
53 - 75	60	31	36
20 - 53	33	43	23
8 - 20	17	23	15
5 - 8	10	3	3
<5	0	0	0
All particle sizes by mass balance	41.7	39.7	34.2

* Removal efficiencies were calculated to be above 100%. Calculated values ranged between 103 and 111% (average 107%).

See text and [Bulletin # CETV 2016-11-0001](#) for more information.

Figure 3 compares the particle size distribution (PSD) of the three sample average of the test sediment to the PSD of the sediment retained by the EF4 at each of the tested surface loading rates. Figure 4 shows the same graph for the EFO4 unit at surface loading rates above the bypass rate of 535 L/min/m².

analysis of PSD. Due to these errors, caution should be exercised in applying the removal efficiencies by particle size fraction for the purposes of sizing the tested device (see [Bulletin # CETV 2016-11-0001](#)). The results for “all particle sizes by mass balance” (see Table 1 and 2) are based on measurements of the total injected and retained sediment mass, and are therefore not subject to blending, sampling or PSD analysis errors.

Table 1. Removal efficiencies (%) of the EF4 at specified surface loading rates

Particle size fraction (µm)	Surface loading rate (L/min/m ²)						
	40	80	200	400	600	1000	1400
>500	90	58	58	100*	86	72	100*
250 - 500	100*	100*	100	100*	100*	100*	100*
150 - 250	90	82	26	100*	100*	67	90
105 - 150	100*	100*	100*	100*	100*	100*	100
75 - 105	100*	92	74	82	77	68	76
53 - 75	Undefined ^a	56	100*	72	69	50	80
20 - 53	54	100*	54	33	36	40	31
8 - 20	67	52	25	21	17	20	20
5 - 8	33	29	11	12	9	7	19
<5	13	0	0	0	0	0	4
All particle sizes by mass balance	70.4	63.8	53.9	47.5	46.0	43.7	49.0

^a An outlier in the feed sample sieve data resulted in a negative removal efficiency for this size fraction.

* Removal efficiencies were calculated to be above 100%. Calculated values ranged between 101 and 171% (average 128%). See text and [Bulletin # CETV 2016-11-0001](#) for more information.

Table 2. Removal efficiencies (%) of the EFO4 at surface loading rates above the bypass rate of 535 L/min/m²

Particle size fraction (µm)	Surface loading rate (L/min/m ²)		
	600	1000	1400
>500	89	83	100*
250 - 500	90	100*	92
150 - 250	90	67	100*
105 - 150	85	92	77
75 - 105	80	71	65
53 - 75	60	31	36
20 - 53	33	43	23
8 - 20	17	23	15
5 - 8	10	3	3
<5	0	0	0
All particle sizes by mass balance	41.7	39.7	34.2

* Removal efficiencies were calculated to be above 100%. Calculated values ranged between 103 and 111% (average 107%).

See text and [Bulletin # CETV 2016-11-0001](#) for more information.

Figure 3 compares the particle size distribution (PSD) of the three sample average of the test sediment to the PSD of the sediment retained by the EF4 at each of the tested surface loading rates. Figure 4 shows the same graph for the EFO4 unit at surface loading rates above the bypass rate of 535 L/min/m².

the sedimentation sump of the device. The sediment was placed on a false floor to mimic a device filled to 50% of the maximum recommended sediment storage depth. Clean water was run through the device at five surface loading rates over a 30 minute period. Each flow rate was maintained for 5 minutes with a one minute transition time between flow rates. Effluent samples were collected at one minute sampling intervals and analyzed for Suspended Sediment Concentration (SSC) and PSD by recognized methods. The effluent samples were subsequently adjusted based on the background concentration of the influent water. Typically, the smallest 5% of particles captured during the 40 L/min/m² sediment capture test is also used to adjust the concentration, as per the method described in [Bulletin # CETV 2016-09-0001](#). However, since the composites of effluent concentrations were below the Reporting Detection Limit of the Laser Diffraction PSD methodology, this adjustment was not made. Results showed average adjusted effluent sediment concentrations below 5 mg/L at all tested surface loading rates.

It should be noted that the EF4 starts to internally bypass water at 1135 L/min/m², potentially resulting in the dilution of effluent concentrations, which would not normally occur under typical field conditions because the field influent concentration would contain a much higher sediment concentration than during the lab test. Recalculation of effluent concentrations to account for dilution at surface loading rates above the bypass rate showed sediment effluent concentrations to be below 1.6 mg/L.

Table 4. Scour test adjusted effluent sediment concentration.

Run	Surface loading rate (L/min/m ²)	Run time (min)	Background sample concentration (mg/L)	Adjusted effluent suspended sediment concentration (mg/L) ^a	Average (mg/L)
1	200	1:00	<RDL	11.9	4.6
		2:00		7.0	
		3:00		4.4	
		4:00		2.2	
		5:00		1.0	
		6:00		1.2	
2	800	7:00	<RDL	1.1	0.7
		8:00		0.9	
		9:00		0.6	
		10:00		1.4	
		11:00		0.1	
3	1400	12:00	<RDL	0	0
		13:00		0	
		14:00		0.1	
		15:00		0	
		16:00		0	
		17:00		0	
4	2000	18:00	1.2	0	0.2
		19:00		0.2	
		20:00		0	
		21:00		0	
		22:00		0.7	
		23:00		0	

		24:00		0.4	
5	2600	25:00	1.6	0.3	0.4
		26:00		0.4	
		27:00		0.7	
		28:00		0.4	
		29:00		0.2	
		30:00		0.4	

^a The adjusted effluent suspended sediment concentration represents the actual measured effluent concentration minus the background concentration. For more information see [Bulletin # CETV 2016-09-0001](#).

The results of the light liquid re-entrainment test used to evaluate the unit's capacity to prevent re-entrainment of light liquids are reported in Table 5. The test involved preloading 58.3 L (corresponding to a 5 cm depth over the collection sump area of 1.17m²) of surrogate low-density polyethylene beads within the oil collection skirt and running clean water through the device continuously at five surface loading rates (200, 800, 1400, 2000, and 2600 L/min/m²). Each flow rate was maintained for 5 minutes with approximately 1 minute transition time between flow rates. The effluent flow was screened to capture all re-entrained pellets throughout the test.

Table 5. Light liquid re-entrainment test results for the EFO4.

Surface Loading Rate (L/min/m ²)	Time Stamp	Amount of Beads Re-entrained			
		Mass (g)	Volume (L) ^a	% of Pre-loaded Mass Re-entrained	% of Pre-loaded Mass Retained
200	62	0	0	0.00	100
800	247	168.45	0.3	0.52	99.48
1400	432	51.88	0.09	0.16	99.83
2000	617	55.54	0.1	0.17	99.84
2600	802	19.73	0.035	0.06	99.94
Total Re-entrained		295.60	0.525	0.91	--
Total Retained		32403	57.78	--	99.09
Total Loaded		32699	58.3	--	--

^a Determined from bead bulk density of 0.56074 g/cm³

Variances from testing Procedure

The following minor deviations from the *Procedure for Laboratory Testing of Oil-Grit Separators* (Version 3.0, June 2014) have been noted:

- During the capture test, the 40 L/min/m² and 80 L/min/m² surface loading rates were evaluated over 3 and 2 days respectively due to the long duration needed to feed the required minimum of 11.3 kg of test sediment into the unit at these lower flow rates. Pumps were shut down at the end of each intermediate day, and turned on again the following morning. The target flow rate was re-established within 30 seconds of switching on the pump. This procedure may have allowed sediments to be captured that otherwise may have exited the unit if the test was

continuous. On the basis of practical considerations, this variance was approved by the verifier prior to testing.

2. During the scour test, the coefficient of variation (COV) for the lowest flow rate tested (200 L/min/m²) was 0.07, which exceeded the specified limit of 0.04 target specified in the OGS Procedure. A pump capable of attaining the highest flow rate of 3036 L/min had difficulty maintaining the lowest flow of 234 L/min but still remained within +/- 10% of the target flow and is viewed as having very little impact on the observed results. Similarly, for the light liquid re-entrainment test the COV for the flow rate of the 200 L/min/m² run was 0.049, exceeding the limit of 0.04, but is believed to introduce negligible bias.
3. Due to pressure build up in the filters, the runs at 1000 L/min/m² for the Stormceptor® EF4 and 1000 and 1400 L/min/m² for the Stormceptor® EFO4 were slightly shorter than the target. The run times were 54, 59 and 43 minutes respectively, versus targets of 60 and 50 minutes. The final feed samples were timed to coincide with the end of the run. Since >25 lbs of sediment was fed, the shortened time did not invalidate the runs.

Verification

The verification was completed by the Verification Expert, Toronto and Region Conservation Authority, contracted by GLOBE Performance Solutions, using the International Standard **ISO 14034:2016 Environmental management – Environmental technology verification (ETV)**. Data and information provided by Imbrium Systems Inc. to support the performance claim included the following: Performance test report prepared by Good Harbour Laboratories, and dated September 8, 2017; the report is based on testing completed in accordance with the Procedure for Laboratory Testing of Oil-Grit Separators (Version 3.0, June 2014).

What is ISO 14034:2016 Environmental management – Environmental technology verification (ETV)?

ISO 14034:2016 specifies principles, procedures and requirements for environmental technology verification (ETV), and was developed and published by the *International Organization for Standardization (ISO)*. The objective of ETV is to provide credible, reliable and independent verification of the performance of environmental technologies. An environmental technology is a technology that either results in an environmental added value or measures parameters that indicate an environmental impact. Such technologies have an increasingly important role in addressing environmental challenges and achieving sustainable development.

For more information on the Stormceptor® EF4 and EFO4 please contact:

Imbrium Systems, Inc.
407 Fairview Drive
Whitby, ON
L1N 3A9, Canada
Tel: 416-960-9900
info@imbriumsystems.com

For more information on ISO 14034:2016 / ETV please contact:

GLOBE Performance Solutions
World Trade Centre
404 – 999 Canada Place
Vancouver, BC
V6C 3E2 Canada
Tel: 604-695-5018 / Toll Free: 1-855-695-5018
etv@globeperformance.com

Limitation of verification

GLOBE Performance Solutions and the Verification Expert provide the verification services solely on the basis of the information supplied by the applicant or vendor and assume no liability thereafter. The responsibility for the information supplied remains solely with the applicant or vendor and the liability for the purchase, installation, and operation (whether consequential or otherwise) is not transferred to any other party as a result of the verification.

Appendix H: Vortex Valve

Technical Specification

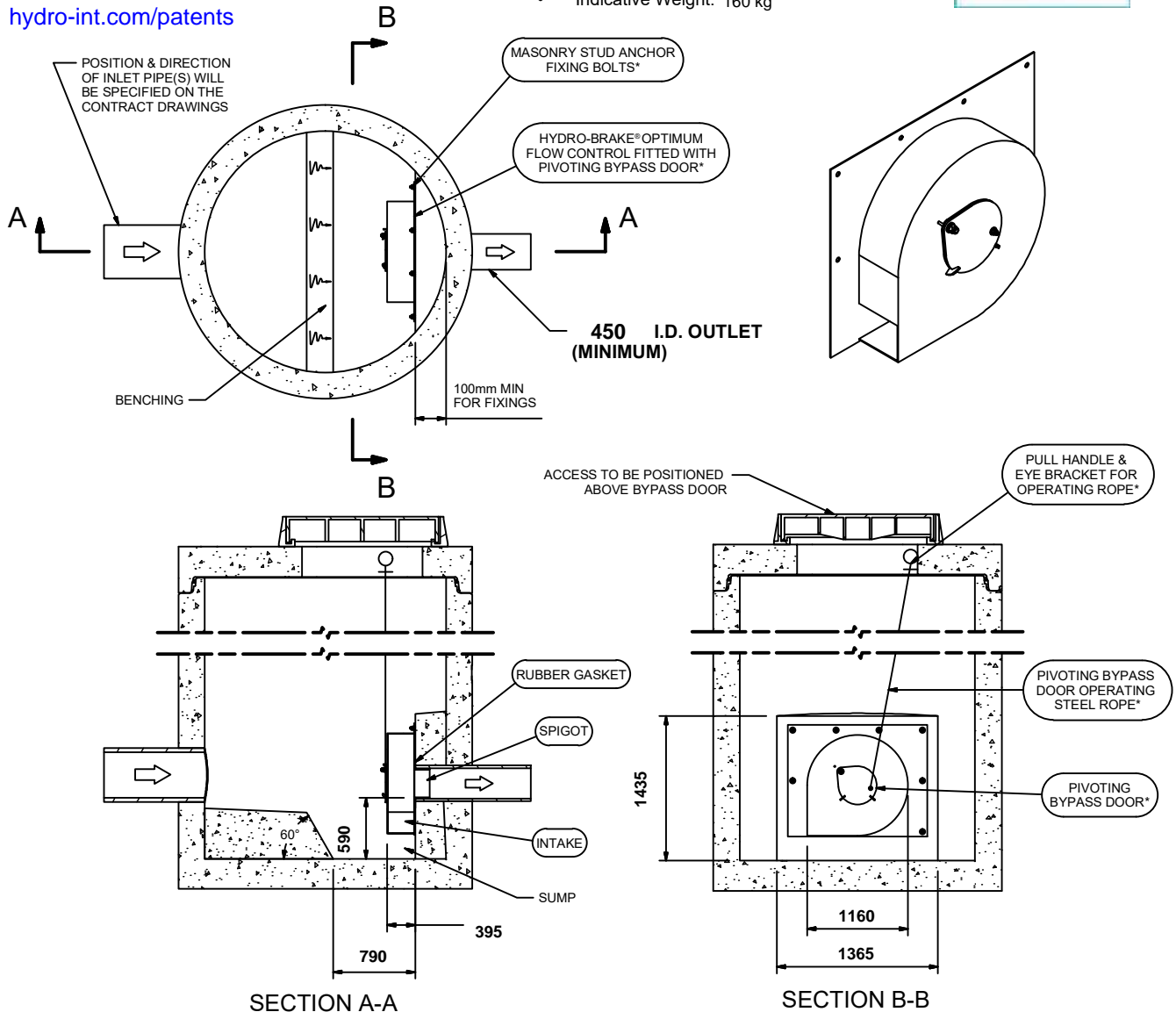
Control Point	Head (m)	Flow (l/s)
Primary Design	1.440	100.000
Flush-Flo™	0.601	99.897
Kick-Flo®	1.101	87.800
Mean Flow		81.381

Hydro-Brake® Optimum Flow Control including:

- 5 mm grade 304L stainless steel
- Integral stainless steel pivoting by-pass door allowing clear line of sight through to outlet, c/w stainless steel operating rope
- Beed blasted finish to maximise corrosion resistance
- Stainless steel fixings
- Rubber gasket to seal outlet
- Indicative Weight: 160 kg



hydro-int.com/patents



IMPORTANT:

○ LIMIT OF HYDRO INTERNATIONAL SUPPLY

THE DEVICE WILL BE HANDED TO SUIT SITE CONDITIONS
FOR SITE SPECIFIC DETAILS AND MINIMUM CHAMBER SIZE REFER TO HYDRO INTERNATIONAL
ALL CIVIL AND INSTALLATION WORK BY OTHERS

* WHERE SUPPLIED

HYDRO-BRAKE® FLOW CONTROL & HYDRO-BRAKE® OPTIMUM FLOW CONTROL ARE REGISTERED TRADEMARKS FOR FLOW CONTROLS DESIGNED AND MANUFACTURED EXCLUSIVELY BY HYDRO INTERNATIONAL

THIS DESIGN LAYOUT IS FOR ILLUSTRATIVE PURPOSES ONLY. NOT TO SCALE.

**DESIGN
ADVICE**



The head/flow characteristics of this SHE-0389-1000-1440-1000 Hydro-Brake® Optimum Flow Control are unique. Dynamic hydraulic modelling evaluates the full head/flow characteristic curve.
The use of any other flow control will invalidate any design based on this data and could constitute a flood risk.

**Hydro
International**
A CRH COMPANY

DATE	25/10/2023 12:02
SITE	New Liskeard
DESIGNER	joe Lefaive
REF	Outlet

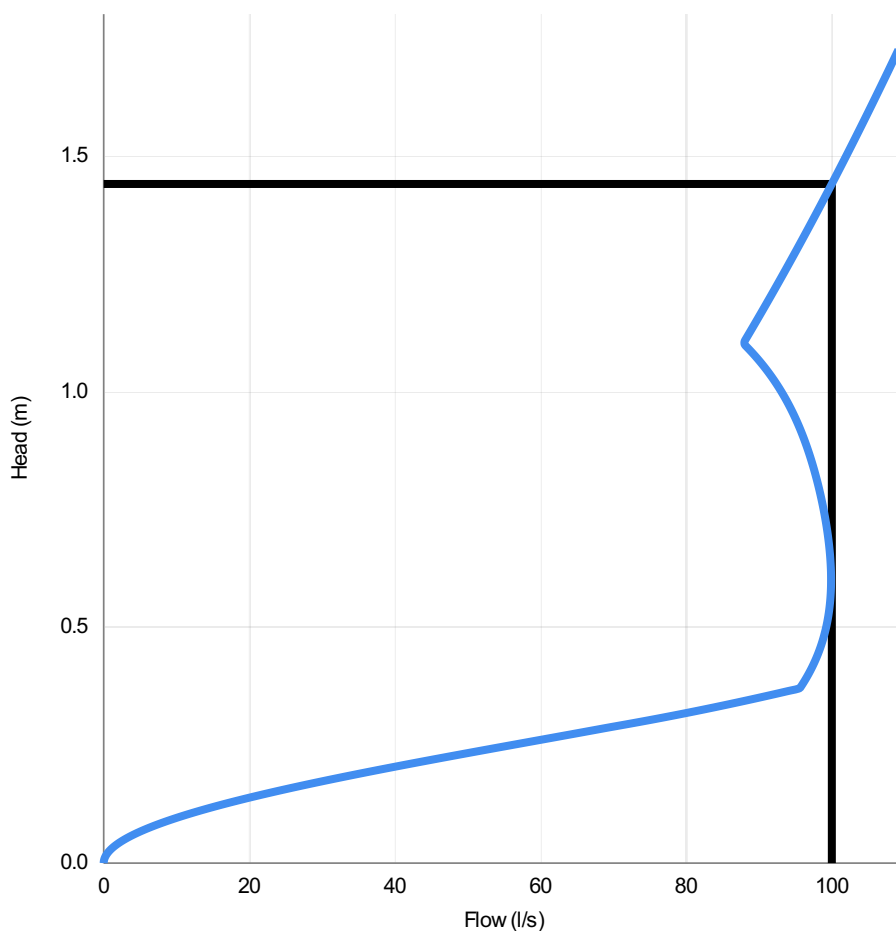
SHE-0389-1000-1440-1000
Hydro-Brake® Optimum

Technical Specification

Control Point	Head (m)	Flow (l/s)
Primary Design	1.440	100.000
Flush-Flo	0.601	99.897
Kick-Flo®	1.101	87.800
Mean Flow		81.381



hydro-int.com/patents



Head (m)	Flow (l/s)
0.000	0.000
0.050	2.797
0.099	10.681
0.149	22.777
0.199	38.066
0.248	55.315
0.298	73.095
0.348	89.066
0.397	96.668
0.447	98.182
0.497	99.167
0.546	99.711
0.596	99.896
0.646	99.791
0.695	99.454
0.745	98.929
0.794	98.237
0.844	97.375
0.894	96.313
0.943	94.992
0.993	93.322
1.043	91.187
1.092	88.445
1.142	89.363
1.192	91.224
1.241	93.047
1.291	94.833
1.341	96.585
1.390	98.303
1.440	99.992

DESIGN ADVICE



The head/flow characteristics of this SHE-0389-1000-1440-1000 Hydro-Brake Optimum® Flow Control are unique. Dynamic hydraulic modelling evaluates the full head/flow characteristic curve.

The use of any other flow control will invalidate any design based on this data and could constitute a flood risk.



DATE 25/10/2023 12:02

Site New Liskeard

DESIGNER joe Lefaive

Ref Outlet

SHE-0389-1000-1440-1000

Hydro-Brake Optimum®



November 2, 2023

720 Sheppard Avenue, Unit 3
Pickering, ON
L1V 1G5

Via Email: Khaliqpk@gmail.com

Attention: Abdul Khaliq

Re: **Engineering Services for Traffic Brief**
129 Davidson Street, New Liskeard
City of Temiskaming Shores, Ontario
D.M. Wills Project No. 23-4875

D.M. Wills Associates Limited (Wills) is pleased to submit the following Traffic Brief to support the proposed residential buildings on the land municipally known as 129 Davidson Street (Subject Property), in New Liskeard, City of Temiskaming Shores (City).

1.0 Roadway Existing Conditions

The Subject Property is located at the end of Dymond Crescent and to the east of Davidson Street as shown in **Figure 1**. The area surrounding the Subject Property is mostly residential with some commercial land uses. The conceptual site plan is attached in **Appendix A**.

Figure 1 – Aerial Snapshot of the Subject Property



(Approximate location, for illustration purposes only and not to scale)



The proposed development (Building B) will access the surrounding road network through Dymond Crescent (planned to be used as a private road) and Davidson Street to Broadwood Avenue. The proposed development (Building A) will have direct access to Davidson Street only; however, there will be a connection between both buildings for fire truck circulation purposes only.

The speed limit on Broadwood Avenue is 40 km/hr. Broadwood Avenue has a sidewalk on the north side with a curb and gutter. The existing intersection between Dymond Crescent and Broadwood Ave is operating as a T-intersection with a stop sign on the minor road (i.e., Dymond Crescent). Based on our desktop review, there is no painted pedestrian crossing at this intersection. Similarly, there is no pavement marking at the intersection of Davidson Street and Broadwood Ave, including no painted pedestrian crossing and no stop lines. The intersection of Davidson Street and Broadwood Ave. is controlled by all-way stop signs. Davidson Street has multiple driveways and connects less than 15 homes to Broadwood Ave. This means that the traffic on Davidson Street is significantly low.

As per the information provided by the client, Dymond Crescent to the southwest of Broadwood Ave is currently used by Northdale Manor Retirement Home for emergency purposes. This section of Dymond Crescent will continue to be used for emergency purposes by Northdale Manor Retirement Home after the full build out of the proposed development.

2.0 Existing and Planned Site Conditions

Currently, the Subject Property includes an existing former vacant school building on Davidson Street and the largest portion of the property is undeveloped as shown in Figure 1. This building will be demolished and replaced with the new development as shown in **Appendix A**. The new development is proposed to include two buildings. The first is a three-story building (Building B) that will house 53 units and the second two-story building (Building A) will include six units as shown in **Appendix A**. Accordingly, the total number of units is 59 units in two low-rise buildings. It is assumed that any gym or common areas within the buildings will be exclusively used by the residents of the buildings, which means that no additional traffic will be associated with these spaces.

3.0 Trip Generation and Anticipated Traffic Volumes

The estimation of trips generated by the proposed development was derived from the Trip Generation Manual, 11th Edition¹, published by the

¹ Trip Generation Manual, Vol. 1, 2, and 3, 11th ed. ITE, Washington, D.C., 2021.

Institute of Transportation Engineers (ITE). The ITE codes of the land use, which closely describe these two low-rise buildings and the corresponding trip generation rates are shown in **Table 1**. Also, the table shows the average trip generation rates for this land use for both the a.m. and the p.m. peaks and the percentages of entering and exiting during the peak hour of the adjacent street and the peak hour of the generator (i.e., the residential buildings).

Table 1 – Trip Generation Rates per Room during a.m. and p.m. Peak for a Multifamily Housing (Low-Rise) – ITE Land Use: 220

Peak Hour	a.m. Peak			p.m. Peak		
	Avg. Rate	Entering	Exiting	Avg. Rate	Entering	Exiting
Adjacent Street	0.4	24%	76%	0.51	63%	37%
Generator	0.47	24%	76%	0.57	62%	38%

The results summary of the new trips generated (rounded) is presented in **Table 2**. The trips were estimated based on the proposed number of units (i.e., 59 dwelling units) as shown in **Appendix A**.

Table 2 – The Estimated Entering and Exiting Trips during the a.m. and p.m. Peak Hours of Generators

Peak Hour	a.m. Peak			p.m. Peak		
	Avg. Rate	Entering	Exiting	Avg. Rate	Entering	Exiting
Adjacent Street	24	6	18	30	19	11
Generator	28	7	21	34	21	13

*Numbers may not add up due to rounding

As shown in the tables, the anticipated total number of trips to be generated is about 28 and 34 vehicular trips during the a.m. and the p.m. peak hours of the generator, respectively. These volumes are relatively low, especially when distributed on the surrounding road network and given that the proposed development can access Broadwood Avenue through either Dymond Crescent (which does not have any traffic currently) or Davidson Street (which has minimal traffic) as discussed above.

4.0 Conclusions and Recommendations

This Traffic Brief reviewed the expected traffic that the proposed development located at 129 Davidson Street in New Liskeard could generate after a full operation. The proposed development includes two residential buildings with 59 dwelling units in total. The proposed

development will have access to Broadwood Avenue through Dymond Crescent and Davidson Street. Based on the discussion provided in this brief, the development will generate – in a worst-case scenario – a total of 34 vehicles/hour including both entering and existing vehicles. This is a relatively low traffic volume and is not anticipated to impact the traffic operation in the area.

Based on the anticipated traffic generation and our desktop review, the following is recommended to ensure traffic safety and enhance operation in the area **regardless of the development:**

- Although the speed limit is 40 km/hr on Broadwood Ave and the low traffic safety risks, adding proper stop line pavement markings at the intersection of Broadwood Ave and Davidson Street is recommended to be considered by the City. The same applies to Broadwood Ave intersection with Maple Street and Dymond Crescent.
- The City should consider in its future plan a proper pedestrian connection between the south and north sides of Broadwood Ave to facilitate vulnerable road users' movements, especially at the intersection of Davidson Street to ensure system connectivity.
- The City should ensure that the vegetation on the southwest and southeast corners of Broadwood Ave and Dymond Crescent to be cut down to enhance the visibility on the horizontal curve on Broadwood Ave. This will be more important when the development is in operation.
- The City may consider in its future plan adding a sidewalk on the south side of Broadwood Ave to facilitate the residents' movement in the area.

With the development consideration, a stop sign on Dymond Crescent on the northbound once the development is in full operation will be needed.

Sincerely,

DRAFT – UNSIGNED

Mostafa Tawfeek Mohammed, Ph.D., P.Eng., PTOE, RSP1
Senior Traffic Engineer

MT
Attachments

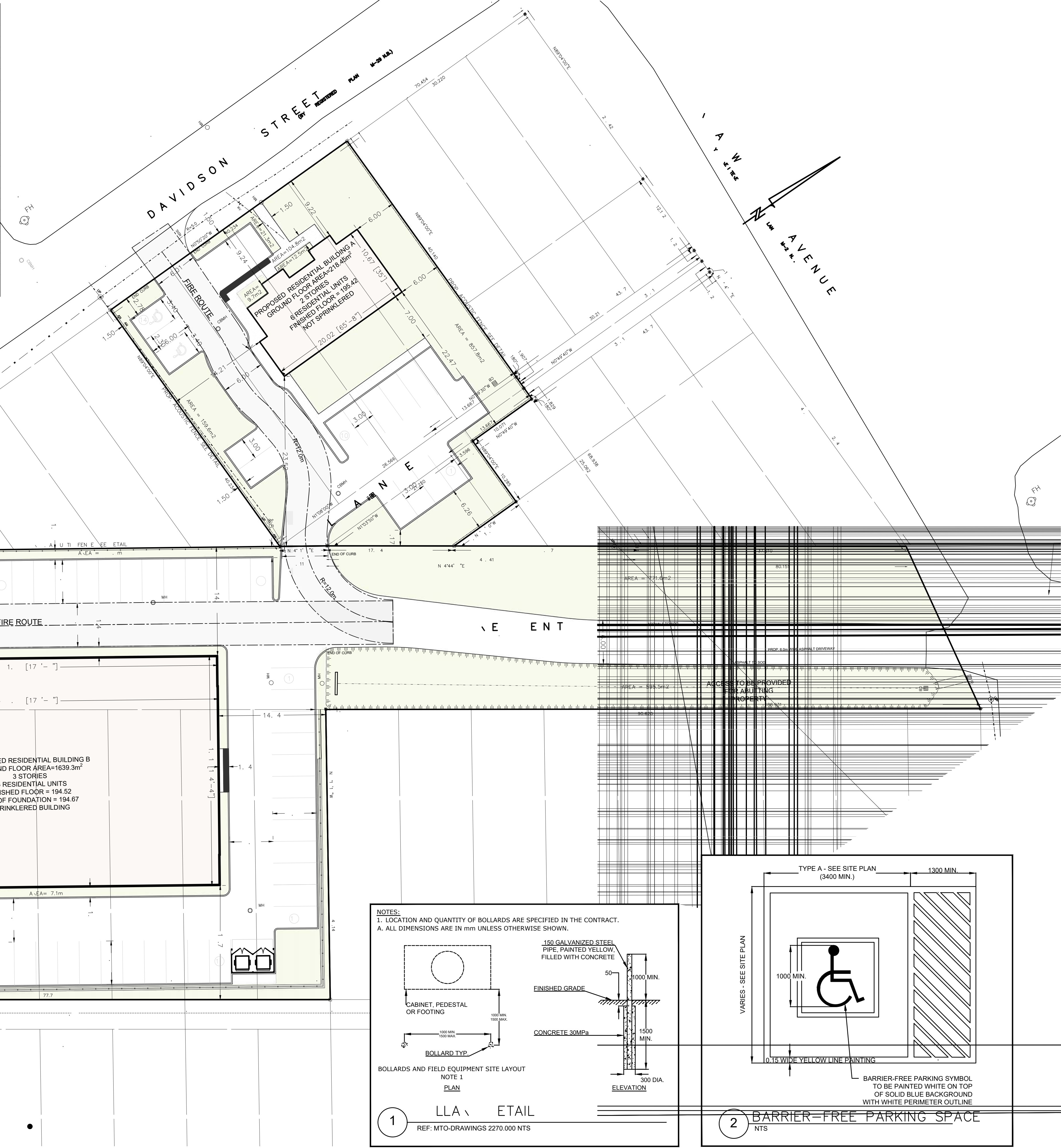
DRAFT

Appendix A

Site Plan



SITE STATISTICS			
	ZONING REQUIREMENTS	PROPOSED BUILDING A	PROPOSED BUILDING B
OFFICIAL PLAN CATEGORY	RESIDENTIAL NEIGHBOURHOOD	RESIDENTIAL NEIGHBOURHOOD	RESIDENTIAL NEIGHBOURHOOD
ZONING BY-LAW CATEGORY	HIGH DENSITY RESIDENTIAL (R4)	R4	R4
MINIMUM LOT AREA	1100.0m ²	1937.7m ²	7332.2m ²
MINIMUM LOT FRONTAGE	30.0m	40.2m	30.7m
TOTAL BUILDING AREA	---	218.45 m ²	1639.3m ²
MAXIMUM BUILDING HEIGHT	12.0m	12.0m MAXIMUM	12.0m MAXIMUM
MAXIMUM LOT COVERAGE	40%	11.2%	31%
MINIMUM LANDSCAPED SPACE	35%	1060.9m ² 54.7%	2420.1m² 33%
MINIMUM FRONT YARD SETBACK	6.0m	9.2m	17.4m
MINIMUM REAR YARD SETBACK	7.5m	22.4m	14.8m
MINIMUM INTERIOR SIDE YARD SETBACK	6.0m	6.0m	14.9m
MINIMUM EXTERIOR SIDE YARD SETBACK	7.5m	14.2m	15.1m
MAXIMUM NUMBER OF DWELLING UNITS (EXCLUDING SECOND DWELLING)	1 FOR EACH 120m ² OF LOT AREA	1937.7/6=322.9m ² PER UNIT	7332.2/53 = 138.3m ² PER UNIT
LANDSCAPE BUFFER (4.8)	1.5m	1.5m MINIMUM	1.5m MINIMUM
REQUIRED NUMBER OF PARKING SPACES	1 PER DWELLING UNIT	14 PROPOSED	62 PROPOSED
PARKING STALL DIMENSIONS (5.2.4)	3.0m X 6.0m	3.0m X 6.0m	3.0m X 6.0m
WIDTH OF AISLES (5.2.5)	6.0m	6.0m	6.0m
YARD REQUIREMENTS FOR PARKING (5.2.9)	1.5m OF A STREET LINE	1.5m MINIMUM	1.5m MINIMUM
WIDTH OF ACCESS RAMPS & DRIVEWAYS (5.2.6)	6.0m	6.0m	6.0m
ACCESSIBLE PARKING STALL DIMENSIONS	3.4m X 6.0m	3.4m X 6.0m	3.4m X 6.0m
ACCESSIBLE PARKING STALL AISLE DIMENSIONS	1.5m X 6.0m	1.5m X 6.0m	1.5m X 6.0m
REQUIRED NUMBER OF ACCESSIBLE SPACES	51-75=3 76-100=4	2 REQUIRED 2 PROPOSED	3 REQUIRED 4 PROPOSED



ACCESSIBLE PARKING SIGN



FIRE ROUTE SIGN



KEY PLAN

- NOTES
1. ALL TOPOGRAPHIC & SERVICE INFORMATION COMPILED FROM SURVEY DATA COMPLETED BY SURVEYORS ON SITE INC.
 2. THE POSITION & SIZE OF POLE LINES, CONDUITS, WATERMAINS, SEWERS & OTHER UNDERGROUND & ABOVE GROUND UTILITIES & STRUCTURES ARE NOT NECESSARILY SHOWN ON THE DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION & SIZE OF SUCH UTILITIES & STRUCTURES IS NOT GUARANTEED. BEFORE COMMENCING WORK, THE CONTRACTOR SHALL FAMILIARIZE HIMSELF OF THE EXACT LOCATION OF ALL SUCH UTILITIES & STRUCTURES & SHALL ASSUME ALL LIABILITY FROM DAMAGE TO SAME.
 3. NO PERSON SHALL CONSTRUCT OR DEMOLISH A BUILDING OR CAUSE A BUILDING TO BE CONSTRUCTED OR DEMOLISHED (INCLUDING SITE SERVICING) UNLESS A BUILDING PERMIT HAS BEEN ISSUED BY THE CHIEF BUILDING OFFICIAL.
 4. ABANDONED ENTRANCES TO BE REMOVED AND CURBS / SIDEWALKS RESTORED AS REQUIRED
 5. ACCESSIBLE PARKING SPACES TO BE INDICATED WITH PAINTED SYMBOL ON ASPHALT AND EITHER POLE-MOUNT OR BUILDING-MOUNT SIGNS AS PER IMAGE BELOW & IN ACCORDANCE WITH LOCAL BY-LAWS
 6. THE OWNER IS RESPONSIBLE FOR THE REMOVAL OF SNOW OFF SITE, AS REQUIRED, TO AVOID ANY CONFLICTS WITH TRUCK MANEUVERING FROM THE LOADING SPACE
 7. ALL WORKS INVOLVED IN THE CONSTRUCTION, RELOCATION AND REPAIR OF MUNICIPAL SERVICES FOR THE PROPOSED DEVELOPMENT SHALL BE TO THE SATISFACTION OF THE GENERAL MANAGER OF PUBLIC WORKS.
 8. STREET EXCAVATION PERMITS ARE REQUIRED FOR ANY WORK IN CITY RIGHT OF WAY BY ANY CONTRACTOR.
 9. PRIVATE OWNER/DEVELOPER IS RESPONSIBLE FOR ALL SERVICING, UTILITIES & COSTS.
 10. REMOVE CURB & POUR NEW CURB FOR ANY NEW DRIVEWAYS OR DRIVEWAYS TO BE ABANDONED
 11. STORM WATER DRAINAGE MUST NOT HAVE A NEGATIVE IMPACT ON ADJACENT PROPERTIES.
 12. DRIVEWAY SLOPES MUST BE 8% MAXIMUM, AND SIDEWALK CROSS FALL 2% TO 4% MAXIMUM.
 13. NO PERSON SHALL CAUSE OR PERMIT ALTERATION OF A SITE IN THE MUNICIPALITY, WITHOUT HAVING FIRST OBTAINED A SITE ALTERATION PERMIT.

1	SUBMISSION 1	2023.10.27	CHM
0	INITIAL RELEASE	2023.08.08	--
REV.	DESCRIPTION	DATE	APPROV BY

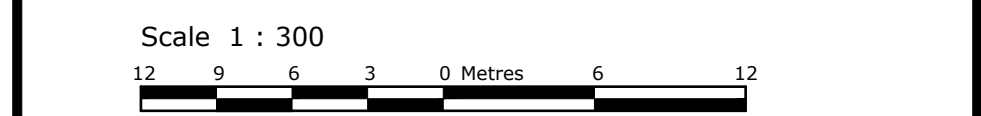
PROJECT

PROPOSED SITE PLAN OF

ALL OF LOTS 215-222, 228-231, 235-236
PART OF LOTS 223 & PART OF LANE
REGISTERED PLAN M-29 N.B.
GEOGRAPHIC TOWNSHIP OF DYMOND
DISTRICT OF TIMISKAMING

129 DAVIDSON STREET
NEW LISKEARD, ONTARIO

CITY FILE NO. NA



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2844371 ONTARIO INC
1725 THORNTON ROAD NORTH
OSHAWA, ONTARIO

DRAWN	CHECKED	DATE
CHM	JAB	2023.08.08
SHEET		
SITE PLAN		
DRAWING NO.	REV.	
232602 - V101	1	

SURVEY SYMBOLS		STORM, SANITARY, WATER SERVICE SYMBOLS		FIRE HYDRANT		MANHOLE - SANITARY		UTILITY SERVICES SYMBOLS		GRADING SYMBOLS		OTHER SYMBOLS		UNDERGROUND SERVICES		DRAWING DATA	
■ FOUND MONUMENTS	L REGISTERED PLAN	INV = ## PIPE INVERT DIM.	W WATER VALVE	HY FIRE HYDRANT	MH-T MANHOLE - STORM	MH-T MANHOLE - STORM	MH-T MANHOLE - STORM	V GAS VALVE	UY HYDRO GUIDE WIRE	EXISTING GRADE (m)	TREELINE	FLAG POLE	DECATIVATED POLE	UNDERGROUND SERVICES	DRAWN	CHECKED	DATE
○ SET MONUMENTS	U ORIGIN UNKNOWN	W WATER VALVE	W WATER VALVE	○ I TEST HOLE	MH-T MANHOLE - STORM	MH-T MANHOLE - STORM	MH-T MANHOLE - STORM	MK GAS MARKER	UY HYDRO GUIDE WIRE	PROPOSED GRADE (m)	TRAFFIC SIGN	○ L1	○ L1	UNDERGROUND SERVICES	CHM	JAB	2023.08.08
I IRON BAR	M MEASURED	W WATER VALVE	W WATER VALVE	○ I TEST HOLE	MH-T MANHOLE - STORM	MH-T MANHOLE - STORM	MH-T MANHOLE - STORM	U UTILITY POLE	UY HYDRO GUIDE WIRE	BC = BOTTOM OF CURB TC = TOP OF CURB BW = BOTTOM OF WALL TW = TOP OF WALL SW = SWALE	RAILWAY SIGN	○ L1	○ L1	UNDERGROUND SERVICES			
I STD. IRON BAR	V PROPORTIONED	W WATER VALVE	W WATER VALVE	○ I TEST HOLE	MH-T MANHOLE - STORM	MH-T MANHOLE - STORM	MH-T MANHOLE - STORM	U UTILITY POLE	UY HYDRO GUIDE WIRE		RAILWAY SIGN	○ L1	○ L1	UNDERGROUND SERVICES			
I SHORT STD. IRON BAR	WITNESS	W WATER VALVE	W WATER VALVE	○ I TEST HOLE	MH-T MANHOLE - STORM	MH-T MANHOLE - STORM	MH-T MANHOLE - STORM	U UTILITY POLE	UY HYDRO GUIDE WIRE		RAILWAY SIGN	○ L1	○ L1	UNDERGROUND SERVICES			
CUT CROSS	WT WITNESS	W WATER VALVE	W WATER VALVE	○ I TEST HOLE	MH-T MANHOLE - STORM	MH-T MANHOLE - STORM	MH-T MANHOLE - STORM	U UTILITY POLE	UY HYDRO GUIDE WIRE		RAILWAY SIGN	○ L1	○ L1	UNDERGROUND SERVICES			
N W NAIL & WASHER	oi IRON PIPE	W WATER VALVE	W WATER VALVE	○ I TEST HOLE	MH-T MANHOLE - STORM	MH-T MANHOLE - STORM	MH-T MANHOLE - STORM	U UTILITY POLE	UY HYDRO GUIDE WIRE		RAILWAY SIGN	○ L1	○ L1	UNDERGROUND SERVICES			
		W WATER VALVE	W WATER VALVE	○ I TEST HOLE	MH-T MANHOLE - STORM	MH-T MANHOLE - STORM	MH-T MANHOLE - STORM	U UTILITY POLE	UY HYDRO GUIDE WIRE		RAILWAY SIGN	○ L1	○ L1	UNDERGROUND SERVICES			
		W WATER VALVE	W WATER VALVE	○ I TEST HOLE	MH-T MANHOLE - STORM	MH-T MANHOLE - STORM	MH-T MANHOLE - STORM	U UTILITY POLE	UY HYDRO GUIDE WIRE		RAILWAY SIGN	○ L1	○ L1	UNDERGROUND SERVICES			
		W WATER VALVE	W WATER VALVE	○ I TEST HOLE	MH-T MANHOLE - STORM	MH-T MANHOLE - STORM	MH-T MANHOLE - STORM	U UTILITY POLE	UY HYDRO GUIDE WIRE		RAILWAY SIGN	○ L1	○ L1	UNDERGROUND SERVICES			
		W WATER VALVE	W WATER VALVE	○ I TEST HOLE	MH-T MANHOLE - STORM	MH-T MANHOLE - STORM	MH-T MANHOLE - STORM	U UTILITY POLE	UY HYDRO GUIDE WIRE		RAILWAY SIGN	○ L1	○ L1	UNDERGROUND SERVICES			
		W WATER VALVE	W WATER VALVE	○ I TEST HOLE	MH-T MANHOLE - STORM	MH-T MANHOLE - STORM	MH-T MANHOLE - STORM	U UTILITY POLE	UY HYDRO GUIDE WIRE		RAILWAY SIGN	○ L1	○ L1	UNDERGROUND SERVICES			
		W WATER VALVE	W WATER VALVE	○ I TEST HOLE	MH-T MANHOLE - STORM	MH-T MANHOLE - STORM	MH-T MANHOLE - STORM	U UTILITY POLE	UY HYDRO GUIDE WIRE		RAILWAY SIGN	○ L1	○ L1	UNDERGROUND SERVICES			
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		W WATER VALVE	W WATER VALVE	○ I TEST HOLE	MH-T MANHOLE - STORM	MH-T MANHOLE - STORM	MH-T MANHOLE - STORM	U UTILITY POLE	UY HYDRO GUIDE WIRE		RAILWAY SIGN	○ L1	○ L1	UNDERGROUND SERVICES			
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Application for a Zoning By-law Amendment

Notice of Complete Application And Notice of Statutory Public Hearing

Under Section 34 of the Planning Act, R.S.O. 1990 c.P.13

The City of Temiskaming Shores has received the following application to amend the City of Temiskaming Shores Zoning By-law:

File #: ZBA-2023-03
Owner: Abdul Khaliq and 2844371 Ontario Inc.
Applicant: JK Development GP2 Limited
Property: 121 Davidson Street, portion of Dymond Crescent, and adjacent lands to the southeast

A public meeting will be held to consider the minor variance application:

Date: Tuesday, December 5, 2023
Time: 3:00 p.m.
Place: Council Chambers at City Hall, 325 Farr Drive, Haileybury
Please contact the undersigned for alternative participation options

The applicant is proposing to rezone the subject land from Community Facilities (CF) to High Density Residential Exception (R4-#) to allow for the development of a 6-unit residential building fronting on Davidson Street in Phase 1, and the development of a multi-unit apartment building on a portion of the Dymond Crescent road allowance (sale approved by Council on March 21, 2023, subject to the approval of a zoning by-law amendment application, approval of a site plan agreement, and the registration of any easements required by the municipality and external agencies) and the adjacent lands to the southeast in Phase 2. The purpose of the exception is to allow a reduction in the required landscaped area for the proposed Phase 2 development from 35% to 30%.

The applicant has included the entire portion of the Dymond Crescent road allowance between Broadwood Avenue and the southern terminus in the site plan. An additional land disposal process will be required for the portion that was not included in the original request.

The property is designated Residential Neighbourhood in the City of Temiskaming Shores Official Plan.

Any person may attend the public meeting and/or make written or verbal presentation to express support of, or opposition to, this application. If you are aware of any person who may be affected by this application, who has not received a copy of this notice, it would be appreciated if you would inform them of the application.

Written comments on this application may be forwarded to the City prior to the hearing.

If you are receiving this notice as the owner of a multi-unit residential building, please post this notice in a location that is visible to all of the residents.

If you wish to be notified of the decision of the City of Temiskaming Shores on the proposed Zoning By-law Amendment, you must make a written request to the City of Temiskaming Shores at the address below.

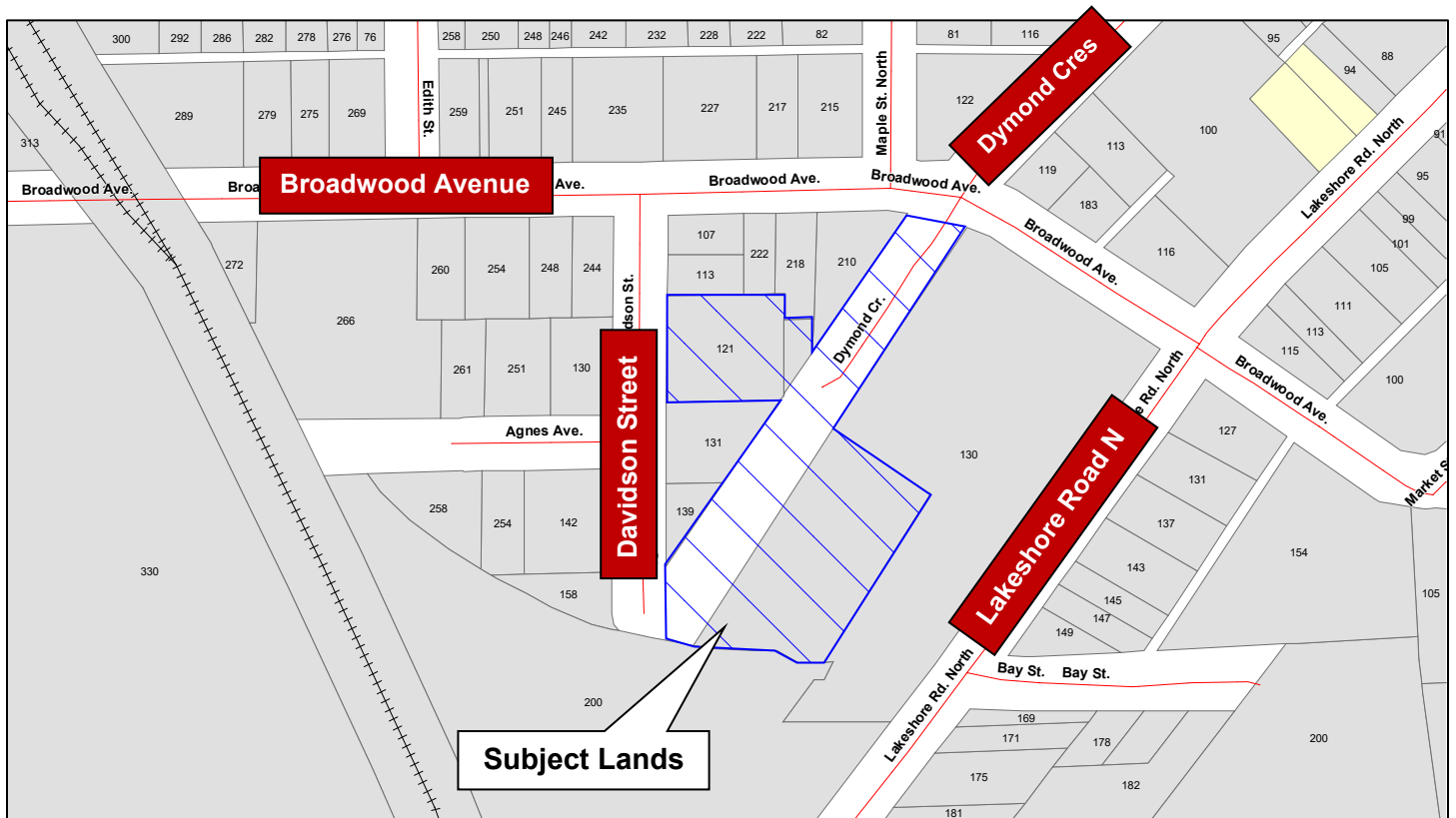
If a person or public body would otherwise have an ability to appeal the decision of the Council of the City of Temiskaming Shores to the Local Planning Appeal Tribunal but the person or public body does not make oral submissions at a public meeting or make written submissions to the City of Temiskaming Shores before the by-law is passed, the person or public body is not entitled to appeal the decision.

If a person or public body does not make oral submissions at a public meeting, or make written submissions to the City of Temiskaming Shores before the by-law is passed, the person or public body may not be added as a

party to the hearing of an appeal before the Local Planning Appeal Tribunal unless, in the opinion of the Tribunal, there are reasonable grounds to do so.

Additional information pertaining to the application is available by contacting the undersigned.

Key Map



Dated this 15th day of November, 2023.

Jennifer Pye, MCIP, RPP
Planner
City of Temiskaming Shores
325 Farr Drive, PO Box 2050
Haileybury, ON P0J 1K0
Tel: 705-672-3363 ext. 4105
jpye@temiskamingshores.ca

Re Zoning Comment Summary

- 1) My preference would be medium-density zoning that is consistent with the rest of the established neighbourhood. I would, however, also consider supporting a high-density zoning designation if the City were to reduce the number of units that are permitted on the Phase 2 property to a more reasonable amount (ie 20). As you heard from the local residents there will be a considerable increase in the amount of traffic as well as noise and light pollution in the area and a loss of privacy. I would be supportive of reducing the number of units to a more reasonable number in consultation with the City and the developer. This would allow for the number of stories to be reduced as well as the overall footprint of the building, while promoting the greenspace surrounding the structures. Based on a review of the building this past summer I would also like to see more 2- and 3-bedroom apartments proposed to promote families moving to the area. (Miriam)

Thank you for your comment. The developer is choosing to move ahead with an R4 Zoning and will develop the site with the R4 Zoning regulations. Regarding internal apartment design and the number of bedrooms per unit, the above suggestion will be taken into consideration by the developer but understand that they may choose a different path.

- 2) Can the existing properties in fronting on Davidson, located between the Phase 1 and Phase 2 sites be squared off and/or follow the fence line of the existing school? (abutting property beside school fronting on Davidson)

No, due to the existing topography and the need for road access, these properties cannot be squared off.

- 3) The Manor requires access to the existing driveway

This will be included in the site plan drawings and the Owner has no problem with the Manor using a 6m wide driveway. A culvert will need to be installed to accommodate the proposed storm drainage and the driveway may need to be reworked.

- 4) Has Lakeshore access been considered?

Lakeshore access was considered but due to the topography this is not feasible

- 5) Traffic concerns

Please see the included traffic study. Traffic will be on Davison and Broadwood.

- 6) Trees, privacy, fencing, noise, lights

A board-on-board noise fence is being proposed next to the residential properties to reduce the impact of noise, car lights, and privacy. Trees will be removed on the subject lands and new trees will be replanted. For lighting a photometric plan will be completed as part of the site plan.

- 7) The Council requested that we amend the rezoning to meet the Zoning By-law.

The Owner will meet the 35% landscaped area. Please feel free to remove the special zone for the 33%

- 8) Davidson Street property existing shed

As per the site plan drawings, the existing shed is angled out the subject property and will remain

- 9) Davison Street properties

If the Developer would like to purchase these houses please contact the property owners. This information has been passed on to the Developer

10) Concern about housing values

No housing values are expected to decrease as a result of the new development.

11) Existing property owners noted that they have existing sanitary issues on Davidson.

Thank you for the information.

Jennifer Pye

From: Bree Andrews <[REDACTED]>
Sent: Tuesday, December 5, 2023 10:33 PM
To: Jennifer Pye
Subject: Zoning Change

Hi Jennifer,

I am following up on our conversation today regarding the proposed changes from an institutional zoning to a high-density zoning in the area of Broadwood Ave and Davidson Street.

I attended the meeting last summer that was hosted by the developer and provided a number of questions, concerns and requests to the developer, as did others from the area. I was led to believe that the developer would follow up on the information requests with the contact information that was provided. To date I have not received any follow up which is unfortunate.

I appreciate the opportunity to provide my questions and concerns to the City. As indicated today I have concerns about the proposed zoning changes and the lack of communication from the developer.

My preference would be medium density zoning that is consistent with the rest of the established neighbourhood. I would, however, also consider supporting a high-density zoning designation if the City were to reduce the number of units that are permitted on the Phase 2 property to a more reasonable amount (ie 20). As you heard from the local residents there will be a considerable increase in the amount of traffic as well as noise and light pollution in the area and a loss of privacy. I would be supportive of reducing the number of units to a more reasonable number in consultation with the City and the developer. This would allow for the number of stories to be reduced as well as the overall footprint of the building, while promoting the greenspace surrounding the structures. Based on a review of the building this past summer I would also like to see more 2- and 3-bedroom apartments proposed to promote families moving to the area.

I appreciate you considering my input and look forward to hearing from you. Could you please confirm that you have received this email?

Regards,

Miriam

Jennifer Pye

From: John McRae [REDACTED]
Sent: Wednesday, December 6, 2023 8:25 PM
To: Jennifer Pye
Subject: New Development

Hi Jennifer

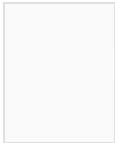
My name is John McRae I live at [REDACTED] New Liskeard, ON P0J 1P0, Canada

I have some concerns about the size and the amount of units that are going to be built behind my place. I feel that would take away our privacy the main reason we bought this place was because our backyard has a lot of privacy.

I realize there is a housing shortage but it would be greatly appreciated if the size and the height of this building could be reduced to give me and my neighbors privacy.

[REDACTED] As of now no one can see in our backyard and with such a high building we will have no privacy at all.

Thank you John and Heather McRae



Comments regarding 129 Davidson Street/ Dymond Cres.

Hello Candice,

Thank you for presenting last night to our council meeting last night. I would like to add a couple of points for your consideration.

1. The City of Temiskaming Shores is working at improving our transit system. (I am on the transit Committee) . The proposed development is close to the transit system which provides residents with an opportunity to easily access the bus stop on Lakeshore. In your initial plans there is not a sidewalk on Dymond crescent from the 53-unit apartment to Broadwood. I feel that this is important to improve access for those who will walk to the bus stop. Sidewalks provide a safer environment and an improved level of service for those on foot, and I would ask that you consider adding this to your design.
2. Active travel is also an area that we continue to work on here at the City of Temiskaming Shores. We are looking at ways to continue to encourage residents to use bicycles. I would suggest that there be some provision in your development plan for bicycle parking. This may take the form of a designated area inside the buildings or a covered parking area with bike racks near the building.

Thank you. I look forward to further discussion in the future regarding your plans.

Mark Wilson

Councillor

City of Temiskaming Shores

Jennifer Pye

From: Mark Wilson [REDACTED]
Sent: Wednesday,
To: Jennifer Pye
Subject: Comments re Dymond Cres.
Attachments: Comments regarding 129 Davidson Street.docx

Hi Jennifer,

Thanks for meeting with me yesterday.

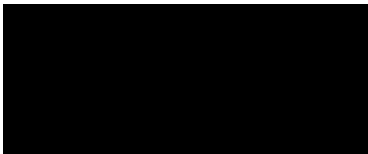
Attached are a few more comments from me regarding the project. Matt and I discussed these points.

If you could pass them on it would be appreciated.

Thanks

Mark

Mark Wilson CRSP (NP)
Resource Member
GEMS Committee
Temiskaming Shores, ON





Board of Directors

Chair:

Doug Walsh

Vice Chair:

Tom Cambridge

Treasurer:

Patricia Willard-Inglis

Secretary:

Erin Montgomery

Maire Alexander

Nancy Pedersen

Jamie Hawken

Natalie Rivet

Karen Woods

Rick Lavictoire

November 30, 2023

City of Temiskaming Shores

Re: Dymond Crescent

We have received and carefully reviewed your application for the re-zoning of the city-owned property located adjacent to Northdale Manor. We appreciate your efforts in presenting a comprehensive proposal for the intended use of the property.

Upon review, it has come to our attention that the proposed re-zoning may have implications for the existing access to the laneway behind Northdale Manor. As you are aware, this laneway is crucial for our ongoing operations, specifically for equipment maintenance and related activities.

Our position is that we would like to retain uninterrupted access to the laneway to ensure the continued functionality of Northdale Manor. This access is vital for the maintenance and servicing of equipment necessary for the well-being and safety of our residents.

In light of this, we kindly request that you consider the following points as part of the re-zoning proposal:

1. **Laneway Access:**
 - We request that provisions be made in the re-zoning plan to guarantee our continued access to the laneway behind Northdale Manor for equipment maintenance and related activities.
2. **Mitigation Measures:**
 - If there are any proposed changes to the laneway or access points, we ask that you outline mitigation measures to minimize disruptions to our operations.
3. **Consultation and Collaboration:**
 - We are open to engaging in further discussions to explore collaborative solutions that accommodate both the proposed development and our need for continued laneway access.

We understand the importance of urban development and support initiatives that enhance the community. However, we believe that with thoughtful consideration, a balance can be achieved to ensure the coexistence of new developments and existing facilities.

We look forward to the opportunity to discuss these matters further and find a mutually beneficial solution. Please feel free to contact us at your earliest convenience to arrange a meeting to address any concerns or questions.

Thank you for your attention to this matter, and we appreciate your understanding of the importance of maintaining the functionality of Northdale Manor.

Sincerely,

A handwritten signature in blue ink, appearing to read "Trisha Hopkins", with a stylized flourish at the end.

Trisha Hopkins on behalf of Northdale Manor Board of Directors



555 Oak Street East
North Bay, Ontario
P1B 8L3

555, rue Oak Est
North Bay (Ontario)
P1B 8L3

Tel: 1-800-363-7512
www.ontarionorthland.ca

SENT VIA EMAIL (jpye@temiskamingshores.ca)

November 28, 2023

The City of Temiskaming Shores
325 Farr Drive, P.O. Box 2050
Haileybury, ON P0J 1K0

Attention: Jennifer Pye, Planner

Dear Jennifer:

RE: Application for a Zoning By-Law Amendment (File No. ZBA-2023-03)

We acknowledge receipt of the public notice regarding the above referenced Application for a Zoning By-Law Amendment. Ontario Northland Transportation Commission (ONTC) has now had the opportunity to review and has the following comments.

ONTC has a rail right-of-way in proximity of the subject property. This letter will serve as notice to the applicant that the operation of the railway will produce noise and vibration. The applicant(s) will not be entitled to make any complaint or claim against ONTC for nuisance or otherwise relating to the operation of the railway in proximity to the subject property.

There may be alternations to or expansion of the rail facilities on such right-of-way in the future including the possibility that ONTC may expand its operations. Notwithstanding the inclusion of any noise and vibration attenuating measures, ONTC will not be responsible for any complaints or claims arising from operations on, over and under the rail right-of-way.

Given the proximity of the property to the ONTC mainline, we are requesting that the enclosed Guidelines for Development in Proximity to Ontario Northland Railway Operations be considered in any planning applications for future development of the property.

Finally, with respect to subsection 4(k) of the Application for Zoning By-Law Amendment, we wish to confirm that Ontario Northland does operate an active rail line within 500 metres of the subject land, which the applicant failed to note.

Yours very truly,

A handwritten signature in blue ink that reads "Lyndee Cicalo".

Lyndee Cicalo
Legal Counsel
T: 705-472-4500 Ext. 454
E: lyndee.cicalo@ontarionorthland.ca

August 2022

Guidelines for Development in Proximity to Ontario Northland Railway Operations

New Residential Development – Building Setbacks

Freight Rail Yard: 300 metres
Principle Main Line: 30 metres
Secondary Main Line: 30 metres
Principle Branch Line: 15 metres
Secondary Branch Line: 15 metres
Spur Line: 15 metres

Setback distances are measured from the property line of the railway land to the building face.

Setbacks may be reduced by up to 5 metres if the height of the safety berm is increased or a crash wall is constructed (note – this is generally for developments adjacent to the railway operations).

Sensitive Use Development – Noise Mitigation

Noise Impact Studies should be required where the development of a sensitive use is within the minimum noise influence areas:

Freight Rail Yard: 1,000 metres
Principal Main Line: 300 metres
Secondary Main Line: 250 metres
Principal Branch Line: 150 metres
Secondary Branch Line: 75 metres
Spur Line: 75 metres

Proponents should consult section 2.4 of the Canadian Transportation Agency report Railway Noise Measurement and Reporting Methodology for guidance on the recommended content and format of a noise impact study.

Site design should take into consideration the location of the rail corridor, existing sound levels, topography, and nearby buildings. Noise barriers, acoustic shielding from other structures, and the use of appropriate windows, doors, ventilation, and façade materials can all minimize the acoustic impacts of railway operations.

All Development – Vibration Mitigation

Vibration studies should be undertaken if the development is within the minimum vibration influence area of 75 metres from a railway corridor or rail yard.

All Development Adjacent to the Rail Right-of-Way – Safety Barriers

Where full setbacks are provided, safety barriers are constructed as berms for properties that are adjacent to the rail right-of-way. Where full setbacks are not provided, safety barriers may be constructed as crash walls.

All Development Adjacent to the Rail Right-of-Way – Security Fencing

Developments adjacent to the rail right-of-way must, at a minimum, include a 1.83 metre high chain link fence along the entire mutual property line, to be constructed by the owner entirely on private property.

All Development Adjacent to the Rail Right-of-way - Stormwater Management and Drainage

The proponent should consult with the affected railway regarding any proposed development that may have impacts on existing drainage patterns.

Development should not discharge or direct stormwater, roof water, or floodwater onto a railway corridor.

Any proposed alterations to existing rail corridor drainage patterns must be substantiated by a suitable drainage report, as appropriate.

Any development-related changes to drainage must be addressed using infrastructure and/or other means located entirely within the confines of the subject development site.

Stormwater or floodwater flows should be designed to:

- maintain the structural integrity of the railway corridor infrastructure;
- avoid scour or deposition; and prevent obstruction of the railway corridor as a result of stormwater or flood debris.

Jennifer Pye

From: Richard Wink [REDACTED]
Sent: Tuesday, December 12, 2023 9:36 PM
To: Jennifer Pye
Subject: rezoning of subject land file # ZBA -2023-03

Jennifer, I am writing this correspondence in regards to the high Density Residential exception (R4-#) the town is reviewing for the development of a 6 unit residential building in phase 1 and an apparent 53 unit apartment building in phase 2 of the project.

The idea that high density housing is a bargain is not necessarily true because everything from sound insulation to the finish on the communal stairs to the management of the finished building has to be high quality.

My concerns are as follows :

The public meeting held on July 24, 2023 had many questions that were asked and answers were promised by the representative on site by submitted e-mails listed on their form, None of these answers have ever been forthcoming thus some consternation .

During the council meeting the owners representative quickly reviewed the application without any mention of the concerns raised at the Community meeting in July.

I am in total agreement with Phase 1, one of the project and can understand the requirement for additional housing to accommodate the ongoing country wide problem. In saying that , does not mean I have to just play along and follow the leader in this regard. I do believe the number of units for phase 2 are too numerous for the intended area, given the certain numerous possible adverse effects on the neighborhood, such as traffic, safety and noise. For traffic, a very awkward intersection of 2 side streets intersecting at the crest of a hill on Broadwood Avenue , and now 1 new one to be added at a possible hazardous angle with large amounts of traffic to be expected from the proposed high density development, which is already designated as a truck route, would appear undesirable.

I do have large reservation on the proposed size of this development, 53 +/- units is a large footprint for this area, apparently only 3 floors in height which could be a large negative effect on the surrounding quite residential neighborhood and their quiet and private backyards

I have concerns also on the strain to the cities ability to maintain its level of service of the surrounding infrastructure including sewer, water, maintenance without having to upgrade these items at the cities cost to appease this application for more housing.

I am also a firm believer that the community presentation should have been completed again at the cities committee of the whole meeting. to ensure everyone was in complete understanding of the situation. The developer should have submitted a reason for the wanting a reduction in the required landscape area from m 35% to 30 % (or 33% rounded) I do understand that this is purely a calculation but....A question I had thought arouse on the number of parking spots available for the 53 unit building, and was mentioned 1 for 1 apparently the presentation attached to the minutes clearly indicate how many spots have been considered 62 for the phase 2 and **16 spaces for phase 1 with 6 units.**

Thank you for allowing me to voice my concerns

Richard Wink
[REDACTED]

Jennifer Pye

From: TC Energy [REDACTED]
Sent: Monday, November 20, 2023 10:54 AM
To: Jennifer Pye
Subject: FW: Trans Canada Mail
Attachments: DOC111723.pdf; DOC111723.pdf

Good morning,

On behalf of TransCanada Pipelines Ltd. (TCPL) we do not have any comments or concerns for the attached files. Would you please update our mailing address and email for future correspondence:

Email: TCEnergy@mhbcplan.com

Burlington Office:

MHBC Planning, Urban Design & Landscape Architecture
442 Brant Street
Suite 204
Burlington, ON
L7R 2G4

Regards,

Aleksandra Skrzat, BA | Planner

MHBC Planning, Urban Design & Landscape Architecture

442 Brant Street, Suite 204 | Burlington | ON | L7R 2G4 | T 905 639 8686 x 224 | C 905 746 1128 |
askrzat@mhbcplan.com

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From: Tanya Martinez <tmartinez@mhbcplan.com>
Sent: November-17-23 4:08 PM
To: TC Energy <tcenergy@mhbcplan.com>
Subject: Trans Canada Mail

Good afternoon,

Please see attached.

Thank you,

TANYA MARTINEZ | Administrative Assistant

MHBC Planning, Urban Design & Landscape Architecture

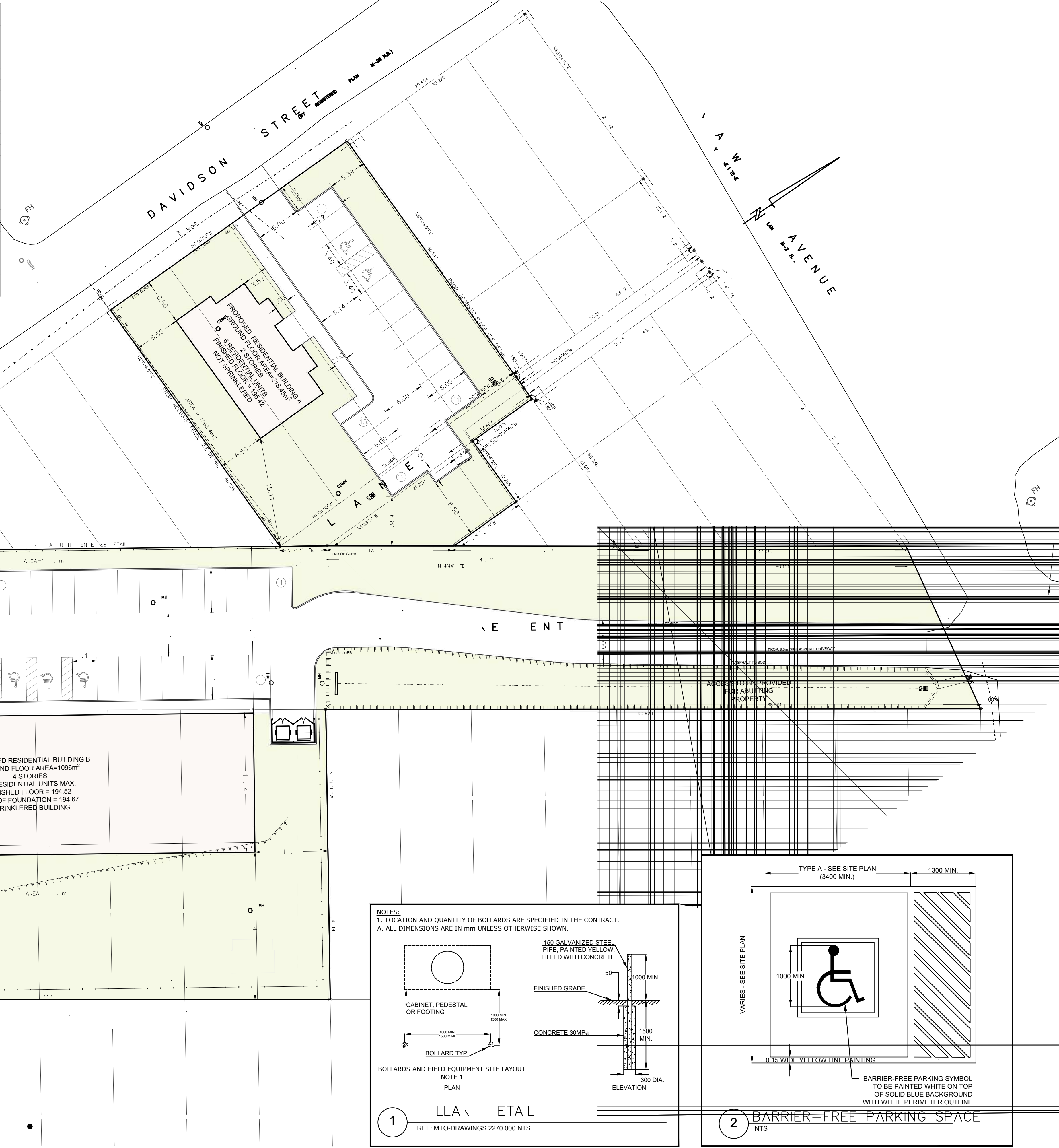
113 Collier Street | Barrie | ON | L4M 1H2 | T 705 728 0045 x 221 | F 705 728 2010 |
tmartinez@mhbcplan.com

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SITE STATISTICS			
	ZONING REQUIREMENTS	PROPOSED BUILDING A	PROPOSED BUILDING B
OFFICIAL PLAN CATEGORY	RESIDENTIAL NEIGHBOURHOOD	RESIDENTIAL NEIGHBOURHOOD	RESIDENTIAL NEIGHBOURHOOD
ZONING BY-LAW CATEGORY	HIGH DENSITY RESIDENTIAL (R4)	R4	R4
MINIMUM LOT AREA	1100.0m ²	1937.7m ²	7332.2m ²
MINIMUM LOT FRONTAGE	30.0m	40.2m	30.7m
TOTAL BUILDING AREA	---	218.45 m ²	1096m ²
MAXIMUM BUILDING HEIGHT	12.0m	12.0m MAXIMUM	12.0m MAXIMUM
MAXIMUM LOT COVERAGE	40%	11.2%	15%
MINIMUM LANDSCAPED SPACE	35%	1063.4m ² 54.9%	3663.9m ² 49%
MINIMUM FRONT YARD SETBACK	6.0m	9.2m	23.0m DAVIDSON STREET
MINIMUM REAR YARD SETBACK	7.5m	22.4m	10.0m
MINIMUM INTERIOR SIDE YARD SETBACK	6.0m	6.0m	20.6m
MINIMUM EXTERIOR SIDE YARD SETBACK	7.5m	14.2m	19.7m
MAXIMUM NUMBER OF DWELLING UNITS (EXCLUDING SECOND DWELLING)	1 FOR EACH 120m ² OF LOT AREA	1937.7/6=322.9m ² PER UNIT	7332.2/53 = 138.3m ² PER UNIT
LANDSCAPE BUFFER (4.8)	1.5m	1.5m MINIMUM	1.5m MINIMUM
REQUIRED NUMBER OF PARKING SPACES	1 PER DWELLING UNIT	15 PROPOSED	54 PROPOSED
PARKING STALL DIMENSIONS (5.2.4)	3.0m X 6.0m	3.0m X 6.0m	3.0m X 6.0m
WIDTH OF AISLES (5.2.5)	6.0m	6.0m	6.0m
YARD REQUIREMENTS FOR PARKING (5.2.9)	1.5m OF A STREET LINE	1.5m MINIMUM	1.5m MINIMUM
WIDTH OF ACCESS RAMPS & DRIVEWAYS (5.2.6)	6.0m	6.0m	6.0m
ACCESSIBLE PARKING STALL DIMENSIONS	3.4m X 6.0m	3.4m X 6.0m	3.4m X 6.0m
ACCESSIBLE PARKING STALL AISLE DIMENSIONS	1.5m X 6.0m	1.5m X 6.0m	1.5m X 6.0m
REQUIRED NUMBER OF ACCESSIBLE SPACES	51-75=3 76-100=4	2 REQUIRED 2 PROPOSED	3 REQUIRED 4 PROPOSED



ACCESSIBLE PARKING SIGN



FIRE ROUTE SIGN



KEY PLAN

- NOTES**
- ALL TOPOGRAPHIC & SERVICE INFORMATION COMPILED FROM SURVEY DATA COMPLETED BY SURVEYORS ON SITE INC.
 - THE POSITION & SIZE OF POLE LINES, CONDUITS, WATERMAINS, SEWERS & OTHER UNDERGROUND & ABOVE GROUND UTILITIES & STRUCTURES ARE NOT NECESSARILY SHOWN ON THE DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION & SIZE OF SUCH UTILITIES & STRUCTURES IS NOT GUARANTEED. BEFORE COMMENCING WORK, THE CONTRACTOR SHALL FAMILIARIZE HIMSELF OF THE EXACT LOCATION OF ALL SUCH UTILITIES & STRUCTURES & SHALL ASSUME ALL LIABILITY FROM DAMAGE TO SAME.
 - NO PERSON SHALL CONSTRUCT OR DEMOLISH A BUILDING OR CAUSE A BUILDING TO BE CONSTRUCTED OR DEMOLISHED (INCLUDING SITE SERVICING) UNLESS A BUILDING PERMIT HAS BEEN ISSUED BY THE CHIEF BUILDING OFFICIAL.
 - ABANDONED ENTRANCES TO BE REMOVED AND CURBS / SIDEWALKS RESTORED AS REQUIRED
 - ACCESSIBLE PARKING SPACES TO BE INDICATED WITH PAINTED SYMBOL ON ASPHALT AND EITHER POLE-MOUNT OR BUILDING-MOUNT SIGNS AS PER IMAGE BELOW & IN ACCORDANCE WITH LOCAL BY-LAWS
 - THE OWNER IS RESPONSIBLE FOR THE REMOVAL OF SNOW OFF SITE, AS REQUIRED, TO AVOID ANY CONFLICTS WITH TRUCK MANEUVERING FROM THE LOADING SPACE
 - ALL WORKS INVOLVED IN THE CONSTRUCTION, RELOCATION AND REPAIR OF MUNICIPAL SERVICES FOR THE PROPOSED DEVELOPMENT SHALL BE TO THE SATISFACTION OF THE GENERAL MANAGER OF PUBLIC WORKS.
 - STREET EXCAVATION PERMITS ARE REQUIRED FOR ANY WORK IN CITY RIGHT OF WAY BY ANY CONTRACTOR
 - PRIVATE OWNER/DEVELOPER IS RESPONSIBLE FOR ALL SERVICING, UTILITIES & COSTS.
 - REMOVE CURB & POUR NEW CURB FOR ANY NEW DRIVEWAYS OR DRIVEWAYS TO BE ABANDONED
 - STORM WATER DRAINAGE MUST NOT HAVE A NEGATIVE IMPACT ON ADJACENT PROPERTIES.
 - DRIVEWAY SLOPES MUST BE 8% MAXIMUM, AND SIDEWALK CROSS FALL 2% TO 4% MAXIMUM.
 - NO PERSON SHALL CAUSE OR PERMIT ALTERATION OF A SITE IN THE MUNICIPALITY, WITHOUT HAVING FIRST OBTAINED A SITE ALTERATION PERMIT.

2	SUBMISSION 2	2023.12.13	CHM
1	SUBMISSION 1	2023.10.27	CHM
0	INITIAL RELEASE	2023.08.08	--
REV.	DESCRIPTION	DATE	APPROV BY

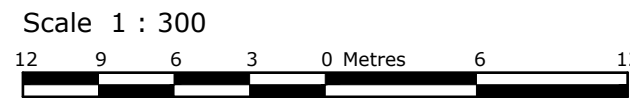
PROJECT

PROPOSED SITE PLAN OF

ALL OF LOTS 215-222, 228-231, 235-236
PART OF LOTS 223 & PART OF LANE
REGISTERED PLAN M-29 N.B.
GEOGRAPHIC TOWNSHIP OF DYMOND
DISTRICT OF TIMISKAMING

129 DAVIDSON STREET
NEW LISKEARD, ONTARIO

CITY FILE NO. NA



UNITS & CONVERSION

ALL DIMENSIONS IN METRES.
(CONVERT TO FEET: DIVIDE BY 0.3048)

ANTECH DESIGN & ENGINEERING GROUP

Engineers and Urban Planners

25 King Street, Brantford, ON. N3T 3C4
www.antechedesign.com

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2844371 ONTARIO INC
1725 THORNTON ROAD NORTH
OSHAWA, ONTARIO

SURVEY SYMBOLS		STORM, SANITARY, WATER SERVICE SYMBOLS		UTILITY SERVICES SYMBOLS		GRADING SYMBOLS		OTHER SYMBOLS		UNDERGROUND SERVICES	
■ FOUND MONUMENTS	L REGISTERED PLAN	INV = ## PIPE INVERT DIM.	HY FIRE HYDRANT	○ MH- MANHOLE - SANITARY	○ V GAS VALVE	EXISTING GRADE (m)	○ F FLAG POLE	○ DECORATIVE POLE	○ L L	○ L L	○ L L
○ SET MONUMENTS	U ORIGIN UNKNOWN	○ W WATER VALVE	○ I SPRINKLER HEAD	○ MH- T MANHOLE - STORM	○ B BOREHOLE	PROPOSED GRADE (m)	○ B BOLLARD	○ L L	○ L L	○ L L	○ L L
I IRON BAR	M MEASURED	○ V CURB STOP VALVE	○ T TEST HOLE	○ MH- H MANHOLE - HYDRO	○ U UTILITY POLE	BC = BOTTOM OF CURB	○ L L	○ L L	○ L L	○ L L	○ L L
I STD. IRON BAR	N PROPORTIONED	○ V VALVE CHAMBER	○ M MONITORING WELL	○ MH- T MANHOLE - TRAFFIC	○ H HYDRO POLE	TC = TOP OF CURB	○ L L	○ L L	○ L L	○ L L	○ L L
I SHORT STD. IRON BAR	WT WITNESS	○ V DRAIN	○ C CATCH BASIN	○ MH- B MANHOLE - BELL	○ B BELL POLE	BT = BOTTOM OF WALL	○ L L	○ L L	○ L L	○ L L	○ L L
CUT CROSS	M BENCHMARK	○ V WELL	○ C DOUBLE CATCH BASIN	○ MH- F MANHOLE - FIBER OPTIC	○ L LIGHT STD.	TW = TOP OF SWALE	○ L L	○ L L	○ L L	○ L L	○ L L
N W NAIL & WASHER	oi IRON PIPE	○ V WELL	○ I DITCH INLET CATCH BASIN	○ MH- UN MANHOLE - UNSPECIFIED	○ HL HYDRO LIGHT STD.	SW = SWALE	○ L L	○ L L	○ L L	○ L L	○ L L

Jennifer Pye

From: candice.micucci@a [REDACTED]
Sent: Thursday, December 14, 2023 8:49 AM
To: [REDACTED]
Subject: Revised Site Plan
Attachments: 232602-129Davidson-R7-V101.pdf

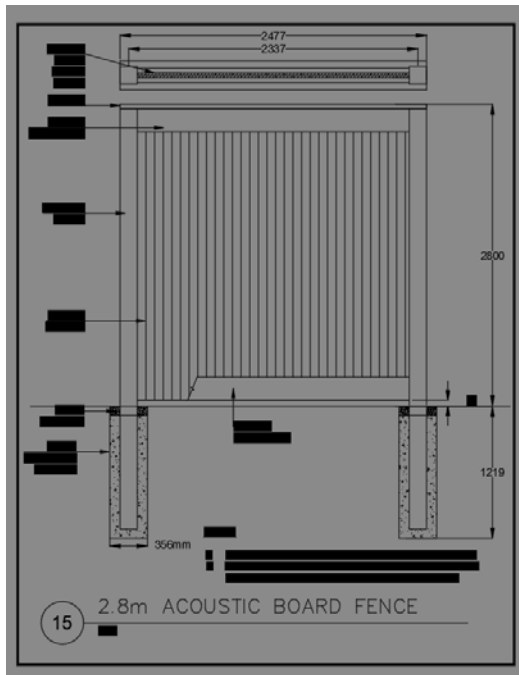
Good morning Jennfier

I hope your week is going well. In working with the development group and reviewing the neighbouring comments we have revised the proposed site plan. This revision allows for the following:

- 1) The building will be a maximum of 12 meters high (four storeys) with a smaller building foot print.
- 2) With the smaller building footprint we have moved the parking 3.0 meters from the east lot line giving the existing residential houses on Davidson Street a larger buffer.
- 3) We have shifted changed the layout design to close off the shared entrance/exit and the two lots will function individually
- 4) With the change in building size we have been able to exceed the landscaped open space requirements on both lots.
- 5) Further with the change in the building size we will have less impact on the existing top of bank and be able to maintained a greater quantity of existing trees
- 6) Regarding the request to cap the number of units the proposed design meets the R4 zoning requirements which have requirements of
 - i. A minimum of one parking space per unit
 - ii. Setbacks for all yards
 - iii. A minimum of 120 square meters of lot area per unit
 - iv. Height restrictions of 12 meters
 - v. A minimum landscaped area of 35%
 - vi. A maximum lot coverage of 40%

These above zoning requirements are what caps the development and the number of units. If the City chooses to cap the number of units over and above the Zoning By-law we will not object. This will create a special zone that in the meeting Council was trying to avoid.

- 7) The neighbours have asked about the proposed fence. This is the detail of the fence.



Please let me know if you require further information.

Sincerely,

Candice Micucci MCIP, RPP, OALA

Antech Design and Engineering Group

25 King Street, Suite 200

Brantford, ON N3T 3C4

t: 705.492.9422

e: candice.micucci@antechdesign.com

Civil & Structural & Mechanical & Electrical & Plumbing Engineering

Land Development & Urban Planning & Landscape Architecture

Office Hours:

Monday – Thursday: 8am to 5pm

Friday: 8am to 2pm

PO Box 488
201 Atwood Avenue
Rainy River, ON
P0W 1L0



Office Phone: (807) 852-3244
Clerk Phone: (807) 852-3978
Fax: (807) 852-3553
Email: rainyriver@tbaytel.net
Website: www.rainyriver.ca

Town of Rainy River

RESOLUTION

MOVED BY  DATE: **October 10, 2023**
SECONDED BY  RESOLUTION: **23-020**

“WHEREAS the Corporation of the Town of Rainy River is a small community in Northwestern Ontario with limited financial resources;

AND WHEREAS the Town of Rainy River owns and operates the water treatment facilities, water distribution facilities, wastewater treatment facilities and wastewater collection facilities which service the residents of the Town of Rainy River;

AND WHEREAS the Town of Rainy River requires Class II Water Treatment Operators for its facilities;

AND WHEREAS the Corporation of the Town of Rainy River attempts to provide training as prescribed by the Province of Ontario to obtain the necessary classification(s);

AND WHEREAS the Town of Rainy River has been fortunate in obtaining a full staff compliment eager to take on the responsibilities of water treatment and distribution and wastewater collection and treatment operations;

AND WHEREAS any new employees of the Town of Rainy River require certification;

AND WHEREAS training is becoming increasingly difficult to procure;

AND WHEREAS the Province of Ontario has implemented stringent review of water treatment plants to ensure compliance;

1

AND WHEREAS the Province of Ontario is promoting and providing an increased number of training opportunities for a variety of trades;

BE IT HEREBY RESOLVED that the Corporation of the Town of Rainy River petitions the Province of Ontario to expand water treatment training opportunities for communities within Ontario;

AND FURTHER the training be delivered in a method that is flexible and affordable;

AND FURTHER utilize existing networks, such as Contact North, for on-line exam preparation and exam supervision;

AND FURTHER the Council of the Corporation of the Town of Rainy River forward copies of this resolution to Premier Doug Ford, Minister of Environment, Conservation and Parks Andrea Khanjin, MPP Greg Rickford, Walkerton Clean Water Centre, Ontario Municipalities.”

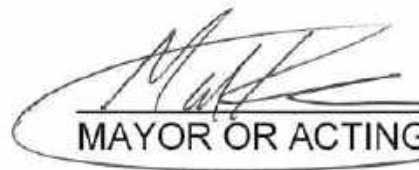
1

1

ABSTAIN _____
AYES _____
NAYES _____

D. ARMSTRONG _____
D. EWALD _____
J. HAGARTY _____
B. HELGESON _____
N. IVALL _____
M. KREGER _____
G. PROST _____

CARRIED _____ ✓
DEFEATED _____


MAYOR OR ACTING MAYOR





The Corporation of the Municipality of Wawa

REGULAR COUNCIL MEETING

RESOLUTION

Tuesday, November 7, 2023

Resolution # RC23263

Meeting Order: 8

Moved by:

Cathy Cannon

Seconded by:

[Signature]

WHEREAS the local newspaper company Algoma News Review has ceased the print publication of its weekly newspaper and printed its final edition on July 6, 2022; and

WHEREAS the *Legislation Act, 2006* provides a definition of "newspaper" which applies to every Ontario Act Regulation, as in a provision requiring publication, means a document that, (a) is printed in sheet form, published at regular intervals of a week or less and circulated to the general public, and (b) consists primarily of news of current events of general interest; ("journal"); and

WHEREAS Ontario Municipalities are required to follow publication and notice requirements for Provincial Acts and Regulations; and

WHEREAS communities such as the Municipality of Wawa cannot comply with publication requirements in Provincial Acts and Regulations as the Algoma News Review publication is no longer being printed in sheet form and there are no other local news publications fitting the definition of "newspaper"; and

WHEREAS some small rural Ontario Municipalities may not have the means to bring an application to the Court to ask for directions and approval of an alternate manner of providing notice;

NOW THEREFORE BE IT RESOLVED THAT the Council of the Corporation of the Municipality of Wawa does hereby support the Township of McKellar and request the Provincial Government to make an amendment to the *Legislation Act, 2006* to include digital publications as an acceptable means of publication and notice requirements for Provincial acts and Regulations; and

p.2...



The Corporation of the Municipality of Wawa

REGULAR COUNCIL MEETING

RESOLUTION

FURTHERMORE request the support of all Ontario Municipalities; and

FURTHERMORE THAT this resolution be forwarded to the Minister of Municipal Affairs and Housing Paul Calandra, Algoma Manitoulin MPP Michael Mantha, and the Association of Ontario Municipalities (AMO).

RESOLUTION RESULT		RECORDED VOTE		
<input checked="" type="checkbox"/>	CARRIED	MAYOR AND COUNCIL	YES	NO
<input type="checkbox"/>	DEFEATED	Mitch Hatfield		
<input type="checkbox"/>	TABLED	Cathy Cannon		
<input type="checkbox"/>	RECORDED VOTE (SEE RIGHT)	Melanie Pilon		
<input type="checkbox"/>	PECUNIARY INTEREST DECLARED	Jim Hoffmann		
<input type="checkbox"/>	WITHDRAWN	Joseph Opato		

Disclosure of Pecuniary Interest and the general nature thereof.

- ☐ Disclosed the pecuniary interest and general name thereof and abstained from the discussion, vote and influence.

Clerk: _____

MAYOR - MELANIE PILON	CLERK - MAURY O'NEILL





The Corporation of the Municipality of Wawa

REGULAR COUNCIL MEETING

RESOLUTION

Tuesday, November 7, 2023

Resolution # RC23265	Meeting Order: 10
Moved by: 	Seconded by: 

WHEREAS Canada has 90,000 volunteer firefighters who provide fire and all hazard emergency services to their communities; in addition, approximately 8,000 essential search and rescue volunteers respond to thousands of incidents every year; and

WHEREAS many of these individuals receive some form of pay on call, an honorarium, or are given some funding to cover expenses, but they do not draw a living wage from firefighting; and;

WHEREAS without volunteer firefighters and search and rescue volunteers, thousands of communities in Canada would have no fire and emergency response coverage; and;

WHEREAS in 2013, the federal government initiated a tax credit recognizing these individuals, and calling on the federal government to increase this tax credit from \$3,000 to \$10,000; and;

WHEREAS volunteer firefighters account for 71% of Canada's total firefighting essential first responders;

- The tax code of Canada currently allows volunteer firefighters and search and rescue volunteers to claim a \$3,000 tax credit if 200 hours of volunteer services were completed in a calendar year;
- This works out to a mere \$450 per year, which we allow these essential volunteers to keep of their own income from their regular jobs, \$2.25 an hour;
- If they volunteer more than 200 hours, which many do, this tax credit becomes even less;
- These essential volunteers not only put their lives on the line and give their time, training and efforts to Canadians, but they also allow cities and municipalities to keep property taxes lower than if paid services were required;

p.2...



The Corporation of the Municipality of Wawa

REGULAR COUNCIL MEETING

RESOLUTION

- It would also help retain these volunteers in a time when volunteerism is decreasing.

THEREFORE BE IT RESOLVED THAT the Council of the Corporation of the Municipality of Wawa call upon the Government of Canada to support Bill C-310 and enact amendments to subsections 118.06 (2) and 118.07 (2) of the Income Tax Act in order to increase the amount of the tax credits for volunteer firefighting and search and rescue volunteer services from \$3,000 to \$10,000; and;

FURTHERMORE THAT a copy of the resolution be shared with the Association of Fire Chiefs of Ontario, Algoma Mutual Aid Association, Association of Municipalities of Ontario and all Ontario municipalities.

RESOLUTION RESULT		RECORDED VOTE	
<input checked="" type="checkbox"/>	CARRIED	MAYOR AND COUNCIL	YES NO
<input type="checkbox"/>	DEFEATED	Mitch Hatfield	
<input type="checkbox"/>	TABLED	Cathy Cannon	
<input type="checkbox"/>	RECORDED VOTE (SEE RIGHT)	Melanie Pilon	
<input type="checkbox"/>	PECUNIARY INTEREST DECLARED	Jim Hoffmann	
<input type="checkbox"/>	WITHDRAWN	Joseph Opato	

Disclosure of Pecuniary Interest and the general nature thereof.

- ☐ Disclosed the pecuniary interest and general name thereof and abstained from the discussion, vote and influence.

Clerk: _____

MAYOR - MELANIE PILON	CLERK - MAURY O'NEILL

Emailed: GBourgouin-QP@ndp.on.ca

November 9, 2023

Guy Bourgouin
MPP – Mushkegowuk-James Bay
Room 329
Main Legislative Building
Queen's Park
Toronto, ON
M7A 1A5

Dear Mr. Bourgouin,

Re: Preparation of Bill – Regarding Passing on Double/Two Solid Yellow Lines

Your letter requesting support for the above-mentioned bill was submitted to the Council of the Corporation of the Township of Evanturel at the regular council meeting of November 8, 2023.

Council considered the proposed bill and authorized its support by resolution.

Find enclosed a true certified copy of Resolution No. 7 passed in open council November 8, 2023 authorizing this support

Best of luck in this very important endeavour.

Yours truly,



Virginia Montminy
Clerk
THE CORPORATION OF THE
TOWNSHIP OF EVANTUREL
Encl:

Resolution of Council

Moved by: Councillor Belanger

Date: November 8, 2023

Seconded by: Councillor MacPherson

Resolution No: 7

WHEREAS police services in Ontario do not currently have the legal tools to penalize the dangerous maneuver of vehicles passing vehicular traffic on the left on two solid yellow lines;

AND WHEREAS this dangerous maneuver has had devastating effects on the residents of Northern Ontario Municipalities which centre around Highways 11 and 17, and who must use these highways as main thoroughfares;

AND WHEREAS Guy Bourgouin, MPP Mushkegowuk-James Bay, is preparing a bill to make it completely illegal for a vehicle to pass on the left side of a lane when it is marked with two solid yellow lines;

NOW THEREFORE the Council of the Corporation of the Township of Evanturel, in the District of Temiskaming, hereby resolves to support the initiative of MPP Bourgouin in the preparation of this very important bill.

Carried


Derek Mundle - Reeve

DIVISION VOTE		
YEAS	NAME OF MEMBER OF COUNCIL	NAYS
	BARBARA BEACHEY, COUNCILLOR	
	GISELE BELANGER, COUNCILLOR	
	ROB MACPHERSON, COUNCILLOR	
	JOHN SIMMENS, COUNCILLOR	
	DEREK MUNDLE, REEVE	
	TOTALS	

Declaration of Pecuniary Interest - Report to Council TWP2019-05 - Form A - Reeve Mundle ___; Councillor

Certified to be a true copy of Resolution No. 7 of the Corporation of the Township of Evanturel
passed in open Council on the 8th day of November, 2023.


Virginia Montminy - Clerk
Township of Evanturel



GUY BOURGOUIN

MPP Mushkegowuk—James Bay

Député provincial de Mushkegowuk—Baie James

Dear partners of northern municipalities,

A serious accident almost cost the life of a citizen of my constituency due to an attempt to pass on the left on two solid yellow lines. In 2022, after asking a police officer how to prevent such accidents, I learned that the police does not currently have the legal tools to penalize this dangerous maneuver and thus avoid these accidents.

I am currently preparing a bill that would make it completely illegal for a vehicle to pass on the left side of a lane when it is marked with two solid yellow lines.

This will prevent vehicles, including heavy trucks, from passing or attempting to pass on the left when the left lane is in the opposite direction. This is currently a recommendation by law but is not prohibited. There is therefore no penalty for drivers who perform this dangerous maneuver.

In our northern communities, which are centered around both highways 11 and 17, which are main roads for us, the effects of this maneuver are known and devastating. Except to enter a private lane on the left of the road or to enter the highway's lane, there is no reason to use this deadly maneuver. Ontario is the only province that does not penalize this behavior. It is time to prioritize the lives of Ontarians.

I am sure that many of you are very familiar with the situation and care about the safety of citizens who use our roads. This is particularly the case with severe snowstorms approaching which will make our roads less safe.

Dear partners of municipalities across Northern Ontario, I would like to count on your support when I to table this bill in the Legislative Assembly on November 21. Each of your letters to support my initiative could save lives.

Thank you in advance for your help.

Best regards,

Guy Bourgouin

MPP/député, Mushkegowuk-James Bay/Baie James

CONSTITUENCY OFFICE BUREAU DE CIRCONSCRIPTION

2 rue Ash Street
Kapuskasing, ON P5N 3H4
☎ 1-833-560-6400
✉ GBourgouin-CO@ndp.on.ca

QUEEN'S PARK

Room / Bureau 329
Main Legislative Building / Édifice de l'Assemblée législative
Queen's Park, Toronto, ON M7A 1A5
☎ 1-416-326-2351
✉ GBourgouin-QP@ndp.on.ca

Memo

To: Mayor and Council
From: Logan Belanger, Municipal Clerk
Date: December 19, 2023
Subject: Amendment to Fees By-law No. 2012-039 – Schedule “B”
Cemetery Fees
Attachments: Appendix 01: Draft By-law Amendment (**Please refer to By-law No. 2023-128**)

Mayor and Council:

On July 1, 2023, the Bereavement Authority of Ontario (BAO) increased its operator licensing renewal fees to \$30 per interment, scattering, cremation, hydrolysis, death registration, including those under social services programs. The fee increase is for the 2024 licensing year; however, the City’s operator licence renewal fee is based on the prior 12 months of activity (i.e., number of interments).

The licensing renewal fee is called the Bereavement Authority of Ontario Consumer Protection Fee. The Bereavement Authority of Ontario is a government delegated authority and not-for-profit corporation administering provisions of the Funeral, Burial and Cremation Services Act, 2002 (FBCSA) on behalf of the Ministry of Public and Business Service Delivery. Responsible for protection of the public interest, the BAO regulates, ensures compliance with the law, and supports licensed:

- Funeral establishment operators, directors and preplanners;
- Cemetery, crematorium and alternative disposition operators;
- Transfer service operators; and
- Bereavement sector sales representatives across Ontario.

The BAO is wholly funded by licensee fees (not tax dollars).

The fee increase includes an inflationary increase, plus an increase to cover the BAO’s growth obligations related to its strategic plan objectives and recommendations of the Auditor General. As such, cemeteries would pay \$30 total per death (up from \$13.63 per death from January 1, 2023-June 30, 2023, and \$12.00 per death in previous years). Note: the increase to the 2023 Licensing Year, was the first fee increase for licensees in seven years.



The City may increase prices to recover the cost of the operator licensing fee, and will be shown as a stand alone fee.

It is recommended that Council directs staff to amend By-law No. 2012-039 (Departmental User Fees) as amended, to revise Cemetery Fees in Schedule B to reflect the updated License fee (i.e. Bereavement Authority of Ontario Consumer Protection Fee), for consideration at the December 19, 2023 Regular Council meeting.

Submission:

Prepared by:

Reviewed and submitted for
Council's consideration by:

"Original signed by"

"Original signed by"

Logan Belanger
Municipal Clerk

Amy Vickery
City Manager

Subject: eScribe Meeting Software

Report No.:

CS-051-2023

Agenda Date:

December 19, 2023

Attachments

Appendix 01: SHI Quote

Appendix 01: Draft Agreement (**Draft By-law No. 2023-138**)

Recommendations

It is recommended:

1. That Council for the City of Temiskaming Shores acknowledges receipt of Administrative Report CS-051-2023; and
2. That Council directs staff to prepare the necessary by-law to enter into a 3-year agreement with eScribe for meeting management software, within the Canoe Procurement Group via SHI, at a total cost of \$33,643 plus applicable taxes, for consideration at the December 19, 2023 Regular Council meeting.

Background

With over a decade of experience in meeting management, eScribe provides solutions for public sector boards, committees and councils looking to go digital. As of December 2023, 196 Ontario municipalities, both small and large, have engaged eScribe for meeting management services, and is the Association of Municipalities of Ontario's (AMO) preferred partner for meeting management software.

Meeting management software streamlines internal processes for creating, managing and distributing agendas to Council, the public and staff for Council and Committee meetings. Currently, producing agendas is a manual process, and significant efficiencies can be realized with the implementation of agenda software.

eScribe is an end-to-end meeting management platform designed for the public sector, complete with tools that simplify meetings and reduce administrative workload.

Analysis

Staff reviewed the proposal from eScribe with the following objectives:

- Digitally create and manage public meetings for staff, elected officials and public
- Improve staff efficiency with automated workflow and approval processes

- Efficiently create and distribute paperless agendas to meeting attendees
- Improve citizen transparency with digitally inclusive documents

eScribe is a modular and scalable solution to meeting management, and modules can be mixed and matched to build a custom platform. As such, Staff recommends beginning with the Digital Readiness Bundle, which includes the following modules:

- **Meeting Manager** – Streamlines and automates meeting preparation and post meeting activities, and conducting meetings
- **Participant Portal** – Secure access for board and elected official
- **Internet Publishing Plus** – Easily engage stakeholders through their existing website, without programming and fully supports evolving accessibility requirements
- **Report Manager** – Revolves around the preparation and approval of reports and items for submission to meetings.

Implementation of the product would be targeted towards the end of the first quarter in 2024 to the beginning of the second quarter, and will include training for staff, with Council members trained in-house by staff.

To ensure a successful implementation, eScribe assigns a dedicated team and follows a framework that has been developed over hundreds of successful implementations spanning customers both large and small.

The City's Information Systems & Technology Administrator has been consulted, and has no concerns with respect to data hosting and data security with the eScribe proposal.

Should Council approve the software, the City would enter into an agreement with eScribe and Canoe Procurement Group Contract - via SHI. SHI is a software/hardware reseller that eScribe works with; and they have been awarded their full catalogue of products via Canoe.

The eScribe Webinar (linked below), titled Reducing Agenda Stress for Municipal Governments One Meeting at a Time, is available to view on YouTube, including information on how the partnership has helped municipal governments large and small across Canada improve their meeting effectiveness and efficiency; the benefits through the partnership; success stories with other Ontario municipalities; and an overview of what meeting preparation looks like.

https://www.youtube.com/watch?v=EChlY_JzL7o

Relevant Policy / Legislation / City By-Law

- By-Law No. 2017-015, Procurement Policy
- Draft 2024 Municipal Operational Budget

Consultation / Communication

- Consultation with City Manager, Director of Corporate Services, Deputy Clerk and IT Administrator

Financial / Staffing Implications

This item has been approved in the current budget: Yes ☒ No ☐ N/A ☐

This item is within the approved budget amount: Yes ☒ No ☐ N/A ☐

eScribe is a program partner within the AMO LAS Canoe Procurement Group. Local Authority Services (LAS) is a preferred provider of programs for Ontario municipalities and the broader public sector, and the Canoe Procurement Group works with municipal associations across the country. Associations work with Canoe to provide member organizations access to preferential pricing on trade-compliant purchasing programs that leverage the collective buying power of all involved.

Section 10.12 - Co-operative Procurement, in the City's Procurement Policy permits participating in purchasing groups. The City is a member of the AMO LAS Canoe Procurement Group, as such staff recommends utilizing the initiative to purchase the software.

eScribe leverages a detailed onboarding approach, to provide a fixed price, including: activation of the solution on the cloud, customer specific configuration of meeting types, content templates, and initial workflow configuration, administrator, contributor, and participant training, in addition to one-on-one workshop sessions and go live support for key initial meetings.

The proposal for the Digital Readiness Module is \$10,305 per year, indexed by 4% after 2024, plus a one-time \$1,475 implementation fee (including a year-end discount fee, if an agreement is entered into by the end of 2023).

2024 Fee	\$10,305, plus \$1,475 one-time implementation fee
2025 Fee (4% index)	\$10,717
2025 Fee (4% index)	\$11,146
Total (3-year term)	\$33,643, plus applicable taxes



City of Temiskaming Shores
Administrative Report

The term of this Agreement is proposed for a three (3) year period, and will automatically renew for an additional term of equal length, unless notice of cancellation is received 60 days prior to the expiry of the term.

The proposal cost is within the draft 2024 budget, which would cover start-up and subscription costs.

Alternatives

If Council does not agree to enter into an agreement with eScribe, staff will continue to prepare Council agendas, packages, by-laws, etc. using the conventional method; however, Staff believe this software solutions will assist with increasing operational efficiency.

Submission

Prepared by:

Reviewed by:

Reviewed and submitted for
Council's consideration by:

"Original signed by"

"Original signed by"

"Original signed by"

Logan Belanger
Municipal Clerk

Shelly Zubych
Director of Corporate
Services

Amy Vickery
City Manager



Pricing Proposal
Quotation #: 24283141
Created On: 2023-12-13
Valid Until: 2023-12-22

City of Temiskaming Shores

Logan Belanger

PO Box
325 Farr Drive
Haileybury
ON
P0J 1K0
Canada
Phone: (705) 679-8877
Fax:
Email: lbelanger@temiskamingshores.ca

Inside Account Manager

Rachel Monteiro

895 Don Mills Rd, Suite 400
Two Morneau Sobeco Centre
Toronto, ON M3C 1W3
Phone: 800-527-6389
Fax:
Email: Team_Canada_2@SHI.com

All Prices are in Canadian Dollar (CAD)

	Product	Qty	Your Price	Total
1	eScribe Annual Service and Support Fees eScribe - Part#: NPN-ESCRI-ANNUA-S Note: ESD Software	1	\$10,305.00	\$10,305.00
2	Implementation Fees eScribe - Part#: NPN-ESCRI-IMPLE-F Note: ESD Software	1	\$1,475.00	\$1,475.00
				<hr/>
			Subtotal	\$11,780.00
			*Tax	\$1,531.40
			Total	\$13,311.40

*Tax is estimated. Invoice will include the full and final tax due.

Additional Comments

Hardware items on this quote may be updated to reflect changes due to industry wide constraints and fluctuations.

SHI can support your work from home or return to office needs. From laptops & webcams to security solutions and network upgrades, we've got you covered. Please contact your SHI account team, or visit us at www.shi.ca to learn more.

Please note: There will be a 2.5% fee applied if this quote is purchased via a credit card.

The Products offered under this proposal are resold in accordance with the [SHI Online Customer Resale Terms and Conditions](#), unless a separate resale agreement exists between SHI and the Customer.

Subject: Animal Care and Control Fees

Report No.:

CS-052-2023

Agenda Date:

December 19, 2023

Attachments

Appendix 01: Animal Care and Control Fees

Appendix 02: Draft By-law Amendment (**Please refer to By-law No. 2023-128**)

Recommendations

It is recommended:

1. That Council for the City of Temiskaming Shores acknowledges receipt of Administrative Report No. CS-052-2023; and
2. That Council directs staff to prepare the necessary by-law to amend Schedule “A” Administration – Corporate Services fees to By-law No. 2012-039 (Departmental User Fees) as amended, to replace the Registration of Dogs and Cats table with a revised Animal Care and Control fee table, for consideration at the December 19, 2023 Regular Council meeting.

Background

During the review of By-law 2013-051, as amended, it was determined that the fees for licensing, impoundment and care and kennels would be better suited in the User Fee By-law.

Upon third and final reading and enactment of By-law 2023-122 (being a by-law to regulate the care and control of animals and provide for the registration of dogs and cats) the current fees will be repealed, and it is necessary to fix a set of fees.

Staff reviewed fees of various municipalities and identified many variations for licensing. It is the intention to permit for lifetime registration of dogs and cats however more time is required to develop the parameters.

It is anticipated the fees will undergo a further review before January 1, 2025 to align with annual licensing renewal options and ensure the fees align appropriately with the new Animal Services Program.

Analysis

The proposed fees have had a slight increase and for ease of administration, the provisions for discounts and early bird rates have been removed and standardized.

The goal with registration and licensing of dogs and cats, is to build the registrar of pets to ensure accuracy and ability to easily reunite pets and owners. The initial registration fee is \$35 regardless of fixed or unaltered with discounted renewals for spayed or neutered pets.

Impound and Boarding Fees have been increased by \$5.00. Veterinarian care fees would be on a cost recovery basis and there are fees for proper and humane euthanasia and humane disposal of animals found deceased should the need arise.

These provisions were considered by the Animal Services Committee however no formal recommendation was provided.

Relevant Policy / Legislation / City By-Law

- 2023-122 to regulate the care and control of animals and provide for the registration of dogs and cats

Consultation / Communication

- Consultation with the City's Customer Service
- Consultation with the Treasurer
- Consultation with Animal Services Committee

Financial / Staffing Implications

This item has been approved in the current budget: Yes ☐ No ☐ N/A ☒

This item is within the approved budget amount: Yes ☐ No ☐ N/A ☒

Updating the current fee structure under By-law No. 2012-039 (Departmental User Fees) as amended provides for a fee structure for pet licensing and when necessary, permit for levying of costs arising from enforcement provisions of Animal Services.

Annual licensing revenue for the past two years is as follows:

2018 – \$6,670

2019 – \$12,540

2020 - \$6,053

2021- \$5,450

2022 - \$6,030

2023 (year to date) - \$2,210



Climate Considerations

This is restricted to an administrative update and no climate effects.

Alternatives

No alternatives recommended due to the timing of the by-law enactment.

Submission

Prepared by and Reviewed and
submitted for Council's consideration
by:

"Original signed by"

Amy Vickery
City Manager

**The Corporation of The City of Temiskaming Shores
Appendix “A” Administration – Corporate Services
To Fees By-Law No. 2012-039, as amended**

Animal Care and Control Fees

Impoundment or Detained	Fee
Impoundment Fee	\$ 35.00
Daily Boarding Fee	\$ 20.00
Quarantined Animal Daily Boarding Fee	\$ 35.00
Humane Euthanasia Fee	\$ 75.00
Veterinarian Fees	Cost recovery
Disposal of Non-Impounded Animal Fee up to 40lbs	\$40.00
Disposal of Non-Impounded Animal Fee above 40lbs to a maximum of 110lbs	\$85.00
Disposal of Non-Impounded Animal Fee above 110lbs	\$110.00
Tags and Licenses	
Register Dog or Cat – Initial Licensing Fee & Tag	\$35
Annual Renewal Spayed/Neutered	\$15
Annual Renewal NOT Spayed/Neutered (unfixed)	\$25
Register a <i>Service Animal</i>	Nil
Register a <i>Livestock Guardian Dog</i> or a <i>Herding Dog</i>	Nil
Purchase a Replacement Tag (lost tag)	\$10
Kennel fees	
Kennel License Fee	\$250
Kennel Inspection Fee	\$100

Memo

To: Mayor and Council
From: Mitch McCrank, Manager of Transportation Services
Date: December 19, 2023
Subject: Permission to Construct
Attachments: Appendix 01 – Permission to Construct

Mayor and Council:

The Ministry of Transportation (MTO) provided the City with an agreement for Permission to Construct on Uno Park Road, to allow for access to culverts for the goal of rehabbing the road. The term of the agreement would be from September 30, 2023 to December 31, 2027, and the Ministry would assume the risk of injury or damages, and related reasonable legal fees of the Owner(s) to defend against third party claims, arising out of the Minister's use of the land, except to the extent that the injury or damages are caused by the Owners negligence.

Background:

MTO retained McIntosh Perry to prepare the detailed design of the rehabilitation of Highway 11 from 0.8km north of the north junction of Highway 65, northerly to the south junction of Highway 569. As part of the work, it is anticipated that the Contractor will require access to and on the public roadway to facilitate two scopes of work:

1. The replacement of sideroad culvert, grading and safety improvements (guiderail installation) at the intersection of Highway 11 and Hanbury Road West (located in the Township of Harley).
2. The rehabilitation / drainage improvements to the intersection of Highway 11 and Uno Park Road (located at the northern limits of the Township of Dymond and the southern limits of the Township of Harley);

With respect to Uno Park Road, a full closure is not anticipated, therefore, traffic control will be required to be completed in accordance the Ontario Traffic Manual (OTM) Book 7.

Correspondence with the City of Temiskaming Shores commenced in August, 2019, including the Notice of Study Commencement letter. The City's Drainage Superintendent was also consulted regarding the Tobler's Road Municipal Drain.

The Ministry will restore the area to a neat and tidy condition.

If affected, it is understood that trees cut from the above lands become the property of the Ministry and the disposal of same shall be the Ministers responsibility.

Recommendation

It is recommended that the Council delegate the authority to the Mayor and Clerk to sign the Permission to Construct Agreement with His Majesty the King in Right of Ontario, as represented by the Minister of Transportation, for the purpose of facilitating access for the replacement or rehabilitation to centreline culverts, various culvert extensions and culvert replacements, the improvements at Uno Park Road intersection, ditch locations and utility relocations.

Prepared by:

Reviewed and Submitted by:

"Original signed by"

"Original signed by"

Mitch McCrank, CET
Manager of Transportation Services

Amy Vickery, CMO
City Manager



PERMISSION TO CONSTRUCT

For Internal Use Only
W.P. No.: 5041-17-00 PR1
Highway No.: 11
MTO Area Office: North Bay
Region: Northeastern
P-Plan: P-2236-89
Agent: Smith-Chadbourn
Rec:
Rec:
Rec:
App:

We,

The Corporation of the City of Temiskaming Shores

Of

The City of Temiskaming Shores

In the

District of Timiskaming

being the owners of the land in

The Geographic Township of Dymond, City of Temiskaming Shores

(Township, City, Town, etc.)

In the District of Timiskaming

(County, District, Regional or District Municipality)

being Part of the Original Road Allowance in the North ½ of the North ½

(Lot, Block – Concession and Township – or – Registered Plan)

of Lots 8 & 9, Concession 6

shown as Parts 1, 2 & 3 on Ministry Plan P-2236-89;

(Lot, Block – Concession and Township – or – Registered Plan)

Geographic Township of Dymond, City of Temiskaming Shores, District of Timiskaming

Deposited in the Land Registry Office for the Land Titles Division of Timiskaming

as Plan 54R-6214

in consideration of the sum of One Dollar (\$1.00) (receipt of which is acknowledged), grant permission to His Majesty The King in Right of Ontario, as represented by the Minister of Transportation, His employees, agents, contractors and consultants, to enter our property for the purpose of:

Temporary Limited Interest Agreement to facilitate access for the replacement or rehabilitation to centreline culverts, various culvert extensions and culvert replacements, the improvements at Uno Park Road intersection, ditch locations and utility relocations.

The Minister assumes the risk of injury or damages, and related reasonable legal fees of the Owner(s) to defend against third party claims, arising out of the Minister’s use of the land except to the extent that the injury or damages are caused by the Owners negligence.

The term of this Permission to Construct shall be from **September 30, 2023 to December 31, 2027.**

The Owner shall provide a copy of the resolution or the bylaw authorizing the execution of this Agreement.

The Ministry will restore the area to a neat and tidy condition.

If affected, it is understood that trees cut from the above lands become the property of the Ministry and the disposal of same shall be the Ministers responsibility.

There are no fences or gates required in this matter.

Dated _____ day
at Temiskaming Shores this _____ of December, 2023

THE CORPORATION OF THE CITY OF TEMISKAMING SHORES

Jeff Laferriere - MAYOR
Print Name

Logan Belanger – MUNICIPAL CLERK
Print Name

I/We have authority to bind the corporation

I/We have authority to bind the corporation

Memo

To: Mayor and Council
From: Jeremie Latour, Engineering Technologist
Date: December 19, 2023
Subject: Spatial GIS and Mapping Data Sharing
Attachments: Appendix 01 – Spatial GIS and Mapping Data Sharing Agreement
(See draft by-law No. 2023-124)

Mayor and Council:

As a follow-up to Memo No. 032-2023-PW presented at the December 5, 2023 Committee of the Whole meeting, the Project Owner appointed a new Dedicated Locator Service Provider (DLSP), for the Community Network Partners Dedicated Locator Regional Project for Fibre to The Home, as of December 8th, 2023.

G-Tel Engineering is now the DLSP, and will be responsible for all of the municipal owned infrastructure locates requests generated by and for the project only.

As such, the DLSP has been updated in the by-law presented to Council at the December 19, 2023 Regular Meeting, to authorize entering into a data sharing agreement with G-Tel Engineering for use of the Spatial GIS and Mapping data in electronic format, for the purpose of the Community Network Partners Dedicated Locator Regional Project for Fibre to The Home.

Prepared by:

"Original signed by"

Jeremie Latour
Engineering Technologist

Subject: Bucke Park RFP Award

Report No.: RS-029-2023

Agenda Date: December 19, 2023

Attachments

Appendix 01: RS-RFP-006-2023 Submission Summary

Appendix 02: Sylvain Gelineau Submission

Appendix 03: Draft Agreement **(Please refer to By-law No. 2023-139)**

Recommendations

It is recommended:

1. That Council for the City of Temiskaming Shores acknowledges receipt of Administrative Report RS-029-2023; and
2. That Council directs staff to prepare the necessary by-law to enter into an agreement with Sylvain G. Gelineau for the lease of Bucke Park from January 1, 2024, to December 31, 2028 for the operation of a campground for consideration at the December 19, 2023, Regular Council meeting.

Background

The City has had yearly agreements with Sylvain G. Gelineau to operate Bucke Park on behalf of the City for the 2020, 2021, 2022 and 2023 seasons.

The park has had increased revenues and occupancy each of the last four seasons. Sylvain and his designates have been excellent stewards of the park providing an increased level of maintenance and cleaning to the grounds which was noticed by users and staff.

Our operator was also able to successfully fill the marina with boats docked for the entire season and it was noted that there were many people with boats who stopped at the park's marina. In addition, they were able to complete small maintenance projects both around the park and within the washrooms. Staff also received many complimentary comments from the public about Sylvain's operation of the park.

The Recreation Master Plan notes that Bucke Park is a core natural asset of the City and a long-term comprehensive lease should be sought for the operations of the campground.

The operation of the park was organized such that all revenues flowed through the City, general administrative decisions were made by the City and all expenses were paid by the City.

As per the recommendation of the Recreation Master Plan, City staff released request for proposal RS-RFP-006-2023 “Bucke Park Operations” on the City’s website and BidDingo on September 13, 2023. The request for proposal sought an operator who would undertake full responsibility for the operation of the park including tasks such as administration, maintenance and marketing.

Analysis

One submission was received in response to RS-RFP-006-2023 by the closing date of October 26, 2023 at 2:00pm.

The RFP opening summary is included in Appendix 01:

Sylvain G. Gelineau - \$15,000 per year, 5-year term.

The submission was reviewed and evaluated in accordance with the requirements of the RFP and deliverables to be provided by the submitters.

City staff noted that the proposed fee for usage of the City’s asset is within the estimated range staff were anticipating for the RFP and all elements of the proposal met minimum standards. The submission is from the City’s current operator who has successfully operated the park for the last four years. The City has received multiple messages in support of Sylvain’s operation from current campers. Staff are satisfied that this bid is from a seasoned campground operator who will abide by the conditions outlined in the agreement and ultimately provide a good experience for people who patronize the park.

As part of the agreement the City will retain care and control of the operation of the water treatment system at the park, will continue to winterize the park and will be responsible for the structural soundness of the chalet building. The City and the operator will split the cost of electricity at the park. All other maintenance and operational costs will be borne by Operator including administrative costs and maintenance costs of things like the electrical service to campsites, roadways within the park, grass maintenance and tree maintenance.

Relevant Policy / Legislation / City By-Law

- Draft 2024 Municipal Operational Budget
- [By-Law No. 2017-015, Procurement Policy](#)
- [Recreation Master Plan](#)

Consultation / Communication

- Consultation with City Manager throughout the project

Financial / Staffing Implications

This item has been approved in the current budget: Yes ☐ No ☐ N/A ☒

This item is within the approved budget amount: Yes ☐ No ☐ N/A ☒

Based on the submission and proposed agreement, the Operator will be paying the City \$15,000 per year plus HST for the use of Bucke Park to operate his campground business. The yearly fee will increase by 3% per year over the course of the agreement.

The City is estimating that net expenses related to Bucke Park will be \$21,165 in 2024 which includes the City's cost share of electricity expenses, costs related to the operation of the Water treatment plant by OCWA and a small amount for the maintenance of City responsible elements.

By changing responsibilities for operation for the park from majority City responsibility to majority operator responsibility the City is projecting to save a significant amount of staff time that can now be reallocated to other tasks. The majority of this time is associated with the billing, collection and accounting of payments from campers. Additionally, time associated with the maintenance of operations such as washrooms, roadways, water pipes, etc. will no longer be the responsibility of the City.

Climate Considerations

Use of the climate lens has demonstrated that there are no adverse climate effects associated with this project.



Alternatives

Council could direct staff to cancel RS-RFP-006-2023.

Council could direct staff to negotiate an extension of the 2023 Bucke Park Operator's contract.

Submission

Prepared by:

Reviewed and submitted for
Council's consideration by:

"Original signed by"

"Original signed by"

Mathew Bahm
Director of Recreation

Amy Vickery
City Manager

Document Title: **RS-RFP-006-2023 – Bucke Park Operations**



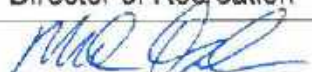
Closing Date: **Thursday, October 26, 2023**

Closing Time: **2:00 p.m.**

Department: **Recreation**

Opening Time: **2:30 p.m.**

Attendees via teleconference: **705-672-2733 Ext. 4000**
City of Temiskaming Shores:

Logan Belanger, Municipal Clerk	Kelly Conlin Deputy Clerk	Mathew Bahm Director of Recreation
		

Others (teleconference):

Submission Pricing

Bidder: *Sylvain Gelineau*

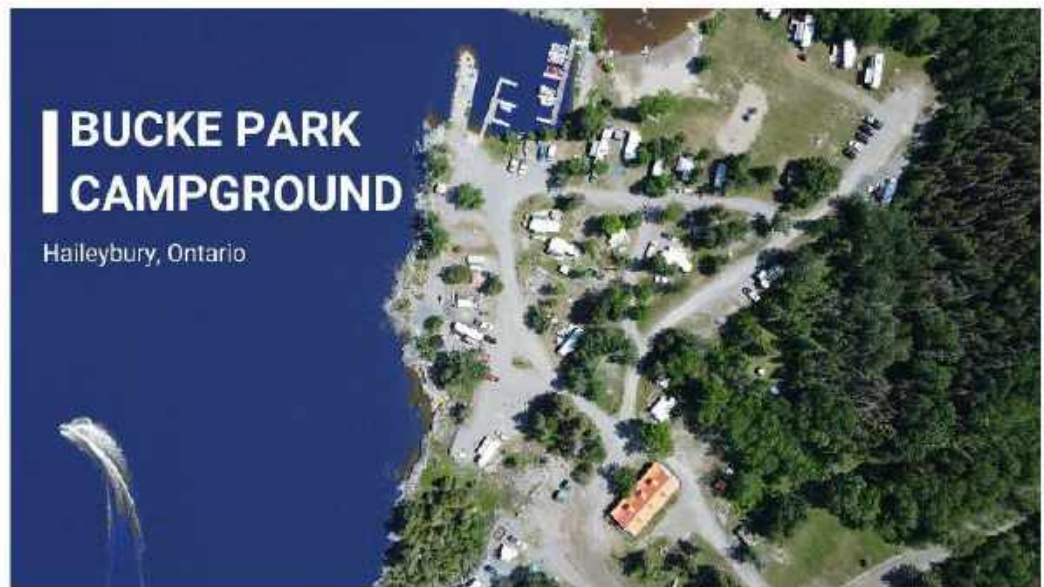
Description	Amount (Without HST)
Yearly payment for the operation of Bucke Park Campground	\$ 15,000.00

Bidder:

Description	Amount (Without HST)
Yearly payment for the operation of Bucke Park Campground	\$.00

Note: Since this is a Request for Proposal all submissions are required to be evaluated based on a set of pre-determined evaluation criteria. All offered prices are offers only and subject to scrutiny. All proponents whether successful or not will be notified of results, in writing at a later date.

BUCKE CENTENNIAL PARK



2023

Request For Proposal RS-RFP-006-2023

Bucke Park Operations

Bucke Centennial Park

REQUEST FOR PROPOSAL RS-RFP-006-2023

SECTION A

BUSINESS BACKGROUND AND EXPERIENCE

1-Legal Name of Company: Sylvain Gelineau, Operating as deGarage RV Sales & Bucke Park

[REDACTED]

7 [REDACTED]

Person assigned to this contract: Sylvain Gelineau

2- We have been selling campers part time as a hobby for about 20 years, 6 of these last years in business doing it full time with sales, repairs, parts and servicing. Worked as a certified welder, millwright and construction for many years. Experience in maintenance, plumbing and carpentry.

3-We have worked as an Operator of Bucke Park for the last 4 years for the City of Temiskaming Shores. In 1996 we were Leasing Bucke Park campground for 6 years from the Town of Haileybury and work as a contractor as Operator for the City of Temiskaming shores, for a total of 10 years. In all we have 14 year experience in Operating/Managing a Campground.

4-We have planned and budgeted during our years of leasing the campground since we were doing this as a full time seasonal job at the time. Had employees working for us, trained them and taught them the ins and out about running a campground. We had a couple of cabins and a few trailer for rental also that we had someone hired to help with the cleaning duties.

Every season while we were operators, we were scheduling activities, smaller ones weekly or bi-weekly and a major one monthly to keep our campers happy and getting outsiders to come and visit and see what Bucke Park was all about. Some of these activities are, Fishing Derby Weekend, Summer long Fishing Derby, Christmas in July, Canada Day, Halloween in August, Pot Lucks, Corn Roast, Fish Fries, ATV Poker Run, Boat Poker Run, Live Concerts, Yard, Craft and Bake sales to name a few.

5-In the last few years, we have fixed up the Fish Cleaning Station, the Gazebo, the Outhouse, rebuild Wood sheds and Equipment shed. Everything was falling apart and some of these were completely demolished. We didn't ask the City to take care of that. We did it with the help of some of our Seasonal Campers.

SECTION B

PROPOSED SERVICES

1-We plan to be open for Operation the week before the May long Weekend but we as Operators will be there 2 weeks prior to get everything ready for the new season. Lodge will be used for a small convenience store, souvenir shop, camper parts and office for the park and will be open all day. Also we will get all visitors to the park and Devil's Rock Trail to sign in. Closing season would likely be one week after the Thanksgiving weekend.

Something that we would consider is having the park open till end of October for seasonal and transient since we do get a lot of transients looking for place to go camping during those dates and no campground in the area offers that. Weather permitting and with no water service of course.

2-During the 5 years leasing the park, what we would like to achieve is expand the park for the tenting industry, build a few solar power off-grid cabins for rentals, have 1-2 trailer rentals on sites and put out a few more seasonal sites for campers. There is lots of room for expansions and the demand is there.

3- We have another business selling campers, servicing them and selling camper parts. This business falls hand in hands with the campground. There is no financial stress with the camp. Seasonals campers makes most of the main income for the campground. We could survive just with that. But there will be always transients, the more they know you have nice site and clean washroom and park, they will come, rain or shine.

For Staffing we have a good group of employees already working for us and since we've been Operators at the park for the last 4 years, we already have most of the staff we need.

4- Marketing is pretty easy. We used to have our own website when we were leasing before, that will be coming back. We have a website on Facebook. We already bought souvenirs and shirts last year for advertising the park, we also advertise through social media. If the park is kept clean, including washrooms and lodge, have friendly employees that are there to help, word of mouth is the best advertising you can get. Look at the reviews for the last 3-4 years.

5-Since we were operating the park for the last 4 years, we already have all the tools and equipment to offer the services we need. We have lawn tractors, trimmers, lawn mowers, Honey wagon with 12v pump for sewage services, wood splitter, chain saws and many battery tools. All Equipment in the lodge from the cash register, all fridges, freezers, washer/dryer, shelving units, table, chairs and benches, everything belong to us. So we are basically ready for the task.

Something else we are considering getting, if we get the lease, is a Back-hoe to take care of the roads in the campground and help us with the expansions.

6- Some of the services we are planning to offer is first the lodge. We will have the main office in there to greet all campers, visitors to the park and Devil's Rock. We will have a credit/debit card terminal and planning to obtain a nice computerized booking software for campgrounds to make it easier for us. There will be a small convenience store with ice, ice-cream, snacks and drinks, a souvenir shop for Bucke Park, Devil's Rock and Temiskaming Shores items and a camper parts shop. Sometimes the lodge will be used for special events meetings also.

We do have the equipment to offer Sewage dumping services to all of our campers. We have fire wood for sale, we have lots of garbage cans with recycling services that we empty every night so no unwelcomed animals comes in the park.

We will be looking into getting Wi-Fi through-out the park. We think this service is very important and a lot of campers would be using this service daily, for a fee of course.

We are planning to have one or two on site camper trailer and two off-grid solar powered small cabins for rental for the first year. If everything works as good as we think we would build a couple more the following year. We offer our campers a full list of activities that we planned on a bi-weekly and monthly basis. As mentioned earlier some of these activities are, Fishing Derby Weekend, Summer long Fishing Derby, Christmas in July, Canada Day, Halloween in August, Kids movie night, Karaoke Night for kids and adults, Pot Lucks, Corn Roast, Fish Fries, ATV Poker Run, Boat Poker Run, Live Concerts, Yard, Craft and Bake sales. These are all activities that we put together for our campers by us in the past. And of course always weather permitting.

7- Something else we would like to offer maybe starting in the second year and if it would be feasible, would be to have the lodge open during the Winter week-ends. We would need to have water going to lodge only for washroom purposes or use the outhouse. Having the lodge open during the winter could bring a lot more activities for the campground and Temiskaming Shores. Already spoke to the Snowmobile Trail club and they would make sure the trail comes to the park. We could offer also the cabin rentals, Ice shack rentals, skating rink, soup and sandwich, etc. Would be something else to do in the Tri-Town for everyone during winter. This is something that could be discussed if we would decide to try it.

SECTION B

PROPOSED SERVICES

1 - PROJECTION FOR 2024

REVENUE: \$102,000 BEFORE HST

EXPENSES:

For Expenses, its pretty hard to foresee or determine. Hydro, cost of materials and supplies, will be going up every year and the cost to empty the septic tanks is the same.

Operating project cost will vary a lot depending what an Operator is willing to spend to upgrade the park. And also, I do know that a lot of the water headers will have to be changed in the next year or two, still a lot of 30amps power boxes are failing and needs to be changed. We did change a few the last couple of years but more will have to be changed also, all getting old. Hydro upgrades that was supposed to be done by the city but is now the operator's problem, should be done also. There is still problem with the lodge, all washroom taps should be changed to spring loaded taps, water leaking inside the lodge when raining- need to be reseal at a couple of the upper windows. Washout out from when its raining, always been a problem because ditches are not done on the road and some culvert too small to take care of the water coming down. These are all stuff that the operator will need to take care of and the expenses will be pretty high. Unless the operator just basically doesn't do much about it and lets thing like it is now.

I will do a one year projection because I don't think a five year is really reasonable at this point until whoever runs the camp, knows what all needs to be fixed and upgrade. For any other proponents do a five year financial plan without knowing really what is wrong, needs to be fixed or upgraded in the park almost make no sense, they will have a rude awakening and their financial plan will be out the window. It comes down to what an operator is willing to do to make the park better (for the City).

If any of the people at town Office or anyone else for that matter thinks that Running a campground is a get rich quick scheme, maybe they should run one themselves and see. If someone would own a campground and have 20-30 years to put in it, is a different story but to lease a campground from a Town or a city for a 5 year contract, you do it because you like it, not to get rich.

This is my expenses for Season 2024 as what I think should happen while doing some upgrades

Operating Project:	20,000.00	Lease Payment to City	15,000.00
Hydro electric:	8,000.00	50% of \$16,000.00	
Mtce/Mat/Supplies	15,000.00		
Wages/Staffing	20,000.00	TOTAL EXPENSES	\$89,000.00
Misc Insurance	6000.00		
Equipment & maint	5,000.00		

And this doesn't include money to be spent if someone is building cabins or getting campers for rental.

If accepted everything can be discussed in more details, but would really want to sign contract for the 5 year lease **but with an optional 5 years** if both parties are happy with each other. At least get offered to lease it again before putting it back for tender.

Sincerely

Sylvain Gelineau



City of Temiskaming Shores RS-RFP-006-2023
Bucke Park Operations

FORM OF PROPOSAL

Proponent's submission of bid to:

The Corporation of the City of Temiskaming Shores

Wen, SYLVAIN GELINEAU
(Registered Company Name/Individuals Name)

Of, [REDACTED]
(Registered Address and Postal Code)

Phone Number: [REDACTED] Email: [REDACTED]

We/I hereby offer to enter into an agreement for the services, as required in accordance with the Proposal for a price of (must be CDN funds and without HST):

Description	Amount
Yearly payment for the operation of Bucke Park Campground	\$15,000.00
I/we will submit the necessary proof-of-insurance and WSIB certificate within 30 days of being notified our proposal(s) have been accepted	
I/we have submitted information including but not limited to our organization's background information, our proposed services, and our proposed financial plan.	Yes <input checked="" type="checkbox"/>

Acknowledgement of Addenda

I/We have received and allowed for ADDENDA _____ NUMBER in preparing my/our proposal. _____

City of Temiskaming Shore//RS-RFP-006-2023

Bidder's Authorized Official:

SYLVAN GELINER

Title "Signature":

Owner.

Date:



Form 1 to be submitted.

OCT 25/23

City of Temiskaming Shores RS-RFP-006-2023
Bucke Park Operations

NON-COLLUSION AFFIDAVIT

I/We SYLVAIN GELIN the undersigned am fully informed respecting the preparation and contents of the attached Proposal and of all pertinent circumstances respecting such bid.

Such bid is genuine and is not a collusive or sham bid.

Neither the bidder nor any of its officers, partners, owners, agents, representatives, employees or parties of interest, including this affiant, has in any way colluded, conspired, connived or agreed directly or indirectly with any other Bidder, firm or person to submit a collective or sham bid in connection with the work for which the attached bid has been submitted nor has it in any manner, directly or indirectly, sought by agreement or collusion or communication or conference with any other bidder, firm or person to fix the price or prices in the attached bid or of any other Bidder, or to fix any overhead, profit or cost element of the bid price or the price of any bidder, or to secure through any collusion, conspiracy, connivance or unlawful agreement any advantage against the City of Temiskaming Shores or any person interested in the proposed bid.

The price or prices proposed in the attached bid are fair and proper and not tainted by any collusion, conspiracy, connivance, or unlawful agreement on the part of the Bidder or any of its agents, representatives, owners, employees, or parties in interest, including this affiant.

The bid, quotation or proposal of any person, company, corporation, or organization that does attempt to influence the outcome of any City purchasing or disposal process will be disqualified, and the person, company, corporation or organization may be subject to exclusion or suspension.

Bidder's Authorized Official: SYLVAIN GELIN

Title:

Signature:

Date:

owner
[Signature]
oct 25/23

Form 2 to be submitted.

City of Temiskaming Shores // RS-RFP-006-2023

RS-RFP-006-2023

City of Temiskaming Shores

RS-RFP-006-2023

Bucke Park Operations

Conflict of Interest Declaration

Please check appropriate response:

I/We hereby confirm that there is not nor was there any actual perceived conflict of interest in our Proposal submission or performing/providing the Goods/Services required by the Agreement.

The following is a list of situations, each of which may be a conflict of interest, or appears as potentially a conflict of interest in our Company's Proposal submission or the contractual obligations under the Agreement.

List Situations:


In making this Proposal submission, our Company has / has no (strike out inapplicable portion) knowledge of or the ability to avail ourselves of confidential information of the City (other than confidential information which may have been disclosed by the City in the normal course of the RFP process) and the confidential information was relevant to the Work/Services, their pricing or quotation evaluation process.

Signature:

Bidder's Authorized Official:

Title:

Company Name:


SYLVAIN GELIN
owner.
SYLVAIN GELIN de GARAGE RV SALES

Form 3 to be submitted.

City of Temiskaming Shores //RS-RFP-006-2023


City of Temiskaming Shores
RS-RFP-006-2023
Bucke Park Operations

Accessibility for Ontarians with Disabilities Act, 2005 Compliance
Agreement

I/We, by our signature below, certify that we are in full compliance with Section 6 of Ontario Regulation 429/07, Accessibility Standards for Customer Service made under the Accessibility for Ontarians with Disabilities Act, 2005. If requested, we are able to provide written proof that all employees have been trained as required under the act.

This regulation establishes accessibility standards for customer service as it applies to every designated public sector organization and to every person or organization that provides goods or services to members of the public or other third parties and that have at least one employee in Ontario.

Name: SYLVAN GELINEAU Company Name: SYLVAN GELINEAU

Phone Number:  Email: C GsfZzvK.

I, SYLVAN GELINEAU, declare that I, or my company, are in full compliance with Section 6 of Ontario Regulation 429/07, Accessibility Standards for Customer Service under the Accessibility for Ontarians with Disabilities Act, 2005.

OR

I, _____, declare that I, or my company, are NOT in full compliance with Section 6 of Ontario Regulation 429/07, Accessibility Standards for Customer Service under the Accessibility for Ontarians with Disabilities Act, 2005, yet fully agree to meet the required compliance training standards on or before the delivery of the required goods and/or services. In an effort to assist non-compliant vendors, please visit: <https://www.ontario.ca/paee/how-train-yourstaff-accessibility>.



Form 4 to be submitted.



City of Temiskaming Shores
Administrative Report

Subject: Memorial Bench and Tree Policy
Revision

Report No.: RS-030-2023

Agenda Date: December 19, 2023

Attachments

Appendix 01: Proposed Revised Memorial Bench and Tree Policy (**Please see draft by-law No. 2023-140**)

Recommendations

It is recommended:

1. That Council for the City of Temiskaming Shores acknowledges receipt of Administrative Report RS-030-2023;
2. That Council directs staff to repeal By-law 2020-114 and to prepare the necessary by-law to adopt a revised Memorial Bench and Tree Program Policy for consideration at the December 19, 2023, Regular Council Meeting.

Background

The City of Temiskaming Shores Recreation Department operates a Memorial Bench and Tree Program which allows the public to purchase memorial items for installation within City parks and greenspaces. The program currently operates under By-Law 2020-114 however, it was first implemented by the Town of New Liskeard as a way to commemorate the Town's 100th anniversary. Since 2013 the program has continued with yearly installations of benches and trees throughout the municipality.

The current program operates with a single intake of applications from January to April each year. City staff then confirm details of the memorial items with the public applicants, purchases the required items from our suppliers and installs the items during summer operations.

Analysis

The program continues to be popular amongst the public with approximately 15-20 applications each year. Staff wish to modify the policy to expand the scope of the program to also include options for the public to place memorial items within City cemeteries. The

revised policy also includes updated wording and some additional clauses streamlining and clarifying how the program works.

Relevant Policy / Legislation / City By-Law

- By-law 2020-114

Consultation / Communication

- Consultation with the Superintendent of Parks and Facilities
- Consultation with the Clerk

Financial / Staffing Implications

This item has been approved in the current budget: Yes ☐ No ☐ N/A ☒

This item is within the approved budget amount: Yes ☐ No ☐ N/A ☒

The Memorial Bench and Tree Program is setup to ensure a yearly surplus based on expected costs of these items. The surplus is used to offset ongoing maintenance costs of previously installed memorial items.

Climate Considerations

After review with the City's Climate Lens, no considerations for increased CO2 emissions, or temperature and precipitation adaptation were noted based on the proposed change. In general, the existence of this policy whereby additional trees are planted on city property, has a net positive impact on temperature and precipitation adaptation.

Alternatives

1. Council could direct staff to continue the current program as per By-law 2020-114.
2. Council could repeal By-law 2020-114 without a replacement thereby ending the program.



Submission

Prepared by:

Reviewed and submitted for Council's
consideration by:

"Original signed by"

"Original signed by"

Mathew Bahm
Director of Recreation

Amy Vickery
City Manager

Subject: Shaver Park Donation

Report No.: RS-031-2022

Agenda Date: December 19, 2023

Attachments

Appendix 01: Draft Agreement **(Please refer to By-law No. 2023-141)**

Recommendations

It is recommended:

1. That Council for the City of Temiskaming Shores acknowledges receipt of Administrative Report RS-031-2023; and
2. That Council directs staff to prepare the necessary by-law to enter into a funding agreement with the AC15 Hockey Tournament for a donation towards the refurbishment of the Shaver Park outdoor rink in the amount of \$50,000 for consideration at the December 19, 2023, Regular Council meeting.

Background

Shaver Park is located on Queen Street in North Cobalt. It is classified as a community park within the City's Recreation Master Plan and is the only community park within North Cobalt. Shaver Park boasts an outdoor rink, half-court basketball court, play structures and a warming shack.

In 2023, a representative of the AC15 Hockey Tournament approached the City to discuss possible projects that they could donate funding to. Various projects were discussed with both parties ultimately agreeing on pursuing a renovation to the Shaver Park Outdoor Rink.

The proposed project would see asphalt placed on the outdoor rink surface, fencing behind each goal replaced, and a bicycle training course painted on the new asphalt surface. The purpose of the project is to create a new summer space that residents can utilize for activities such as ball hockey, roller hockey, cycling, rollerblading etc. There are currently no spaces offered by the city for summer ball hockey or roller hockey and having more spaces for unstructured play is important for the recreational needs of residents.

The total cost of this project is estimated to be \$95,000.

This project has been included in the proposed 2024 Capital Budget with funding to be provided by AC15 and another outside funder as part of a larger grant request for upgrades to Farr Park. If this larger funding request is unsuccessful, the City would be able to reallocated Capital dollars to fulfil requirements for this donation agreement.

Analysis

This type of project will expand the recreational opportunities in the south end of the City, providing a new, safe space for children to cycle and rollerblade off the street. Additionally, having a paved surface will speed up the ice making process each winter as the current gravel surface requires very large amounts of water to build a base before it is suitable for skating.

As well, the current fencing at the facility is in need to life-cycle replacement. Installing new fencing will ensure no errant projectiles from the playing surface make their way to nearby neighbours property.

A proposed donation agreement is attached as Appendix 02.

Relevant Policy / Legislation / City By-Law

- Recreation Master Plan

Consultation / Communication

- Consultation with City Manager throughout the project

Financial / Staffing Implications

This item has been approved in the current budget: Yes ☐ No ☐ N/A ☒

This item is within the approved budget amount: Yes ☐ No ☐ N/A ☒

The total cost of this project is estimated to be \$95,000 which has been included in the proposed 2024 Capital Budget. Matching funds are currently being sought as part of a larger proposal for funding improvements to Farr Park. Should the City be unsuccessful with this funding application, the City would be able to reallocated Capital dollars to fulfil requirements for this donation agreement.



Alternatives

Council could direct staff to decline this donation offer.

Submission

Prepared by:

Reviewed and submitted for
Council's consideration by:

Original signed by

Original signed by

Mathew Bahm
Director of Recreation

Amy Vickery
City Manager



City of Temiskaming Shores
Administrative Report

Subject: Animal Pound RFQ Award

Report No.:

RS-032-2023

Agenda Date:

December 19, 2023

Attachments

Appendix 01: RS-RFQ-007-2023 Submission Summary

Appendix 02: Tem-Pro Construction Submission

Appendix 03: Draft Agreement (**Please refer to By-law No. 2023-142**)

Recommendations

It is recommended:

1. That Council for the City of Temiskaming Shores acknowledges receipt of Administrative Report RS-032-2023; and
2. That Council directs staff to prepare the necessary by-law to enter into an agreement with 2782917 Ontario Inc. o/a Tem-Pro Construction for the renovation of the Haileybury Service Marina to an Animal Pound, with an upset limit of \$74,000, plus applicable taxes, for consideration at the December 19, 2023, Regular Council meeting.

Background

On June 6, 2023, Council directed staff to implement a Pilot Program for Animal Care and Control.

Since that time, the current Animal Control and Pound Service Contract was terminated effective November 30, 2023. Moving forward, the City will be providing Animal Control and Pound services and therefore a licensed pound facility is required.

On October 24, 2023, the City Manager, with input from the Animal Care & Control Review Team, finalized the design documents for a renovation to the Haileybury Service Marina. The renovation will update the Haileybury Service Marina to allow for the impounding of animals as part of the Animal Care and Control Pilot program.

On October 25, 2023, staff released RS-RFQ-007-2023 – Animal Pound Renovations to both the City website and Bidding. The RFQ had a closing date of December 7th, 2023.

The renovation's scope includes the creation of a new wall to separate a Recreation Staff area from the new Animal Pound area. A new animal bath room is to be created at the front of the building, the floor in the garage area is to be repaired and sealed and five dog crates are to be built for installation in the garage among other items within the scope of work.

Staff held a non-mandatory site meeting for interested bidders on November 22, 2023, with seven (7) potential bidders being represented at the meeting.

Analysis

Two submissions were received in response to RS-RFQ-007-2023 by the closing date of December 7, 2023, at 2:00pm.

The RFQ opening summary is included in Appendix 01, and summarized as follows:

- | | |
|--|---------------|
| 1. 2782917 Ontario Inc. o/a Tem-Pro Construction | \$ 74,000.00 |
| 2. DKI MSP Construction & Restoration | \$ 157,866.80 |

The submissions were reviewed for completeness and required elements with no issues being identified.

Staff engaged with representatives of Tem-Pro Construction regarding their bid for this project. Staff identified that the submitted bid is higher than the proposed project budget in the 2024 Capital budget, and there is a desire to lower this cost. Tem-Pro Construction agreed to review City requirements to determine if savings could be identified while maintaining the general scope of the project. Three areas were identified and will be reviewed by Tem-Pro Construction with results being brought forward to staff:

1. Garage floor product and specifications
2. Dog kennel construction
3. Warranty and other requirements

Since the project is time dependent and Tem-Pro Construction is proposing a January 8, 2024 mobilization date, staff are recommending that the project be awarded for an upset limit of \$74,000 with any proposed cost savings agreed to by both parties to be captured in future change orders.

Both parties are cautiously optimistic that savings can be found to bring down the total cost of the project.

In addition to the work being undertaken as part of this RFQ, a number of other items must be purchased by the City to complete this project. Those items include:

1. Purchase and installation of a shipping container for Recreation Department Summer equipment – \$9,850
2. Purchase of equipment for installation by the successful bidder of RS-RFQ-007-2023 including cat crates, washer/dryer combo, shower surround and basin, light fixtures, exhaust fan and shower head. - \$4,100
3. Purchase of a HRV for both the cat room and the dog room - \$1,900

The total estimated cost of these additional items is \$15,850.00, which will now be purchased as part of the 2024 Operations budget.

The renovation has been designed so that improvements are not specific to the pilot animal pound and instead provide value for future City use if the pilot is unsuccessful.

Relevant Policy / Legislation / City By-Law

- Draft 2024 Municipal Operational Budget
- Draft 2024 Municipal Capital Budget
- [By-Law No. 2017-015, Procurement Policy](#)

Consultation / Communication

- Consultation with the City Manager
- Consultation with the City's designer

Financial / Staffing Implications

This item has been approved in the current budget: Yes ☐ No ☐ N/A ☒

This item is within the approved budget amount: Yes ☐ No ☒ N/A ☐

The total budget proposed for this renovation is \$35,000 and was included in the proposed 2024 Capital budget. This was an increase from the original project budget included in the [Animal Control Service Transition Report](#) received by Council at the June 6, 2023 Committee of the Whole Meeting.



In light of the submissions received, staff have increased the proposed budget for this project from \$35,000 to \$75,000 in the 2024 Capital budget.

Climate Considerations

After review with the City's Climate Lens, no considerations for increased CO2 emissions, or temperature and precipitation adaptation were noted.

Alternatives

Council could direct staff to cancel RS-RFQ-007-2023.

Submission

Prepared by:

Reviewed and submitted for
Council's consideration by:

"Original signed by"

"Original signed by"

Mathew Bahm
Director of Recreation

Amy Vickery
City Manager

Document Title: **RS-RFQ-007-2023 – Animal Pound Renovations**


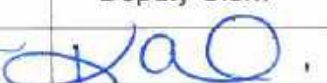
Closing Date: **Thursday, December 7, 2023**

Closing Time: **2:00 p.m.**

Department: **Recreation**

Opening Time: **2:30 p.m.**

Attendees via teleconference: **705-672-2733 Ext. 4000**
City of Temiskaming Shores:

Logan Belanger Municipal Clerk	Kelly Conlin, Deputy Clerk	Mathew Bahm, Director of Recreation	
			

Others (teleconference):

Joey, Tem Pro		
Darcy, Tem Pro		

Submission Pricing

Bidder: **2782917 Ontario Cenc- TemPro Construction.**

Description	Amount
Lump sum price per scope of work (exclusive of HST):	\$ 74,000.00
Estimated Mobilization Date:	January 8, 2024
Estimated Completion Date:	March 29, 2024

Bidder: **DK1 MSP Construction & Restoration**

Description	Amount
Lump sum price per scope of work (exclusive of HST):	\$157,866.80
Estimated Mobilization Date:	February 1, 2024
Estimated Completion Date:	March 22, 2024

Bidder: N/A

Description	Amount
Lump sum price per scope of work (exclusive of HST):	
Estimated Mobilization Date:	
Estimated Completion Date:	

Bidder: N/A

Description	Amount
Lump sum price per scope of work (exclusive of HST):	
Estimated Mobilization Date:	
Estimated Completion Date:	

Bidder: N/A

Description	Amount
Lump sum price per scope of work (exclusive of HST):	
Estimated Mobilization Date:	
Estimated Completion Date:	

Note: All offered prices are offers only and subject to scrutiny. Submissions will be reviewed for errors, omissions and accuracy by municipal staff prior to any awarding. All proponents whether successful or not will be notified of results, in writing at a later date.

**City of Temiskaming Shores
RS-RFQ-007-2023
Animal Pound Renovations**

Form of Quotation

Each Quotation should contain the legal name under which the Proponent carries on business, telephone number and email, as well the name or names of appropriate contact personnel which the City may consult regarding the Quotation. We, the undersigned, understand and accept those specifications, conditions, and details as described herein, and, for these rates/prices offer to furnish all equipment, labor, apparatus and documentation as are required to satisfy this Quotation (all prices must be CDN funds and without HST):

NOTE: All portions of "Form of Quotation" must be accurately and completely filled out.

Lump sum price per scope of work (exclusive of HST)	\$ 74,000 .00
Estimated Mobilization Date:	Jan 8 2024
Estimated Completion Date:	March 29 2024

Acknowledgement of Addenda

I/We have received and allowed for ADDENDA NUMBER 1&2 in preparing my/our Quotation.

Company Name:

2782917 Ontario Inc. o/a Tem-Pro Construction

Mailing Address:

[REDACTED]

Postal Code:

P0J1K0

Telephone:

[REDACTED]

Email:

[REDACTED]

Bidder's Authorized Official:

Darcey Mercier

Title:

Owner/Managing Director

Authorizing Signature:

Darcey Mercier

Date:

Dec 6th 2023

Contact name (if different
from authorizing official):

Contact's email:

[REDACTED]

Form 1 to be submitted.

**City of Temiskaming Shores
RS-RFQ-007-2023
Animal Pound Renovations**

Non-Collusion Affidavit

I/ We Darcey Mercier the undersigned am fully informed respecting the preparation and contents of the attached Quotation and of all pertinent circumstances respecting such bid.

Such bid is genuine and is not a collusive or sham bid.

Neither the bidder nor any of its officers, partners, owners, agents, representatives, employees or parties of interest, including this affiant, has in any way colluded, conspired, connived or agreed directly or indirectly with any other Bidder, firm or person to submit a collective or sham bid in connection with the work for which the attached bid has been submitted nor has it in any manner, directly or indirectly, sought by agreement or collusion or communication or conference with any other bidder, firm or person to fix the price or prices in the attached bid or of any other Bidder, or to fix any overhead, profit or cost element of the bid price or the price of any bidder, or to secure through any collusion, conspiracy, connivance or unlawful agreement any advantage against the City of Temiskaming Shores or any person interested in the proposed bid.

The price or prices proposed in the attached bid are fair and proper and not tainted by any collusion, conspiracy, connivance or unlawful agreement on the part of the Bidder or any of its agents, representatives, owners, employees, or parties in interest, including this affiant.

The bid, quotation or Quotation of any person, company, corporation or organization that does attempt to influence the outcome of any City purchasing or disposal process will be disqualified, and the person, company, corporation or organization may be subject to exclusion or suspension.

Dated at: Moonbeam, ON this 6th day of December, 2023.

Signature: *Darcey Mercier*

Bidder's Authorized Official: Darcey Mercier

Title: Owner/Managing Director

Company Name: Tem-Pro Construction

Form 3 to be submitted.

**City of Temiskaming Shores
RS-RFQ-007-2023
Animal Pound Renovations**

List of Proposed Sub-Contractors

Name	Address	Component
Helm&Sons Plumbing, Heating, Electrical	[REDACTED]	Plumbing, ducts, electrical
Everline Coating & Services	[REDACTED]	Epoxy floors
New Liskeard Metal Works	[REDACTED]	Animal cages

I / We verify that the information provided above is accurate and that the individuals are qualified, experienced operators capable of completing the work outlined in this Quotation document.

Signed by Company Official

Darcey Mercier

Printed



Signed

Form 2 to be submitted.

**City of Temiskaming Shores
RS-RFQ-007-2023
Animal Pound Renovations**

Conflict of Interest Declaration

Please check appropriate response:

☒ I/We hereby confirm that there is not nor was there any actual perceived conflict of interest in our Quotation submission or performing/providing the Goods/Services required by the Agreement.

☐ The following is a list of situations, each of which may be a conflict of interest, or appears as potentially a conflict of interest in our Company's Quotation submission or the contractual obligations under the Agreement.

List Situations:

In making this Quotation submission, our Company has / has no (*strike out inapplicable portion*) knowledge of or the ability to avail ourselves of confidential information of the City (other than confidential information which may have been disclosed by the City in the normal course of the RFQ process) and the confidential information was relevant to the Work/Services, their pricing or quotation evaluation process.

Dated at: Moonbeam, ON this 6th day of December , 2023.

Signature:

Bidder's Authorized Official:

Title:

Company Name:

 Darcey Mercier

 Owner/Managing Director

 Tem-Pro Construction

Form 4 to be submitted.

Tem-Pro - 2782917 Ontario Inc.

201 Scott St
New Liskeard ON P0J 1P0
+1 7053321284
joey@tem-pro.ca
www.tem-pro.ca
GST/HST Registration No.: 706682473RT0001



Estimate

ADDRESS
Logan Belanger

ESTIMATE 1009
DATE 06/12/2023
E PIRATION DATE 15/02/2024

DATE	PRODUCT/SERVICE	DESCRIPTION	TAX	QTY	RATE	AMOUNT
	Carpenter	Floor prep and epoxy coating	HST ON	1	35,000.00	35,000.00
	Carpenter	Plumbing and electrical	HST ON	1	10,000.00	10,000.00
	Carpenter	Animal cage; build and install	HST ON	1	10,000.00	10,000.00
	Carpenter	Demolition, preparation, and material disposal	HST ON	1	3,500.00	3,500.00
	Carpenter	Framing; All walls and door openings	HST ON	1	5,000.00	5,000.00
	Carpenter	Drywall; mud & tape	HST ON	1	4,500.00	4,500.00
	Carpenter	Prime and paint	HST ON	1	4,000.00	4,000.00
	Carpenter	Fixture in tallation	HST ON	1	1,500 00	1,500 00
	Carpenter	Site cleanup	HST ON	1	500.00	500.00

SUBTOTAL	74,000.00
HST (ON) @ 13%	9,620 00
TOTAL	\$83,620.00

TAX SUMMARY

RATE	TAX	NET
HST (ON) @ 13%	9,620.00	74,000.00

Accepted By

Accepted Date

The Corporation of the City of Temiskaming Shores

By-law No. 2023-124

Being a by-law to enter into a Data Sharing Agreement with G-Tel Engineering to use the Spatial GIS and Mapping data in electronic format, for the purpose of the Community Network Partners Dedicated Locator Regional Project for Fibre to The Home

Whereas under Section 8 of the Municipal Act, 2001, S.O. 2001, c. 25, as amended, the powers of a municipality shall be interpreted broadly to enable it to govern its affairs as it considers appropriate and to enhance the municipality's ability to respond to municipal issues; and

Whereas under Section 9 of the Municipal Act, 2001, S.O. 2001, c.25, as amended, a municipality has the capacity, rights, powers and privileges of a natural person for the purpose of exercising its authority under this or any other Act; and

Whereas under Section 10 (1) of the Municipal Act, 2001, S.O. 2001, c.25, as amended, a single-tier municipality may provide any service or thing that the municipality considers necessary or desirable for the public; and

Whereas Council considered Memo No. 032-2023-PW at the December 5, 2023 Committee of the Whole meeting, and directed staff to prepare the necessary by-law and agreement with the Dedicated Locator for the use of Spatial GIS and Mapping data in electronic format, to confirm at the December 19, 2023 Regular Council meeting; and

Whereas Council considered Memo No. 035-2023-PW at the December 19, 2023 Regular Council meeting, to update the dedicated locator company to G-Tel Engineering for the purpose of entering into an agreement for the use of Spatial GIS and Mapping data in electronic format, for consideration at the December 19, 2023 Regular Council meeting.

Now therefore the Council of The Corporation of the City of Temiskaming Shores hereby enacts the following as a by-law:

1. That the Mayor and Clerk be authorized to enter into a Data Sharing Agreement with G-Tel Engineering to use the Spatial GIS and Mapping data in electronic format, for the purpose of the Community Network Partners Dedicated Locator Regional Project for Fibre to The Home, a copy of which is attached hereto as Schedule "A" and forming part of this by-law.
2. That the Clerk of the City of Temiskaming Shores is hereby authorized to make minor modifications or corrections of a grammatical or typographical nature to the by-law and schedule, after the passage of this by-law, where such modifications or corrections do not alter the intent of the by-law or its associated schedule.

Read a first, second and third time and finally passed this 19th day of December, 2023.

Mayor

Clerk



Schedule "A" to
By-law No. 2023-124
Lease Agreement between

The Corporation of the City of Temiskaming Shores

And

G-Tel Engineering

to use the Spatial GIS and Mapping data in electronic format for the purpose of the
Community Network Partners Dedicated Locator Regional Project for Fibre to The
Home

This Agreement made this 19th day of December, 2023.

Between:

The Corporation of the City of Temiskaming Shores
(hereinafter called the "City")

And:

G-Tel Engineering
(hereinafter called the "User")

Whereas the City of Temiskaming Shores will transfer to the User a copy of the requested digital information within the specified study area. Hereinafter referred to as the "Digital Information" as outlined in Appendix 01 to this Agreement; and

Whereas the User agrees to use the information for their own internal use, subject to the terms and conditions hereinafter set forth:

1. The User acknowledges that the Digital Information, which has been licenced to or prepared and/or published by the City of Temiskaming Shores, is protected under the Copyright Act. The User may make a copy of the Digital Information for the purpose of backup only, not to be used except in the event that the primary copy is damaged, destroyed, or lost. The User shall not alter or otherwise duplicate or distribute the Digital Information in the whole or in part, in any form or format whatsoever without the prior written permission of the City;
2. The User shall not lend, sell, transfer or license the Digital Information or otherwise assign any rights under this Agreement to any third party without the prior written permission of the City;
3. Other than the backup copy, if the User wishes to make any other copies of the Digital Information for internal use or for use in another project outside the scope of this agreement, authorization in writing for such secondary copies must be obtained from the City prior to any copies being made;
4. The User hereby releases, indemnifies and holds harmless the City, their officers, servants and agents against all claims, demands, actions, losses, damages and costs arising from or attributable to the provision of, or use of, the Digital Information;
5. The User agrees that the Digital Information that is made available for use by the City is provided as such on an "as is" basis without any other warranties, representations or conditions of merchantable quality, fitness for a particular purpose, or those arising by law or by statute. The entire risk as to the results and performance of the Digital Information is assumed by the User accepting the Digital Information, including without limitation, the risk as to whether or not the

Digital Information contains errors, omissions and/or other problems that could cause system failures;

6. The User shall preserve and protect the rights of the City with respect to use of the Digital Information and shall be fully responsible to the City for acts and omissions of the Users subcontractors and persons directly or indirectly employed by the User;
7. The Agreement shall be interpreted in accordance with the laws in force in the Province of Ontario, Canada.
8. All copies of all data and information (including digital and hard copies) will be destroyed by the User or returned to the City at the conclusion of the project. The User will not retain copies of the provided Digital Information.

This agreement will be in force until the Project Completion Date, or the City of Temiskaming Shores agrees that it is terminated.

Project Name: Community Network Partners Dedicated Locator Regional Project for Fibre to The Home

Project Completion Date: March 31, 2024

Remainder of this page left intentionally blank.

In witness whereof the parties have executed this Agreement the day and year first above written.

Signed and Sealed in
the presence of

G-Tel Engineering

Signature

Name/ Title (printed): _____

Municipal Seal

**The Corporation of the City of Temiskaming
Shores**

Mayor – Jeff Laferriere

Clerk – Logan Belanger

Appendix 01: Data Sharing Agreement

The following Dataset will be included in this Data Sharing Agreement between the City of Temiskaming Shores and G-Tel Engineering for the Community Network Partners Dedicated Locator Regional Project for Fibre to The Home.

Data:

1. Data link to Esri format GIS layers containing municipal owned infrastructure.
2. Curbstop locations for areas of Haileybury and North Cobalt in shape file UTM NAD83 Zone 17 coordinate format if requested by Users.
3. Any Pictures or scanned infrastructure as-built drawings if necessary and/or requested by Users if available.

The Corporation of the City of Temiskaming Shores

By-law No. 2023-125

Being a by-law to enter into an agreement with Food Cycle Science Corporation for the supply and delivery of the FoodCycler product, and for assistance with the management of the Pilot Project (100 households)

Whereas under Section 8 of the Municipal Act, 2001, S.O. 2001, c.25, as amended, the powers of a municipality shall be interpreted broadly to enable it to govern its affairs as it considers appropriate and to enhance the municipality's ability to respond to municipal issues; and

Whereas under Section 9 of the Municipal Act, 2001, S.O. 2001, c.25, as amended, a municipality has the capacity, rights, powers and privileges of a natural person for the purpose of exercising its authority under this or any other Act; and

Whereas under Section 10 (1) of the Municipal Act, 2001, S.O. 2001, c.25, as amended, a -tier municipality may provide any service or thing that the municipality considers necessary or desirable for the public; and

Whereas Council considered Administrative Report No. PW-027-2023 at the December 5, 2023 Committee of the Whole meeting, and directed staff to prepare the necessary by-law to enter into an agreement with Food Cycle Science Corporation for the supply and delivery of the FoodCycler product, and to help with the management of the Pilot Project based on 100 households, for an estimated net municipal cost of \$12,500.00 plus HST, for consideration at the December 19, 2023 Regular Council meeting.

Now therefore the Council of The Corporation of the City of Temiskaming Shores hereby enacts the following as a by-law:

1. That the Mayor and Clerk be authorized to enter into an agreement with Food Cycle Science Corporation, for the supply and delivery of the FoodCycler product, and to help with the management of the Pilot Project based on 100 households, for an estimated net municipal cost of \$12,500.00 plus HST, a copy attached hereto as Schedule "A" and forming part of this by-law.
2. That the Mayor and Clerk have the delegation of authority to execute any and all required documentation and amendments, on behalf of the City of Temiskaming Shores, as required under the Agreement, as long as the amendments do not create any financial liability for the City that is beyond a budget approved by Council.

3. That the Clerk of the City of Temiskaming Shores is hereby authorized to make minor modifications or corrections of a grammatical or typographical nature to the by-law and schedule, after the passage of this by-law, where such modifications or corrections do not alter the intent of the by-law.

Read a first, second and third time and finally passed this 19th day of December, 2023.

Mayor

Clerk



Schedule "A" to

By-law No. 2023-125

Agreement between

The Corporation of the City of Temiskaming Shores

and

Food Cycle Science Corporation

for the supply and delivery of the FoodCycler product, and to help with the management of the Pilot Project based on 100 households



FOODCYCLER™ MUNICIPAL FOOD WASTE DIVERSION PILOT PROGRAM



City of Temiskaming Shores
325 Farr Drive, P.O Box 2050
Haileybury, ON P0J 1K0
(705) 672-3363

Wednesday, November 1, 2023

The FoodCycler™ Food Waste Diversion Municipal Pilot Program

Dear City of Temiskaming Shores Staff and Council,

Thank you for your interest in food waste diversion in your community. Food Cycle Science (FCS) is a social purpose organization born from the alarming fact that 63% of food waste is avoidable and responsible for about 10% of the world's greenhouse gas emissions. FCS has developed an innovative solution that reduces food waste in landfills, takes more trucks off the road, reduces infrastructure and collection costs, and contributes to a 95% reduction in CO₂E compared to sending food to landfills. We deploy our patented technology to households around the world, helping them take ownership of their food waste and environmental impact.

In partnering with municipalities, we are committed to creating accessible food waste solutions for all people and changing the way the world thinks about food waste. The purpose of the FoodCycler™ Pilot Program is to measure the viability of on-site food waste processing technology as a method of waste diversion. By reducing food waste at home, you can support your environmental goals, reduce residential waste, reduce your community's carbon footprint, and extend the life of your community's landfill(s).

Based on several factors, we believe the City of Temiskaming Shores would be a great fit for the benefits of this program, and we are proposing a study involving 100 households in the City of Temiskaming Shores.

The **FoodCycler FC-30** and **Eco 5** devices can process 2.5 L and 5 L (respectively) of food waste per cycle and converts it into a nutrient-rich by-product that can be used to enrich your soil. Power consumption per cycle is ~0.8 kWh (FC-30) / ~1.3 kWh (Eco 5) and takes less than 8 hours to complete (overnight).

Every FoodCycler deployed is estimated to divert at least 2 tonnes of food over its expected lifetime. Based on market rates of \$100 per tonne of waste (fully burdened), 100 households participating would divert 200 tonnes of food waste and save the municipality an estimated \$20,000.00 in costs. Please note that this analysis is based on market rates and depending on remaining landfill lifespan and closure costs, local rates for waste disposal may vary.

Every tonne of food waste diverted from landfill is estimated to reduce greenhouse gas emissions by 1.3 tonnes of CO₂e before transportation emissions. Based on this, 100 households could divert approximately 260 tonnes of greenhouse gas emissions.

Food Cycle Science is excited to have you on board for this exciting and revolutionary program. The FoodCycler™ Municipal Solutions Team is always available to answer any questions you might have.

Warm regards,

The FoodCycler™ Municipal Team



Impact Canada/AAFC Food Waste Reduction Challenge

Food Cycle Science is a finalist of Impact Canada's Food Waste Reduction Challenge, which is a three-stage initiative from the Government of Canada through Agriculture and Agri-Food Canada to support business model solutions that prevent or divert food waste at any point from farm to plate. FoodCycler has been chosen as a finalist for our project titled: "Residential On-Site Food Waste Diversion for Northern, Rural, and Remote Communities".

The challenge objectives and assessment criteria are for solutions that:

1. **Can measurably reduce food waste** – in dollars and metric tonnes;
2. **Are innovative and disruptive to the status quo** – the old way of doing business is out;
3. **Are ready to scale up** – it is time to deploy high-impact and wide-reaching solutions across the Canadian food supply chain;
4. **Have a strong business case** – there is a demand for your solution;
5. **Make a difference to our communities** – creating jobs and increasing access to safe, nutritious, and high-quality food is a priority; and,
6. **Improve our environment** – reducing food waste means shrinking our GHG footprint and conserving natural resources.

As a finalist, Food Cycle Science is the recipient of a \$400,000 grant that is being 100% redistributed to our Canadian municipal partners in support of their FoodCycler initiatives and pilot programs. Based on several factors, FoodCycler believes the City of Temiskaming Shores would be an ideal *"Implementation Partner"* for this stage of the challenge and we are proposing a study involving 100 households in the City of Temiskaming Shores, wherein Food Cycle Science will contribute a portion of this grant money towards offsetting the costs of your program.

More information can be found here: <https://impact.canada.ca/en/challenges/food-waste-reduction-challenge>



As of the date of this proposal, there are a total of 107 Canadian municipalities who have signed on to participate in a FoodCycler program. Through this partnership, the City of Temiskaming Shores can achieve immediate and impactful benefits, acquire valuable insight about food waste diversion in your region, and showcase itself as an environmental leader and innovator in Canada.

Food Cycle Science is looking to achieve the following through this proposed partnership:

- 🌱 Receive high-quality data from pilot program participants regarding food waste diversion
- 🌱 Receive high-quality feedback from residents, staff, and council regarding the feasibility of a FoodCycler food waste diversion program for the City of Temiskaming Shores and similar communities
- 🌱 Demonstrate the viability of our technology and solutions in a municipal setting so the model can be re-deployed in other similar communities in Canada
- 🌱 Demonstration of a program regarding food waste diversion in small/rural Canada to support Phase 3 of Impact Canada's Food Waste Reduction Challenge

The City of Temiskaming Shores would receive several benefits through this partnership:

- 🌱 Opportunity to trial a food waste diversion solution at a cost well below market prices utilizing federal funding intended for food waste reduction in our country
- 🌱 Reduced residential waste generation thus increasing diversion rates
- 🌱 Reduced costs associated with waste management (collection, transfer, disposal, and landfill operations)
- 🌱 The reduction of greenhouse gas (GHG) emissions from transportation and decomposition of food waste in landfills
- 🌱 Extend the life of your landfill(s)
- 🌱 Opportunity to support Canadian innovation and clean tech
- 🌱 Opportunity to provide residents with an innovative solution that reduces waste and fights climate change, at an affordable price
- 🌱 Obtaining data that could be used to develop a future organic waste diversion program

Residents of the City of Temiskaming Shores would receive several benefits through this partnership:



- 🌱 Opportunity to own an at-home food waste diversion solution at a cost well below market prices
- 🌱 Support climate change goals by reducing waste going to landfill
- 🌱 Ability to fertilize their garden soil by generating a nutrient-rich soil amendment
- 🌱 Reduce the "ick factor" of garbage to keep animals and vermin away
- 🌱 Reduce trips to the waste site and save on excess waste fees where applicable

In the pages that follow, we will offer a pilot program recommendation for consideration.



The FoodCycler Product Family

The FoodCycler product family offers closed-loop solutions to food waste, with zero emissions or odours. This sustainable process reduces your organic waste to a tenth of its original volume. Small and compact, FoodCycler products can fit anywhere. They operate quietly and efficiently, using little energy.

FOODCYCLER™ FC-30				FOODCYCLER™ Eco 5
	2.5 L	VOLUME CAPACITY	5.0 L	
30.5 L	UNIT VOLUME	28.9 L		
4-8 HOURS	PROCESSING TIME	4-8 HOURS		
0.8 kWh	POWER CONSUMPTION PER CYCLE	1.3 kWh		
2 REFILLABLE FILTERS	ODOUR CONTROL	1 REFILLABLE FILTER		
BACK	VENT LOCATION	TOP		



Recycle Your Food Waste in 3 Easy Steps

Step 1:

Place your food waste into the FoodCycler™ bucket. The FoodCycler™ can take almost any type of food waste, including fruit and vegetable scraps, meat, fish, dairy, bones, shells, pits, coffee grinds and filters, and even paper towels.



Step 2:

Place the FoodCycler™ bucket into your FoodCycler™ machine. The FoodCycler™ machine can be used anywhere with a plug such as a kitchen countertop, basement, laundry room, heated garage, etc.



Step 3:

Press Start. In 8 hours or less, your food waste will be transformed into a nutrient rich soil amendment that can be integrated back into your soil. The cycle runs quietly and with no odours or GHG emissions.

FoodCycler Funded Pilot Program – Subsidy Model

FoodCycler FC-30



Retail Price
= \$500



FoodCycler
Discount = \$200



Impact Canada
Investment = \$50



Municipal
Subsidy = \$100



Resident Cost
= \$150

FoodCycler Eco 5



Retail Price
= \$800



Food Cycle
Science
Discount = \$250



Impact Canada
Investment = \$150



Municipal
Subsidy = \$100



Resident Cost
= \$300

FoodCycler Funded Pilot Program Recommendation and Details

Based on the demographics and current waste management system in place at the City of Temiskaming Shores, Food Cycle Science is recommending a pilot program involving 100 households.

The funded pilot program is based on a cost subsidy model where Food Cycle Science provides an initial discount, we contribute an investment from AAFC/Impact Canada, the City of Temiskaming Shores provides a subsidy, and the resident provides the remaining contribution. The purpose of this model is to make this technology accessible to more Canadians at an affordable price.

The total investment from AAFC/Impact Canada for a 100 household pilot would amount to **\$10,000.00¹**. The funding period for AAFC/Impact Canada ends when all funding has been fully allocated, or by December 31st 2023.

Through this partnership-based program, the **municipal investment for City of Temiskaming Shores is \$100.00 per household**, regardless of which device is selected. Residents will then have the option to choose the FoodCycler™ model that best suits their household and budget.

Each FoodCycler™ is estimated to divert at least 2 tonnes of food over its expected lifetime. Based on average market rates of \$100 per tonne of waste (fully burdened), 100 households participating would divert 200 tonnes of food waste and save the municipality an estimated **\$20,000.00** in costs.

Total Invoiced Amount

	Price	Quantity	Total
FoodCycler FC-30 Municipal Rate	\$250	50	\$12,500
FoodCycler Eco 5 Municipal Rate	\$400	50	\$20,000
Shipping Estimate			\$2,500
Total Invoice Amount			\$35,000

Plus applicable taxes.

Net Municipal Cost:

	Price	Quantity	Total
Total Invoice Amount			\$35,000
Less Resident Resale: FC-30	\$150	50	\$-7,500
Less Resident Resale: Eco 5	\$300	50	\$15,000
Net Municipal Cost			\$12,500

Plus applicable taxes.

Volume Discount: Orders of 500 total units or more are eligible to receive an additional \$50.00 per unit discount on the FoodCycler Eco 5. If applicable, this discount is automatically calculated in the pricing shown above. The Municipality shall maintain a minimum of \$100.00 per household subsidy, thus passing on these savings directly to residents, reducing the resident contribution on the Eco 5 to \$250.00.

¹ Based on an estimated 50/50 split between FC-30 and Eco 5s. Will vary depending on the quantity of FoodCyclers purchased and the model ultimately selected by residents.

Purchase and Program Terms

Confirmation Deadline: Confirmation of order (Council resolution and/or signed partnership agreement) to be received no later than January 31, 2024.

Price Guarantee: Food Cycle Science will honour these rates on subsequent orders of 50 units or more, placed within the 2024 calendar year.

Shipping: Shipping estimates to your location may range from \$2,200.00 – \$2,800.00 and the \$2,500.00 quoted is an estimated average based on today's shipping rates. The Municipality may choose the shipping option that best suits their budget and needs. The higher cost shipping options will generally provide superior shipping accuracy.

FoodCycler Model Selection: During a registration period, residents will be given the option to indicate their preferred FoodCycler model. The total allotment of each FoodCycler model can be either predetermined or determined by resident selection.

Payment Terms: Payment is 100% due upon receipt of goods.

Accessories: Additional filters and other accessories may be purchased from FoodCycler at wholesale rates for resale to residents under the pilot program with no additional freight cost provided they are included in the initial order.

- **RF-35 Replacement Filter Pack (Refillable):** Includes 2 refillable filter cartridges with carbon included, good for 1 filter change. One-time purchase only to convert to the refillable system. May be purchased at a price of \$22.12 + tax in increments of 18.
- **RC-35 Carbon Filter Packs:** Includes 8 carbon packets, good for 4 filter changes. Compatible only with RF-35 refillable filter system. May be purchased at a price of \$50.00 + tax in increments of 9.
- **RC-104 Carbon Filter Packs:** Includes 4 carbon packets, good for 4 filter changes. Compatible only with the Eco 5 refillable filter system. May be purchased at a price of \$50.00 + tax in increments of 9.
- **BK-30 Spare Buckets:** May be purchased at a price of \$50.00 + tax in increments of 6.
- **BK-100 Spare Buckets for Eco 5:** May be purchased at a price of \$80.00 + tax in increments of 4.
- **RF-30 Replacement Filter Pack:** Includes 2 disposable filter cartridges with carbon included, good for 1 filter change. May be purchased at a price of \$22.12 + tax and must be purchased in increments of 20.

Warranty: 1-year standard manufacturer's warranty starting on date of delivery of all FoodCycler units to the City of Temiskaming Shores. We will repair or replace any defects during that time. Extended warranties may be purchased at additional cost of \$25.00 per year for up to 5 years.

Buyback Guarantee: Food Cycle Science will buy back any unsold units after a period of 1 year from the delivery date. All units must be in new and unopened condition. The municipality is responsible for return shipping to our warehouse in Ottawa, ON plus a \$25.00/unit restocking fee.

Marketing and Promotion: The City of Temiskaming Shores and Food Cycle Science mutually grant permission to use the name and/or logo or any other identifying marks for purposes of marketing, sales, case studies, public relations materials, and other communications solely to recognize the partnership between Food Cycle Science and the City of Temiskaming Shores. The City of Temiskaming Shores staff may be asked to provide a quote / video testimonial regarding the program.

Surveys / Tracking:

- The trial / survey period will be for 12 weeks starting on or before May 1, 2024.
- Residents will be asked to track weekly usage of the FoodCycler during each week of the trial. Tracking sheets will be provided as part of a Resident Package prepared by Food Cycle Science.
- At the end of the 12 weeks, residents must report their usage and answer a number of survey questions. Survey is to be provided by Food Cycle Science and approved by the City of Temiskaming Shores.
- The survey is to be administered either by the City of Temiskaming Shores or by Food Cycle Science, by request and with permission. All survey results are to be shared between the City of Temiskaming Shores and Food Cycle Science. The City of Temiskaming Shores shall ensure all personal information of participants is removed from any data ahead of sharing with Food Cycle Science.
- The City of Temiskaming Shores may administer additional touchpoints with participants at their discretion.

Report: At the request of City of Temiskaming Shores, Food Cycle Science will prepare a report summarizing program performance including waste diversion, potential for expansion, and other factors deemed relevant by the City of Temiskaming Shores.

Customer Support / Replacement Units:

- Food Cycle Science has a dedicated municipal support team that is available to assist residents directly with any troubleshooting, repairs, or replacement when required.
- Food Cycle Science may provide a small number of spare FoodCycler units with the initial order to be used for replacements if/when required. The City of Temiskaming Shores would be tasked with assisting residents with replacements where necessary. Replacement units will be supplied at no cost to the municipality and may represent up to 2% of the total initial order. This represents our anticipated/accepted failure rates.
 - Any unused spare units remaining after the warranty period shall be donated to a local school, with priority given to schools participating in EcoSchools Canada programs.

Summary and Acceptance of Terms

We respectfully ask that you confirm your participation no later than January 31, 2024 in order to respect the timeline of the Impact Canada Food Waste Reduction Challenge.

Summary of pilot program costs:

Program Recommendation	Invoice Amount	→	Net Municipal Cost
100 Households	\$35,000	→	\$12,500

Terms Accepted and Agreed by City of Temiskaming Shores:

Name / Title

Name / Title

Signature

Date

Signature

Date

Food Cycle Science looks forward to working with the City of Temiskaming Shores to reduce the amount of food waste going to landfill in a manner that is convenient and cost-effective.

Sincerely,

Jacob Hanlon

Municipal Program Coordinator

jacobh@foodcyclers.com | +1 613-316-4094



Food Cycle Science Corporation

371A Richmond Road, Suite #4

Ottawa, ON K2A 0E7

www.foodcyclers.com

The Corporation of the City of Temiskaming Shores

By-law No. 2023-126

Being a by-law to amend By-law No. 2019-016, as amended to enter into an agreement with Pedersen Construction (2013) Inc. for the rental of an Excavator complete with Operator for Water Break repairs at various locations (One-Year Extension - December 31, 2024)

Whereas under Section 8 of the Municipal Act, 2001, S.O. 2001, c. 25, as amended, the powers of a municipality shall be interpreted broadly to enable it to govern its affairs as it considers appropriate and to enhance the municipality's ability to responds to municipal issues; and

Whereas under Section 9 of the Municipal Act, 2001, S.O. 2001, c.25, as amended, a municipality has the capacity, rights, powers and privileges of a natural person for the purpose of exercising its authority under this or any other Act; and

Whereas under Section 10 (1) of the Municipal Act, 2001, S.O. 2001, c.25, as amended, a single-tier municipality may provide any service or thing that the municipality considers necessary or desirable for the public; and

Whereas at the December 18, 2018 Regular meeting, Council adopted By-law No. 2019-016, to enter into an Agreement with Pedersen Construction (2013) Inc. for the rental of an Excavator complete with Operator for Water Break repairs at various locations within the City of Temiskaming Shores, until December 31, 2020; and

Whereas at the November 17, 2020 Regular meeting, Council adopted By-law No. 2020-113, to amend the agreement with Pedersen Construction (2013) Inc. for a two-year extension for the rental of an Excavator complete with Operator for Water Break repairs, until December 31, 2022; and

Whereas at the December 20, 2022 Regular Council meeting, Council adopted By-law No. 2022-183, to amend the agreement with Pedersen Construction (2013) Inc. for a one-year extension for the rental of an Excavator complete with Operator for Water Break repairs, until December 31, 2023; and

Whereas Council considered Administrative Report No. PW-028-2023 at the December 5, 2023, Committee of the Whole meeting, and directed staff to prepare the necessary by-law to amend By-Law No. 2019-016 as amended, to enter into an agreement with Pedersen Construction (2013) Inc., to permit a one (1) year extension for the Equipment Rental Excavator c/w Operator for Water/Sewer Breaks and repairs at the same rental rates, plus applicable taxes, for consideration at the December 19, 2023 Regular Council meeting.

Now therefore the Council of The Corporation of the City of Temiskaming Shores hereby enacts the following as a by-law:

1. That Schedule "A" to By-law No. 2019-016, as amended be further amended by deleting Article I (c) and replacing it with the following:

Article I

- c) Complete, as certified by the Director, all the work by **December 31st, 2024.**
2. That the Clerk of the City of Temiskaming Shores is hereby authorized to make minor modifications or corrections of a grammatical or typographical nature to the by-law and schedule, after the passage of this by-law, where such modifications or corrections do not alter the intent of the by-law or its associated schedule.

Read a first, second and third time and finally passed this 19th day of December, 2023.

Mayor

Clerk

The Corporation of the City of Temiskaming Shores

By-law No. 2023-127

Being a by-law to repeal By-law No. 2017-103 to adopt a Terms of Reference for the Temiskaming Shores Splash Pad Committee

Whereas under Section 8 of the Municipal Act, 2001, S.O. 2001, c. 25, as amended, the powers of a municipality shall be interpreted broadly to enable it to govern its affairs as it considers appropriate and to enhance the municipality's ability to respond to municipal issues; and

Whereas under Section 9 of the Municipal Act, 2001, S.O. 2001, c. 25, as amended, a municipality has the capacity, rights, powers and privileges of a natural person for the purpose of exercising its authority under this or any other Act; and

Whereas under Section 10 (1) of the Municipal Act, 2001, S.O. 2001, c. 25, as amended, a single-tier municipality may provide any service or thing that the municipality considers necessary or desirable for the public; and

Whereas Council adopted By-law No. 2017-103, being a by-law to adopt a Terms of Reference for the Temiskaming Shores Splash Pad Committee at the August 8, 2017 Regular Council meeting; and

Whereas Council considered Memo No. 026-2023-RS at the December 5, 2023 Committee of the Whole meeting, and directed staff to prepare the necessary by-law to repeal By-law No. 2017-103 as the Temiskaming Shores Splash Pad Committee has completed its mandate, for consideration at the December 19, 2023 Regular Council Meeting.

Now therefore the Council of The Corporation of the City of Temiskaming Shores enacts the following as a by-law:

1. That Council for the City of Temiskaming Shores hereby repeals By-law No. 2017-103, and any associated amendments.
2. That the Clerk of the City of Temiskaming Shores is hereby authorized to make minor modifications or corrections of a grammatical or typographical nature to the By-law and schedule, after the passage of this By-law, where such modifications or corrections do not alter the intent of the By-law.

Read a first, second and third time and finally passed this 19th day of December, 2023

Mayor

Clerk

The Corporation of The City of Temiskaming Shores

By-law No. 2023-128

Being a by-law to amend By-law No. 2012-039, as amended, to adopt Schedules of Departmental User Fees and Services for the City of Temiskaming Shores – Schedule “A” Administration – Corporate Services (Animal Care & Control Fees); Schedule “B” Cemetery Fees; and Schedule “D” Recreation Services Fees

Whereas under Section 8 of the Municipal Act, 2001, S.O. 2001, c. 25, as amended, the powers of a municipality shall be interpreted broadly to enable it to govern its affairs as it considers appropriate and to enhance the municipality's ability to respond to municipal issues; and

Whereas under Section 9 of the Municipal Act, 2001, S.O. 2001, c. 25, as amended, a municipality has the capacity, rights, powers and privileges of a natural person for the purpose of exercising its authority under this or any other Act; and

Whereas under Section 10 (1) of the Municipal Act, 2001, S.O. 2001, c. 25, as amended, a single-tier municipality may provide any service or thing that the municipality considers necessary or desirable for the public; and

Whereas Section 391(1) of the Municipal Act, S.O. 2001 c. 25, as amended, authorizes the Council of a local municipality to pass by-laws imposing fees or charges for services or activities provided or done by or on behalf of any other municipality or local board; and for the use of its property including property under its control; and

Whereas Council of the Corporation of the City of Temiskaming Shores adopted By-law No. 2012-039 on April 3, 2012 to adopt Schedules of Departmental Use Fees and Service Charges for the City of Temiskaming Shores, which has been amended from time-to-time through by-law; and

Whereas Council considered Memo No. 031-2023-CS at the Regular Council meeting held on December 19, 2023, and directed staff to prepare the necessary by-law to amend Schedule “B” Cemetery Fees to By-law No. 2012-039 (Departmental User Fees) as amended, to update the License fee (i.e. Bereavement Authority of Ontario Consumer Protection Fee), for consideration at the December 19, 2023 Regular Council meeting; and

Whereas Council considered Administrative Report No. CS-052-2023 at the Regular Council meeting held on December 19, 2023, and directed staff to prepared the necessary by-law to amend Schedule “A” Administration – Corporate Services fees to By-law No. 2012-039 (Departmental User Fees) as amended, to replace the Registration of Dogs and Cats fees table with a revised Animal Care and Control fee table, for consideration at the December 19, 2023 Regular Council meeting; and

Whereas Council considered Administrative Report No. RS-027-2023 at the Committee of the Whole meeting held on December 5, 2023 and directed staff to prepare the necessary by-law to amend By-law No. 2012-039 (Departmental User Fees) as amended, to update Recreational Fees for 2022-2024, for consideration at the December 19, 2023 Regular Council meeting; and

Whereas the Council of the Corporation of the City of Temiskaming Shores deems it advisable to amend By-law No. 2012-039 as hereinafter set forth.

Now therefore be it resolved that the Council of the Corporation of the City of Temiskaming Shores enacts as follows:

1. That Council hereby amends Schedule “A” to Fees By-law No. 2012-039, as amended, Administration – Corporate Services section by deleting the Registration of Dogs and Cats fees table, and replacing with the following:

Impoundment or Detained	Fee
Impoundment Fee	\$ 35.00
Daily Boarding Fee	\$ 20.00
Quarantined Animal Daily Boarding Fee	\$ 35.00
Humane Euthanasia Fee	\$ 75.00
Veterinarian Fees	Cost recovery
Disposal of Non-Impounded Animal Fee up to 40lbs	\$40.00
Disposal of Non-Impounded Animal Fee above 40lbs to a maximum of 110lbs	\$85.00
Disposal of Non-Impounded Animal Fee above 110lbs	\$110.00
Tags and Licenses	
Register Dog or Cat – Initial Licensing Fee & Tag	\$35
Annual Renewal Spayed/Neutered	\$15
Annual Renewal NOT Spayed/Neutered (unfixed)	\$25
Register a Service Animal	Nil
Register a Livestock Guardian Dog or a Herding Dog	Nil
Purchase a Replacement Tag (lost tag)	\$10
Kennel fees	
Kennel License Fee	\$250
Kennel Inspection Fee	\$100

2. That Council hereby amends Schedule “B” to Fees By-law No. 2012-039, as amended, Cemetery Services section, by deleting the row identified as Provincial License (for each interment), with a resident and non-resident fee of \$12.00, and replacing the row with the following:

Interment Fees	Resident	Non-Resident
Bereavement Authority of Ontario Consumer Protection Fee (per interment)	30.00	30.00

3. That Schedule "D" to Fees By-law No. 2012-039, as amended, Recreation Department Fees be deleted in its entirety and replaced with Schedule "A", a copy attached hereto and forming part of this by-law.
4. The Clerk of the City of Temiskaming Shores is hereby authorized to make any minor modifications or corrections of an administrative, numerical, grammatical, semantically or descriptive nature or kind to the by-law and schedule as may be deemed necessary after the passage of the by-law, where such modifications or corrections do not alter the intent of the by-law.
5. This By-law shall come into full force and effect on January 1, 2024.

Read a first, second and third time and finally passed this 19th day of December, 2023.

Mayor

Clerk



Schedule “A” to

By-law No. 2023-128

**to adopt Schedules of Departmental User Fees and Services for the City of
Temiskaming Shores: Schedule “D” Recreation Department Fees**

Recreation Department Fees

Prices plus HST (where applicable)

1. Arenas

Haileybury / New Liskeard Arena Hourly Ice Rates			
Category	Season		
	2022	2023	2024
Non-Profit – Youth	\$ 100.00	\$ 102.00	\$ 104.04
Prime Time Ice	\$ 140.00	\$ 142.80	\$ 145.66
Non-Prime Ice*	\$ 82.00	\$ 83.64	\$ 85.31
New Liskeard Cubs U18	\$ 112.00	\$ 114.24	\$ 116.52
School	\$ 70.00	\$ 71.40	\$ 72.83
*Note: Non-Prime Ice is available from September 1 st to April 30 th , Monday to Friday from 6am to 4pm excluding holidays, and school breaks.			

Haileybury / New Liskeard Arena Hourly Floor Surface Rates			
Category	Season		
	2022	2023	2024
Floor – Per Hour (Maximum of 4 Hours)	\$ 45.00	\$ 45.90	\$ 46.82
Non-Profit per day	\$ 350.00	\$ 357.00	\$ 364.14
Local Commercial Event per day	\$ 665.00	\$ 678.30	\$ 691.87
Non-Resident Commercial Use	\$ 931.00	\$ 949.62	\$ 968.61
Note: Second day of a daily rental will be charged at 50% of the regular rate.			

2. Outdoor Facilities and Sport Programs

Minor Sports Program			
	2022	2023	2024
Minor Ball	\$ 50.00	\$ 50.00	\$ 55.00

Ball Fields			
Category	New Liskeard / Haileybury / Dymond		
	2022	2023	2024
Per Game / Practice	\$ 35.00	\$ 35.70	\$ 36.41
Tournament / Day	\$ 130.00	\$ 132.60	\$ 135.25
Minor Ball / Game	\$ 28.00	\$ 28.56	\$ 29.13

Soccer Fields			
Category	New Liskeard / Haileybury / Dymond		
	2022	2023	2024
Per Hour	\$ 30.00	\$ 30.60	\$ 31.21

Tennis Courts			
Category	2022	2023	2024
Daily Rental	\$ 20.00	\$ 20.40	\$ 20.81

3. Municipal Halls and Event Spaces

New Liskeard Riverside Place: 55 Riverside Drive			
Category	2022	2023	2024
Private Rental	\$ 505.00	\$ 515.10	\$ 525.40
Second Day Rental	\$ 255.00	\$ 260.10	\$ 265.30
Not-for-Profit Daily Rental	\$ 255.00	\$ 260.10	\$ 265.30
Private Weekly Rental (M-F)	\$ 1,262.50	\$ 1,287.75	\$1,313.51
Non-Profit Weekly Rental (M-F)	\$ 637.50	\$ 650.25	\$ 663.26
3 Hour Rental	\$ 75.00	\$ 76.50	\$ 78.03
*Note: \$200.00 damage/cleaning deposit is required for all hall rentals over 3 hours.			
Details of Hall			
Seating Capacity	Chairs Only 375 Banquet & Dance 270		
Size of Hall	75' x 37'		
Tables (available in hall)	38 tables - 6' x 23 7/8" (rectangular)		
	25 – 5' round tables (seats 8)		
Chairs	227 Dark blue		
Dishes	Available to rent - \$100 +HST		

New Liskeard Community Hall: 90 Whitewood Avenue			
Category	2022	2023	2024
Private Rental	\$ 409.50	\$ 417.69	\$ 426.04
Second Day Rental	\$ 205.00	\$ 209.10	\$ 213.28
Not-for-Profit Daily Rental	\$ 205.00	\$ 209.10	\$ 213.28
Private Weekly Rental (M-F)	\$ 1,023.75	\$ 1,044.23	\$1,065.11
Non-Profit Weekly Rental (M-F)	\$ 512.50	\$ 522.75	\$ 533.21
3 Hour Rental	\$ 75.00	\$ 76.50	\$ 78.03
*Note: \$200.00 damage/cleaning deposit is required for all hall rentals over 3 hours.			
Details of Hall			
Seating Capacity	Chairs Only	500	
	Banquet & Dance	278	
Size of Hall	45' x 65'		
Available Chairs	102		
Available Tables	25 rectangular		
Stage	Large stage in hall		
Dishes	Not available		

Dymond Community Hall: 181 Drive-in Theatre Road			
Category	2022	2023	2024
Private Rental	\$ 255.00	\$ 260.10	\$ 265.30
Second Day Rental	\$ 126.00	\$ 128.52	\$ 131.09
Not-for-Profit Daily Rental	\$ 126.00	\$ 128.52	\$ 131.09
Private Weekly Rental (M-F)	\$ 637.50	\$ 650.25	\$ 663.26
Non-Profit Weekly Rental (M-F)	\$ 315.00	\$ 321.30	\$ 327.73
3 Hour Rental	\$ 50.00	\$ 51.00	\$ 52.02
*Note: \$200.00 damage/cleaning deposit is required for all hall rentals over 3 hours.			
Details of Hall			
Seating Capacity	175		
Size of Hall	42' x 63'		
Tables	29 – 6' x 34"		
Chairs	175 – Orange and brown plastic		
Stage (in hall)	In corner of hall – 2' x 6' x 2' diagonal		

Harbourfront Pavilion: 451 Farr Drive			
Category	2022	2023	2024
Per Hour	\$ 31.50	\$ 32.13	\$ 32.77
Per Day	\$ 160.00	\$ 163.20	\$ 166.46
Not-for-Profit Daily Rental	\$ 75.00	\$ 76.50	\$ 78.03
Capacity			
Standing Space		902	
Dining or alcohol		328	
Details			
Small kitchen with fridge	No stove		
40 Chairs Available			

Haileybury Arena Hall: 400 Ferguson Avenue			
Category	2022	2023	2024
Private Rental (includes bar & kitchen)	\$ 355.00	\$ 362.10	\$ 369.34
Second Day Rental	\$ 180.00	\$ 183.60	\$ 187.27
Not-for-Profit Daily Rental	\$ 180.00	\$ 183.60	\$ 187.27
Private Weekly Rental (M-F)	\$ 887.50	\$ 905.25	\$ 923.36
Non-Profit Weekly Rental (M-F)	\$ 450.00	\$ 459.00	\$ 468.18
3 Hour Rental	\$ 75.00	\$ 76.50	\$ 78.03
*Note: \$200.00 damage/cleaning deposit is required for all hall rentals over 3 hours.			
Details of Hall			
Seating Capacity (alcohol)	270		
Seating Capacity Dining Only	231		
Seating Capacity Dining & Dancing	190		
Tables	17 – 8' rectangular tables 25 – 5' round tables		
Chairs	200		
Dishes	Not available		

Haileybury Lion's Den: 400 Ferguson Avenue			
Category	2022	2023	2024
Per Hour	\$ 28.00	\$ 28.56	\$ 29.13
Per Day	\$ 130.20	\$ 132.80	\$ 135.46
Not-for-Profit Daily Rental	\$ 75.00	\$ 76.50	\$ 79.03
Capacity			
Seating Capacity (dining/alcohol/seating)	80		
Tables	17 – 8' rectangular tables		
Chairs	24 yellow and 36 red		
Size of Hall	42' x 25'		

Note:

City staff setup fee for all Municipal Hall and Event Spaces is \$75.00 +HST

Any staff required on an hourly basis are charged to the renter at \$ 44.36 per hour for regular time and \$66.54 per hour for overtime

4. Outdoor Leisure Facilities

Bucke Park				
		2022	2023	2024
Tent Rates	Daily	\$ 26.25	\$ 26.78	\$ 27.31
	Weekly	\$ 162.75	\$ 166.01	\$ 169.33
	Monthly	\$ 488.25	\$ 498.02	\$ 507.98
	Seasonal	\$ 1,250.00	\$ 1,275.00	\$ 1,300.50
Trailer Rates	Daily	\$ 52.50	\$ 53.55	\$ 54.62
	Weekly	\$ 257.25	\$ 262.40	\$ 267.64
	Monthly	\$ 708.75	\$ 722.93	\$ 737.38
	Seasonal	\$ 2,047.50	\$ 2,088.45	\$ 2,130.22
Docking Fees	Daily	\$ 15.00	\$ 15.30	\$ 15.61
	Weekly	\$ 85.00	\$ 86.70	\$ 88.43
	Monthly	\$ 162.75	\$ 166.01	\$ 169.33
	Seasonal	\$ 300.00	\$ 306.00	\$ 312.12

Municipal Marinas			
	2022	2023	2024
Seasonal (per foot)	\$ 34.65	\$ 35.34	\$ 36.05
One Boat Utilizing Two Slips (per foot)	\$ 43.31	\$ 44.18	\$ 45.06
Monthly (23ft Length or Under)	\$ 240.00	\$ 244.80	\$ 249.70
Monthly (24ft Length or Over)	\$ 280.00	\$ 285.60	\$ 291.31
Seasonal Rate for Personal Water Craft (Sea Doo)	\$ 178.50	\$ 182.07	\$ 185.71
Monthly Rate for Personal Water Craft (Sea Doo)	\$ 69.50	\$ 70.89	\$ 72.31
Electricity (seasonal)	\$ 173.25	\$ 176.72	\$ 180.25
Winter Boat Storage on Municipal Property	\$ 267.75	\$ 273.11	\$ 278.57
Transient (per night)	\$ 29.40	\$ 29.99	\$ 35.59

5. Waterfront Pool and Fitness Centre

Waterfront Pool and Fitness Centre: 77 Wellington Street						
Rates Per Visit						
Facility	2022		2023		2024	
	Adult	Senior/ Student	Adult	Senior/ Student	Adult	Senior/ Student
Pool	\$ 4.65	\$ 3.76	\$ 4.65	\$ 3.76	\$ 4.87	\$ 3.98
Pool - Family	\$ 11.73		\$ 11.73		\$ 12.17	
Fitness Rooms	\$ 7.08	\$ 5.97	\$ 7.08	\$ 5.97	\$ 7.30	\$ 6.20
Squash Racquet Rental	\$ 3.26	\$ 3.26	\$ 3.26	\$ 3.26	\$ 3.45	\$ 3.45
Book of 5 passes for Gym	\$ 29.38	\$ 24.78	\$ 29.38	\$ 24.78	\$ 30.56	\$ 25.77
Book of 5 passes for Pool	\$ 19.30	\$ 15.60	\$ 19.30	\$ 15.60	\$ 20.07	\$ 16.23
Book of 5 passes for Full Facility	\$ 32.50	\$ 26.98	\$ 32.50	\$ 26.98	\$ 33.80	\$ 28.05
Arthritic Program	\$ 3.98		\$ 3.98		\$ 4.20	
Aquafit	\$ 5.97		\$ 5.97		\$ 6.20	
Cardiopulmonary Program	\$ 4.42		\$ 4.42		\$ 4.60	

Membership Rates									
	2022			2023			2024		
	Adult	Student Senior	Family	Adult	Student Senior	Family	Adult	Student Senior	Family
Fitness									
1 month	\$58.41	\$48.48	\$141.00	\$58.41	\$48.48	\$141.00	\$60.75	\$50.42	\$146.64
3 months	\$145.44	\$116.35	\$351.10	\$145.44	\$116.35	\$351.10	\$151.26	\$121.01	\$365.15
1 year	\$465.41	\$349.06	\$1,165.66	\$465.41	\$349.06	\$1,165.66	\$484.03	\$363.02	\$1,212.28
Pool									
1 month	\$41.35	\$36.11	\$93.09	\$41.35	\$36.11	\$93.09	\$43.00	\$37.55	\$96.76
3 months	\$102.96	\$84.49	\$231.66	\$102.96	\$84.49	\$231.66	\$107.08	\$87.87	\$240.92
1 year	\$341.82	\$236.58	\$722.77	\$341.82	\$236.58	\$722.77	\$355.50	\$246.04	\$751.68
Full									
1 month	\$88.27	\$68.85	\$220.68	\$88.27	\$68.85	\$220.68	\$91.80	\$71.61	\$229.51
3 months	\$219.80	\$164.85	\$549.50	\$219.80	\$164.85	\$549.50	\$228.59	\$171.44	\$571.48
1 year	\$729.74	\$514.33	\$1,824.35	\$729.74	\$514.33	\$1,824.35	\$758.93	\$534.91	\$1,897.32

Aquatic Programs			
	2022	2023	2024
Arthritic Program			
Per Class	\$ 3.98	\$ 3.98	\$ 4.20
8 classes	\$ 29.60	\$ 29.60	\$ 30.78
16 classes	\$ 56.00	\$ 56.00	\$ 58.24
24 classes	\$ 79.20	\$ 79.20	\$ 82.37
Aquafit			
Per Class	\$ 5.97	\$ 5.97	\$ 6.20
8 drop-in classes	\$ 36.00	\$ 36.00	\$ 37.44
16 drop-in classes	\$ 67.20	\$ 67.20	\$ 69.89
24 drop-in classes	\$ 93.60	\$ 93.60	\$ 97.34
5 Class Evening Session	\$ 30.00	\$ 30.00	\$ 31.00
6 Class Evening Session	\$ 36.00	\$ 36.00	\$ 37.20
8 Class Evening Session	\$ 48.00	\$ 48.00	\$ 49.60
Swimming Lessons ½ hour class (9 classes)	\$ 51.03	\$ 51.03	\$ 53.07
Swimming Lessons ¾ hour class (9 classes)	\$ 59.06	\$ 59.06	\$ 61.43
Swimming Lessons 1 hour Class (9 classes)	\$ 76.13	\$ 76.13	\$ 79.17
Swimming Lessons ½ hour class (10 classes)	\$ 56.70	\$ 56.70	\$ 58.97
Swimming Lessons ¾ hour class (10 classes)	\$ 65.63	\$ 65.63	\$ 68.25
Swimming Lessons 1 hour Class (10 classes)	\$ 84.53	\$ 84.53	\$ 87.91
Swimming Lessons (Private) – (9 Classes)	\$ 225.00	\$ 225.00	\$ 234.00
Swimming Lessons (Private) – (10 Classes)	\$ 250.00	\$ 250.00	\$ 260.00
Rookie/Ranger/Star (9 classes)	\$ 76.13	\$ 76.13	\$ 79.17
Rookie/Ranger/Star (10 classes)	\$ 84.53	\$ 84.53	\$ 87.91
Haileybury Beach Swimming Lessons ½ hour class (10 classes)	\$ 22.68	\$ 22.68	\$ 23.59
Adult Swim Lessons (9 Classes)	\$ 76.13	\$ 76.13	\$ 79.17
Timiskaming Northern Loons (per hour)	\$ 35.00	\$ 37.00	\$ 39.00

Aquatic Leadership Programs*			
Bronze Medallion	\$ 78.75	\$ 78.75	\$ 81.90
Bronze Cross	\$ 65.63	\$ 65.63	\$ 68.25
Bronze Cross with Standard First Aid	\$ 78.75	\$ 78.75	\$ 81.90
National Lifeguard Course	\$ 0.00	\$ 0.00	\$ 0.00
National Lifeguard Course (Non-Resident)	\$ 157.50	\$ 157.50	\$ 163.80
National Lifeguard Recertification	\$ 63.00	\$ 63.00	\$ 65.52
Swim Instructors Course	\$ 167.76	\$ 167.76	\$ 174.47

Lifesaving Instructors Course (R/R/S & Bronze)	\$ 130.46	\$ 130.46	\$ 135.68
Standard First Aid	\$ 115.50	\$ 115.50	\$ 120.12
Junior Lifeguard Club	\$ 112.88	\$ 112.88	\$ 117.39

*Course materials for aquatic leadership programs are charged in addition to the program registration fee.

Pool Rentals	2022	2023	2024
1 hour Pool Rental without the Slide	\$ 125.00	\$ 125.00	\$ 130.00
1 hour of Pool Rental with the Slide	\$ 179.55	\$ 179.55	\$ 186.73
Birthday Party - includes 1 hr pool rental and 1 hr lounge rental	\$ 237.60	\$ 237.60	\$ 247.10
1 hour Pool Rental for use by School	75% of Regular Rate		

Waterfront Pool & Fitness Centre - Rental of Lounge			
	2022	2023	2024
1 hour	\$ 52.50	\$ 53.55	\$ 54.62
3 hours	\$ 141.75	\$ 144.59	\$ 147.48
Full Day	\$ 354.38	\$ 361.46	\$ 368.69
1 hour Fitness Class	\$ 27.30	\$ 27.85	\$ 28.40

Cardiopulmonary Fitness Class			
Per Class	\$ 4.42	\$ 4.42	\$ 4.60
8 classes	\$ 33.60	\$ 33.60	\$ 34.94
16 classes	\$ 64.00	\$ 64.00	\$ 66.56
24 classes	\$ 91.20	\$ 91.20	\$ 94.85

Waterfront Pool & Fitness Centre - Other Fees			
	2022	2023	2024
Membership Card Replacement Fee	\$ 10.00	\$ 10.00	\$ 10.00
Monthly Locker Rental	\$ 12.00	\$ 12.00	\$ 12.00

6. Non-Resident User Fees

Non-Resident User Fees			
	2022	2023	2024
Municipal Arenas (Per Family)	\$ 150.00	\$ 175.00	\$ 200.00
Municipal Marinas (Per Vessel)	\$ 200.00	\$ 200.00	\$ 200.00
City Hosted Programs, Activities and Memberships (Surcharge on Regular Fee)	25%	25%	30%
Northern Loons Swim Club (Per Family)	\$ 150.00	\$ 175.00	\$ 200.00
Temiskaming Shores Soccer Club (Surcharge on Regular Fee)	25%	25%	30%

7. Other Fees

City Supplied General Liability Insurance			
	2022	2023	2024
Facility bookings without user-supplied liability insurance: Per booking per day	\$ 5.00	\$ 5.00	\$ 5.00
Facility bookings without user-supplied liability insurance (with alcohol): Per booking	\$ 250.00	\$ 250.00	\$ 255.00

Recreation Facility Advertisement Fees			
	2022	2023	2024
DSMA or SHSMA Rink Board Advertisement	\$ 400.00	\$ 400.00	\$ 425.00
DSMA or SHSMA Wall Board Advertisement	\$ 400.00	\$ 400.00	\$ 425.00
DSMA Bulletin Board Advertisement	\$ 1,000.00	\$ 1,000.00	\$ 1,000.00
WPFC Squash Court Advertisement Fee	\$ 150.00	\$ 150.00	\$ 150.00
Ball Diamond Fence Advertisement Fee	\$ 200.00	\$ 200.00	\$ 200.00

Note:

All advertisements are subject to additional terms and conditions.

The Corporation of the City of Temiskaming Shores

By-law No. 2023-129

Being a by-law to enter into an agreement with Nirbo Aquatic Inc. for the supply of splash pad equipment

Whereas under Section 8 of the Municipal Act, 2001, S.O. 2001, c.25, as amended, the powers of a municipality shall be interpreted broadly to enable it to govern its affairs as it considers appropriate and to enhance the municipality's ability to respond to municipal issues; and

Whereas under Section 9 of the Municipal Act, 2001, S.O. 2001, c.25, as amended, a municipality has the capacity, rights, powers and privileges of a natural person for the purpose of exercising its authority under this or any other Act; and

Whereas under Section 10 (1) of the Municipal Act, 2001, S.O. 2001, c.25, as amended, a -tier municipality may provide any service or thing that the municipality considers necessary or desirable for the public; and

Whereas Council considered Administrative Report No. RS-028-2023 at the December 5, 2023 Committee of the Whole meeting, and directed staff to prepare the necessary by-law to enter into an agreement with Nirbo Aquatic Inc. for the supply of splash pad equipment in the amount of \$15,196 plus applicable taxes, for consideration at the December 19, 2023, Regular Council meeting.

Now therefore the Council of The Corporation of the City of Temiskaming Shores hereby enacts the following as a by-law:

1. That the Mayor and Clerk be authorized to enter into an agreement with Nirbo Aquatic Inc. for the supply of splash pad equipment in the amount of \$15,196 plus applicable taxes, a copy attached hereto as Schedule "A" and forming part of this by-law.
2. That the Mayor and Clerk have the delegation of authority to execute any and all required documentation and amendments, on behalf of the City of Temiskaming Shores, as required under the Agreement, as long as the amendments do not create any financial liability for the City that is beyond a budget approved by Council.
3. That the Clerk of the City of Temiskaming Shores is hereby authorized to make minor modifications or corrections of a grammatical or typographical nature to the by-law and schedule, after the passage of this by-law, where such modifications or corrections do not alter the intent of the by-law.

Read a first, second and third time and finally passed this 19th day of December, 2023.

Mayor

Clerk



Schedule "A" to

By-law No. 2023-129


Agreement between

The Corporation of the City of Temiskaming Shores

And


Nirbo Aquatic Inc.

For the supply of splash pad equipment

	Project Name / Location Splash Pad Equipment / Haileybury, ON	Project No 900444-01	Date November 15, 2023	Revision B
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All prices net, all taxes and shipping extra, FOB our plant, prices valid for 60 days. All equipment is the property of Nirbo Aquatic Inc until all payments are made in full.

ITEM	PART NO	QTY	DESCRIPTION	Unit Cost	Extended Cost
				CAD	CAD
1	900429-02	1	MIX TRIO	\$7,635	\$7,635
2	13001-01	1	BASIC CONTROLLER 1 OUT	\$2,961	\$2,961
3	03569-02	1	ACTIVATOR-03	\$3,850	\$3,850
-	N/A	1	SHIPPING ESTIMATE BASED ON SINGLE SHIPMENT. MULTIPLE SHIPMENTS WILL COST MORE.	\$ 750	\$ 750
TOTAL COST					\$15,196

	Project Name / Location Splash Pad Equipment / Haileybury, ON	Project No 900444-01	Date November 15, 2023	Revision B
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Payment Schedule:

- Fifty Percent (50%) of Proposal Total ("Initial Deposit") upon **Nirbo Aquatic Inc.'s receipt** of Purchase Order, signed by **Purchaser**.
- Balance, including delivery charges due before shipping of order. In order to facilitate an 8-10weeks production schedule, the Initial deposit required must be received by Nirbo. Nirbo will start manufacturing when Initial Deposit received.

Terms & Conditions of Sale

- All equipment is property of Nirbo Aquatic Inc until all payments made in full.
- Before signing this *Purchase Order, and initialing pages, please* read Nirbo Aquatic Inc.'s terms and conditions of sale. The Customer's acceptance and understanding of these terms and conditions is evidenced by signing of this *Purchase Order Form*.
- Payment terms are listed above under *Payment Schedule* and you are in agreement with them. Any overdue balances are subject to interest charges of 2% per month and any associated warehousing fees. There are no holdbacks.
- Purchaser will be in breach of the Purchase Order if any Deposit is not received by Nirbo Aquatic Inc. within the required 15-day period following receipt of any applicable Written Notice.
- Nirbo Aquatic Inc. is responsible to coordinate with the Purchaser the actual delivery date to enable the purchaser to make preparations for the material unloading and handling.
- Nirbo Aquatic Inc. will offer installation instructions and operational manuals to ensure the proper installation and operation of the Nirbo Aquatic playground system. Free technical support is also provided.
- Delivery shall be either *FCA Origin* for all truck deliveries, or *FOB Origin* for all marine shipments, for all required Nirbo Aquatic Inc. playground products. All Nirbo Aquatic Inc. products are thoroughly wrapped to ensure protection. All shipments must be inspected upon delivery and any errors or omissions on parts must be reported to Nirbo Aquatic Inc. or the transport company within 48 hours of receipt of goods.
- You have read, understood and are in acceptance of Nirbo Aquatic Inc.'s Warranty Document as provided under separate cover.
- Nirbo Aquatic Inc. has a no return policy and requests customers to determine their product and color selections carefully.
- Cancellation: Orders placed for equipment covered by Nirbo Aquatic Inc.'s quotation are not subject to cancellation or modification, in whole or in part, after Purchaser's acceptance, except with Nirbo Aquatic Inc.'s express written consent, and upon Purchaser's payment of a cancellation charge which will cover all costs incurred by Nirbo Aquatic Inc. to the time of cancellation. If Purchaser cancels the order without Nirbo Aquatic Inc.'s express written consent, the Purchaser agrees to pay all to date costs incurred by Nirbo Aquatic Inc., in addition to compensation for any loss of profits that it may suffer in the event that Nirbo Aquatic Inc. is unable to resell the material and equipment and/or component parts thereof at the contract price. Material purchased by Purchaser's payment of cancellation fee will be shipped upon request. Customized material is the property of the Purchaser when purchased by Nirbo Aquatic Inc. for production and will be sent to Purchaser upon payment of cancellation charges.
- All State and local taxes are for the account of the buyer.
- Force Majeure. If the performance by a Party of any of its obligations under this Agreement (other than payment obligations) shall be interfered with by reason of any circumstances unforeseeable, irresistible and beyond the reasonable control of that Party, then that Party shall be excused from such performance while such circumstances exist and such additional period as may be reasonably necessary to allow that Party to resume its performance
- "Any Party Asserting Force Majeure as an excuse shall have the burden of proving that reasonable steps were taken (under the circumstances) to minimize delay or damages caused by foreseeable events, that all non-excused obligations were substantially fulfilled, and that the other Party was timely notified of the likelihood or actual occurrence which would justify such an assertion, so that other prudent precautions could be contemplated."
- You have read and are in acceptance of all the specifications of the Nirbo Aquatic Inc. components and equipment that are included in this order.

If you are in acceptance and agreement to these terms and conditions, please initial all pages and sign below, and fax to Nirbo Aquatic Inc.

Please forward signed original documents to Nirbo Aquatic Inc. Or you may mail both copies of this agreement to Nirbo Aquatic Inc. See address on top of this page. Your copy of the executed agreement will be returned to you. This agreement must be signed before any components or equipment will be shipped.

Account Payable Department	Approved By
Name of Contact:	Printed Name & Title:
Phone No:	Signature:

The Corporation of the City of Temiskaming Shores

By-law No. 2023-130

**Being a by-law to authorize borrowing from time to time
to meet current expenditures during the Fiscal Year
ending December 31, 2024**

Whereas Section 407, Subsection 1, of the Municipal Act, 2001, S.O. 2001, c.25, as amended, provides for the temporary borrowing by a municipality, at any time during a fiscal year, until taxes are collected and other revenues are received, of the amount council considers necessary to meet the current expenditures of the municipality for the year; and

Whereas the total amount which may be borrowed from all sources at any one time to meet the current expenditures of the municipality, except with the approval of the Ontario Municipal Board, is limited by Section 407, subsection 2, of the Municipal Act, 2001, S.O. 2001, c.25, as amended; and

Whereas Council for the City of Temiskaming Shores considered Memo No. 030-2023-CS at the December 5, 2023 Committee of the Whole meeting, and directed staff to prepare the necessary by-law to authorize borrowing from time-to-time to meet current expenditures during the Fiscal Year ending December 31, 2024, for consideration at the December 19, 2023 Regular Council meeting.

Now therefore the Council of The Corporation of the City of Temiskaming Shores hereby enacts the following as a by-law:

1. That the Mayor and the Treasurer are hereby authorized to borrow, from time-to-time during the year 2024 (hereinafter referred to as the current year), such sums as may be necessary to meet the current expenditures of the municipality for the year, including amounts required in the year as set out in Section 407 subsection (1) of the Municipal Act, 2001, S.O. 2001, c.25, as amended, until the taxes are collected and other revenues are received.
2. That a promissory note of bankers' acceptance made under Section 1 shall be signed by the Head of Council or such other person as is authorized by by-law to sign it and by the Treasurer.
3. That the Terms and Conditions for credit facilities available to The Corporation of the City of Temiskaming Shores from the Bank of Nova Scotia as set out in Schedule "A", hereto attached and forming part of the by-law, are hereby accepted.
4. That the Mayor and Treasurer are hereby authorized to enter into a Security Agreement with the Bank of Nova Scotia, a copy of which is attached hereto as Schedule "B" and forming part of this by-law.
5. That the Terms and Conditions for credit facilities available to The Corporation of the City of Temiskaming Shores from the Bank of Nova Scotia are hereby accepted.

6. That the total amount which may be borrowed at any one time under this by-law, together with the total of any similar borrowings that have not been repaid, shall not exceed the limits as outlined in Section 407, subsection 2, of the Municipal Act, 2001, S.O. 2001, c.25, as amended.

Read a first, second and third time and finally passed this 19th day of December, 2023.

Mayor

Clerk

TERMS AND CONDITIONS

CREDIT NUMBER: 01 **AUTHORIZED AMOUNT:** \$4,000,000

TYPE

Operating Line

PURPOSE

General operating requirements

CURRENCY

Canadian dollars

AVAILMENT

The Borrower may avail the credit by way of direct advances evidenced by Agreement re Operating Credit Line.

INTEREST RATE

The Bank's Prime Lending Rate, from time to time, minus 0.25% with interest payable monthly.

REPAYMENT

Advances are repayable on demand

SPECIFIC SECURITY

The following security, evidenced by documents in form satisfactory to the Bank and registered or recorded as required by the Bank, is to be provided prior to any advances or availment being made under the Credit:

Agreement re: Operating Credit Line

CONDITIONS PRECEDENT

The following conditions are to be met to the satisfaction of the Bank and its solicitors prior to the implementation of the increase in the Operating Limit from the existing \$2,000,000 to \$4,000,000:

Listing of the Borrower's upcoming construction projects with estimated costs and expected starting dates.

Resolution authorizing the Borrower to increase borrowing by way of a limit increase to \$4,000,000 under the operating facility.

SPECIFIC CONDITIONS

Until all debts and liabilities under the Credit have been discharged in full, the following conditions will apply in respect of the Credit:

January 1 to September 30 of each year:

Advances under the Operating credit are to be limited to 50% of total estimated revenue of the Borrower as set out in the budget adopted for the year and approved by Council;

October 1 to December 31 of each year:

Advances under the Operating credit are to be limited to 25% of total estimated revenue of the Borrower as set out in the budget adopted for the year and approved by Council.

CREDIT NUMBER: 02

AUTHORIZED AMOUNT: \$2,000,000

~~(Current balance: \$516,786)~~*S. Seville*TYPE

Equipment Financing Line – Revolving Term/Lease (Scotia Leasing)

PURPOSE

To assist with the acquisitions of new equipment

AVAILMENT

The Borrower may avail the Credit by way of direct advances evidenced by Demand Promissory Notes and/or by Lease Agreement with supporting documentation and/or Conditional Sale Contracts in form satisfactory to the Bank.

INTEREST RATEDirect Advances

The Bank's Prime Lending Rate from time to time per annum, with interest payable monthly.

The Borrower has the option to fix the interest rate for the balance of the term of the loan at any time subject to availability. Rates will be quoted upon request.

Scotia Lease/Conditional Sales ContractFloating Rate Option:

The base payment applicable to each contract will be set on the commencement date of the contract based upon the Bank's Prime Lending Rate per annum, calculated and payable monthly. The total periodic payment will be adjusted monthly with changes in the Bank's Prime Lending Rate.

Fixed Rate Option:

The Borrower has the option to fix the payments for the balance of the term of the contract provided that the Borrower is not then in default under any credits. This option must be exercised prior to the commencement of the last third of the initial term of the contract.

Although the fixed rate will be set on the date notification is received by the Bank, the new rate will be effective on the next payment due date (provided the next payment due date is at least 10 days from receipt of the notice). A fee is payable when this option is exercised. The fixed rate will be quoted on request/based on Scotia Leasing's Base Rate at the time the option to fix the rate is exercised plus 1.25% per annum, calculated and payable monthly.

FEES

Standard Documentation Fees as prescribed by Scotia Leasing, payable at the time of each Lease drawdown.

DRAWDOWN

The undrawn portion of the credit is subject to Annual Review.

Advances are to be made in minimum multiples of \$50,000.

REPAYMENT**Direct Advances**

Advances are repayable in equal monthly instalments of principal, commencing within 30 days of drawdown, with a final payment of the balance of principal and interest then outstanding due at the end of the selected term. The maximum term of each loan is 5 years and the maximum amortization is 5 years.

Scotia Lease – ABC Purchase Option

Leases are repayable in accordance with the terms and conditions of each respective lease contract. The maximum term of any such lease/contract shall not exceed 60 months. At the end of the term to option, the lessee shall elect one of the following options:

- A. purchase the equipment for up to a maximum of 20% of the original cost;
- B. indentify a third party acceptable to the Bank to purchase the equipment from the Bank for up to a maximum of 20% of the original cost;
- C. rent the equipment for an additional term and revised rent payment to be authorized by the Bank.

Scotia Lease – \$1 Purchase Option

Leases are repayable in accordance with the terms and conditions of each respective lease contract. The maximum term of any such lease/contract shall not exceed 60 months. At the end of the term, the lessee shall elect to purchase the equipment for \$1.00.

PREPAYMENT

Prepayments are to be applied against installments of principal in the inverse order of their maturities.

Direct Advances**Floating Interest Rate:**

Prepayment is permitted without penalty at any time in whole or in part.

Fixed Interest Rate:

Prepayment of any advance made by the Bank pursuant to this loan agreement (each an "Advance"), in whole or in part, is permitted at any time. In addition to any other amount then payable by the Borrower pursuant to the terms hereof (including, without limitation, accrued

interest) in respect of the amount being prepaid (the "Prepayment Amount"), the Borrower shall pay to the Bank an amount equal to the greater of:

- (i) three months simple interest on the Prepayment Amount at the rate applicable to the relevant Advance being prepaid, and
- (ii) The Bank's Funding Loss. For the purposes hereof, "Funding Loss" means, in respect of the Advance being prepaid, any loss, cost or expense which may be incurred by the Bank by reason of the reemployment, for the Prepayment Period, of the funds acquired by the Bank to fund such Advance. "Prepayment Period" means the period commencing on, and including, the date on which the Prepayment Amount is paid to the Bank to, but excluding, the scheduled repayment date of the relevant Advance.

Scotia Lease/Conditional Sales Contract

Leases/Conditional Sale Contracts are not cancellable, and no prepayments of principal are permitted.

SPECIFIC SECURITY

The following security, evidenced by documents in form satisfactory to the Bank and registered or recorded as required by the Bank, is to be provided prior to any advances or availment being made under the Credit(s):

Direct Advances

General Security Agreement supported by a Chattel Mortgage over specific equipment financed with replacement cost insurance coverage, loss, if any, payable to the Bank.

Scotia Lease

Lease Agreement(s)/Conditional Sales Contract(s) covering equipment leased.

Comprehensive General Liability insurance for a minimum of \$2 million per occurrence with the Bank recorded as an additional named insured.

All Risk Insurance covering the replacement value of the equipment with the Bank recorded as loss payee and additional named insured.

Vehicles – Collision and Comprehensive (All Perils) Liability and Damage to vehicle for \$5 million per occurrence showing the Bank as loss payee and additional named insured.

Resolution of the Council authorizing leases.

SPECIFIC CONDITIONS

Until all debts and liabilities under the Credit have been discharged in full, the following conditions will apply in respect of the Credit:

Prior to drawdown, the Bank is to be satisfied with the quality, value and eligibility of all assets being leased or financed.

The amount of financing shall not exceed 100% of the cost of the equipment being financed exclusive of the relative taxes and the Borrower shall provide security deposits, advance rentals and/or down payments to reduce financing to this limit.

CREDIT NUMBER: 03

AUTHORIZED AMOUNT: \$750,000

TYPE

Scotia Visa Business Card - Availment, interest rate and repayment as per Cardholder Agreement.

PURPOSE

Business expenses

CURRENCY

Canadian Dollars

SPECIFIC SECURITY

The following security, evidenced by documents in form satisfactory to the Bank and registered or recorded as required by the Bank, is to be provided prior to any advances or availment being made under the Credit:

Scotia Visa Business Card Agreement

GENERAL SECURITY, TERMS AND CONDITIONS APPLICABLE TO ALL CREDITS

GENERAL SECURITY

The following security, evidenced by documents in form satisfactory to the Bank and registered or recorded as required by the Bank, is to be provided prior to any advances or availment being made under the Credits:

Municipal Borrowing By-Law for Current Expenditures containing a pledge of tax revenues

Security Agreement, Municipalities and School Boards

Banking Resolution, Municipalities and a supporting List of Officers

GENERAL CONDITIONS

Until all debts and liabilities under the Credits have been discharged in full, the following conditions will apply in respect of the Credits:

The Borrower agrees to:

- (i) comply with all applicable borrowing legislation
- (ii) advise the Bank of any breach of statutory borrowing limits
- (iii) provide the Bank with certificates of estimated revenues from time to time, upon request.

The Borrower will give the Bank the opportunity to offer additional future banking and credit requirements.

For ongoing Credit Risk management purposes, all operating accounts of the Borrower shall be maintained with the Bank as long as the Borrower has any operating line facilities with the Bank.

GENERAL BORROWER REPORTING CONDITIONS

Until all debts and liabilities under the Credits have been discharged in full, the Borrower will provide the Bank with the following:

Annual Audited Consolidated Financial Statements of the Borrower, within 150 days of the Borrower's fiscal year end.

Annual Budget for the ensuing year, within 150 days of fiscal year end.

Copy of current Municipal Borrowing By-Law is required in January of each year.

Copy of current Security Agreement in January of each year.

At the time of the annual review, the Municipality's Treasurer must provide the bank with the following:

- a) Details of short term borrowings from other banks and from its own Reserve funds
- b) Copy of a By-Law approving annual estimates.

Such other financial information as the Bank may reasonably require from time to time.

OTHER FEES

In addition to, and not in substitution for the obligations of the Borrower and the rights of the Bank upon the occurrence of an event of default herein, the Borrower shall pay to the Bank:

- (a) a fee of \$300 per occurrence (or such higher amount as may be determined by the Bank from time to time) during which the Borrower is late in providing the Bank with financial or other information required herein;
- (b) a fee of \$300 per occurrence (or such higher amount as may be determined by the Bank from time to time) during which loan payments of principal, interest or other amounts are past due; and
- (c) a fee of \$1,500 per occurrence (or such higher amount as may be determined by the Bank from time to time) during which the Borrower is in default of any other term or condition contained in this Commitment Letter or in any other agreement to which the Borrower and the Bank are parties.

The imposition or collection of fees does not constitute an express or implied waiver by the Bank of any event of default or any of the terms or conditions of the lending arrangements, security or rights arising from any default. Fees may be charged to the Borrower's deposit account when incurred.

SCHEDULE "A"

ADDITIONAL TERMS AND CONDITIONS APPLICABLE TO ALL CREDITS

(In the event of a conflict, the terms and conditions of any lease agreement and/or conditional sale contract supersede the terms and conditions in this Schedule A with regard to such leases and/or conditional sale contracts.)

1. Calculation and Payment of Interest

Interest on loans/advances made in Canadian dollars will be calculated on a daily basis and payable monthly on the 22nd day of each month (unless otherwise stipulated by the Bank). Interest shall be payable not in advance on the basis of a calendar year for the actual number of days elapsed both before and after demand of payment or default and/or judgment.

2. Interest on Overdue Interest

Interest on overdue interest shall be calculated at the same rate as interest on the loans/advances in respect of which interest is overdue, but shall be compounded monthly and be payable on demand, both before and after demand and judgment.

3. Indemnity Provision

If the introduction, adoption or implementation of, or any change in, or in the interpretation of, or any change in its application to the Borrower of, any law, regulation, guideline or request issued by any central bank or other governmental authority (whether or not having the force of law), including, without limitation, any liquidity reserve or other reserve or special deposit requirement or any tax (other than tax on the Bank's general income) or any capital requirement, has due to the Bank's compliance the effect, directly or indirectly, of (i) increasing the cost to the Bank of performing its obligations hereunder or under any avallment hereunder; (ii) reducing any amount received or receivable by the Bank or its effective return hereunder or in respect of any avallment hereunder or on its capital; or (iii) causing the Bank to make any payment or to forgo any return based on any amount received or receivable by the Bank hereunder or in respect of any avallment hereunder determined by the Bank in its discretion, then upon demand from time to time the Borrower shall pay such amount as shall compensate the Bank for any such cost, reduction, payment or forgone return (collectively "Increased Costs") as such amounts are reasonably determined by the Bank and set forth in a certificate to the Borrower.

In the event of the Borrower becoming liable for such Increased Costs the Borrower shall have the right to prepay in full, without penalty, the outstanding principal balance under the affected credit other than the face amount of any document or instrument issued or accepted by the Bank for the account of the Borrower, including, without limitation, a Letter of Credit, a Letter of Guarantee or a Bankers' Acceptance. Upon any such prepayment, the Borrower shall also pay the then accrued interest on the amount prepaid and the Increased Costs to the date of prepayment together with such amount as will compensate the Bank for the cost of any early termination of its funding arrangements in accordance with its normal practices, as such amounts are calculated in a certificate reasonably prepared by the Bank.

4. Environment

The Borrower agrees:

- (a) to obey all applicable laws and requirements of any federal, provincial, or any other governmental authority relating to the environment and the operation of the business

activities of the Borrower;

- (b) to allow the Bank access at all times to the business premises of the Borrower to monitor and inspect all property and business activities of the Borrower;
- (c) to notify the Bank from time to time of any business activity conducted by the Borrower which involves the use or handling of hazardous materials or wastes or which increases the environmental liability of the Borrower in any material manner;
- (d) to notify the Bank of any proposed change in the use or occupation of the property of the Borrower prior to any change occurring;
- (e) to provide the Bank with immediate written notice of any environmental problem and any hazardous materials or substances which have an adverse effect on the property, equipment, or business activities of the Borrower and with any other environmental information requested by the Bank from time to time.
- (f) to conduct all environmental remedial activities which a commercially reasonable person would perform in similar circumstances to meet its environmental responsibilities and if the Borrower fails to do so, the Bank may perform such activities; and
- (g) to pay for any environmental investigations, assessments or remedial activities with respect to any property of the Borrower that may be performed for or by the Bank from time to time.

If the Borrower notifies the Bank of any specified activity or change or provides the Bank with any information pursuant to subsections (c), (d), or (e), or if the Bank receives any environmental information from other sources, the Bank, in its sole discretion, may decide that an adverse change in the environmental condition of the Borrower or any of the property, equipment, or business activities of the Borrower has occurred which decision will constitute, in the absence of manifest error, conclusive evidence of the adverse change. Following this decision being made by the Bank, the Bank shall notify the Borrower of the Bank's decision concerning the adverse change.

If the Bank decides or is required to incur expenses in compliance or to verify the Borrower's compliance with applicable environmental or other regulations, the Borrower shall indemnify the Bank in respect of such expenses, which will constitute further advances by the Bank to the Borrower under this Agreement.

5. Periodic Review

The obligation of the Bank to make further advances or other accommodation available under any Credit(s) of the Borrower under which the indebtedness or liability of the Borrower is payable on demand, is subject to periodic review and to no adverse change occurring in the financial condition or the environmental condition of the Borrower or any guarantor.

6. Evidence of Indebtedness

The Bank's accounts, books and records constitute, in the absence of manifest error, conclusive evidence of the advances made under this Credit, repayments on account thereof and the indebtedness of the Borrower to the Bank.

7. Acceleration

- (a) All indebtedness and liability of the Borrower to the Bank payable on demand, is repayable by the Borrower to the Bank at any time on demand;

- (b) All indebtedness and liability of the Borrower to the Bank not payable on demand, shall, at the option of the Bank, become immediately due and payable, the security held by the Bank shall immediately become enforceable, and the obligation of the Bank to make further advances or other accommodation available under the Credits shall terminate, if any one of the following Events of Default occurs:
- (i) the Borrower or any guarantor fails to make when due, whether on demand or at a fixed payment date, by acceleration or otherwise, any payment of interest, principal, fees, commissions or other amounts payable to the Bank;
 - (ii) there is a breach by the Borrower of any other term or condition contained in this Commitment Letter or in any other agreement to which the Borrower and the Bank are parties;
 - (iii) any default occurs under any security listed in this Commitment Letter under the headings "Specific Security" or "General Security" or under any other credit, loan or security agreement to which the Borrower is a party;
 - (iv) any bankruptcy, re-organization, compromise, arrangement, insolvency or liquidation proceedings or other proceedings for the relief of debtors are instituted by or against the Borrower and, if instituted against the Borrower, are allowed against or consented to by the Borrower or are not dismissed or stayed within 60 days after such institution;
 - (v) a receiver is appointed over any property of the Borrower or any guarantor or any judgment or order or any process of any court becomes enforceable against the Borrower or any guarantor or any property of the Borrower or any guarantor or any creditor takes possession of any property of the Borrower or any guarantor;
 - (vi) any course of action is undertaken by the Borrower or any guarantor or with respect to the Borrower or any guarantor which would result in the Borrower's or guarantor's reorganization, amalgamation or merger with another corporation or the transfer of all or substantially all of the Borrower's or any guarantor's assets;
 - (vii) any guarantee of indebtedness and liability under the Credit Line is withdrawn, determined to be invalid or otherwise rendered ineffective;
 - (viii) any adverse change occurs in the financial condition of the Borrower or any guarantor.
 - (ix) any adverse change occurs in the environmental condition of:
 - (A) the Borrower or any guarantor of the Borrower; or
 - (B) any property, equipment, or business activities of the Borrower or any guarantor of the Borrower.

8. Costs

All costs, including legal and appraisal fees incurred by the Bank relative to security and other documentation and the enforcement thereof, shall be for the account of the Borrower and may be charged to the Borrower's deposit account when submitted.

9. Counterparts and Execution of Documents.

This Commitment Letter and any security and other documents relating to the credits established

in it may be executed in counterparts and by different parties in different counterparts, all of which when taken together will constitute a single contract. Subject to applicable conditions precedent, a document will become effective when it has been executed by the Bank (if execution by the Bank is contemplated by the document) and the Bank has received counterparts of the document that, when taken together, bear the signatures of each of the other relevant parties. Delivery of an executed counterpart of a document or a signature page to the document by telecopy or by sending a scanned or other copy by electronic mail or similar means shall be as effective as delivery of an originally executed counterpart, but the Bank may from time to time require delivery of originally executed documents. The Bank may create and store copies of documents in any form as part of its business records, including by microfilm, photocopy and electronic image. Copies may be held in place of original documents and substituted for original documents for any purpose. In administering the credits established in the Commitment Letter and in otherwise dealing with the Borrower and any guarantor, the Bank may rely and act on e-mail, telecopier and other electronic communications that it reasonably believes have been sent by or on behalf of the Borrower or any guarantor, but the Bank may from time to time require that communications from the Borrower or any guarantor be in a non-electronic form specified by the Bank.

10. Representation or Warranty

The Borrower and each Guarantor represents and warrants to the Bank that all financial and other information (including, without limitation, any financial forecasts) provided to the Bank in connection with the credit(s) provided pursuant to this Commitment Letter is true and accurate in all material respects and has been prepared in accordance with Canadian Generally Accepted Accounting Principles consistently applied, and acknowledges that the offer of credit contained in this Commitment Letter is made in reliance on the truth and accuracy of this information and the representation and warranties above.

Schedule "B" To By-Law No. 2023-130

Security Agreement Municipalities and School Boards

To: The Bank of Nova Scotia, (the 'Bank')

Whereas by the passage of By-Law 2023-130 by The Corporation of the City of Temiskaming Shores on the 19th day of December, 2023 authority was given to the Treasurer together with the Mayor to borrow from the Bank the sum or sums therein mentioned and this Agreement was authorized; and

Whereas the Corporation desires to borrow the said sum or sums from the Bank.

Now It Is Hereby Agreed by the Corporation that in consideration of the Bank advancing or providing the said sum or sums to the Corporation that all the revenues of the Corporation of whatever nature and kind are hereby charged to and in favour of the Bank, as security for payment of the moneys so advanced or provided by the Bank and any interest thereon and any other charges in connection therewith and the Bank shall have a lien upon all such revenues until the charge hereby and by the said By-Law created is satisfied.

The Corporation represents and warrants that the whole or any part or parts of the revenues of the Corporation are not subject to any prior charge, except as disclosed to the Bank in writing.

In Witness Whereof the Corporation has caused this agreement to be executed by its proper officers as required by law this 19th day of December, 2023.

Witness: _____

)
) _____
) Jeff Laferriere, Mayor
)
) _____
) Stephanie Leveille, Treasurer

The Corporation of the City of Temiskaming Shores

By-law No. 2023-131

Being a by-law to amend By-law No. 2019-155, as amended to enter into a lease agreement with Kyle and Maria Overton for the operation of the Spurline Concession at the Waterfront

Whereas under Section 8 of the Municipal Act, 2001, S.O. 2001, c.25, as amended, the powers of a municipality shall be interpreted broadly to enable it to govern its affairs as it considers appropriate and to enhance the municipality's ability to respond to municipal issues; and

Whereas under Section 8 of the Municipal Act, 2001, S.O. 2001, c.25, as amended, the powers of a municipality shall be interpreted broadly to enable it to govern its affairs as it considers appropriate and to enhance the municipality's ability to respond to municipal issues; and

Whereas under Section 9 of the Municipal Act, 2001, S.O. 2001, c.25, as amended, a municipality has the capacity, rights, powers and privileges of a natural person for the purpose of exercising its authority under this or any other Act; and

Whereas under Section 10 (1) of the Municipal Act, 2001, S.O. 2001, c.25, as amended, a single-tier municipality may provide any service or thing that the municipality considers necessary or desirable for the public; and

Whereas Council considered Administrative Report No. CS-043-2023 at the December 5, 2023 Committee of the Whole meeting, and directed staff to prepare the necessary by-law to amend By-law No. 2019-155, for the execution of the renewal clause of five (5) years in the lease agreement for the use of the Spurline Concession, for consideration at the December 19, 2023 Regular Council meeting.

Now therefore the Council of The Corporation of the City of Temiskaming Shores hereby enacts the following as a by-law:

1. That Council hereby amends Schedule "A" to By-law No. 2019-155, as amended being a by-law to enter into a lease agreement with Kyle and Maria Overton for the operation of the Spurline Concession at the Waterfront, by amending the following section, as follows:

2. Term

To hold the premises for a term commencing **January 1, 2020** to **December 31, 2029**.

2. That the Clerk of the City of Temiskaming Shores is hereby authorized to make any minor modifications or corrections of an administrative, numerical, grammatical, semantically or descriptive nature or kind to the by-law and schedule as may be deemed necessary after the passage of this by-law, where such modifications or corrections do not alter the intent of the by-law.

Read a first, second and third time and finally passed this 19th day of December, 2023.

Mayor

Clerk

The Corporation of the City of Temiskaming Shores

By-law No. 2023-132

A By-law to amend By-law No. 2021-174 to authorize the execution of a Parts III and IX of Provincial Offences Act (Ontario) Interim Transfer Agreement between His Majesty the King in Right of Ontario as represented by the Attorney General and The Corporation of the City of Temiskaming Shores

Whereas Section 8 of the Municipal Act 2001, c.25, as amended, states that a municipality has the capacity, rights, powers and privileges of a natural person for the purpose of exercising its authority; and

Whereas Section 9(1) of the Municipal Act 2001, c.25, as amended, interprets Section 8 as to enable a municipality to govern their affairs as they consider appropriate; and

Whereas under Section 10 (1) of the Municipal Act, 2001, S.O. 2001, c.25, as amended, a single-tier municipality may provide any service or thing that the municipality considers necessary or desirable for the public; and

Whereas Council of the Corporation of the City of Temiskaming Shores acknowledged receipt of Memo 041-2021-CS at the November 16, 2021 Regular Council meeting regarding the Parts III and IX of Provincial Offences Act (Ontario) Interim Transfer Agreement, and directed staff to prepare the necessary by-law for consideration at the November 16, 2021 Regular meeting; and

Whereas Council for the City of Temiskaming Shores entered into a two-year agreement with the Ministry of the Attorney General (By-law 2021-174), at the November 16, 2021 Regular Council meeting, expiring on January 3, 2024; and

Whereas Council for the City of Temiskaming Shores acknowledged receipt of Administrative Report No. CS-044-2023 at the December 5, 2023 Committee of the Whole meeting, directing staff to prepare the necessary by-law to authorize the renewal of the Part III and Part IX of the Provincial Offences Act (Ontario) Interim Transfer Agreement between His Majesty the King in Right of Ontario, as represented by the Attorney General and the Corporation of the City of Temiskaming Shores, for consideration at the December 19, 2023 Regular Meeting.

Now therefore the Council of The Corporation of the City of Temiskaming Shores enacts as follows:

1. That the Mayor and Clerk be authorized to sign the Amending Agreement No. 1 to By-law No. 2021-174, regarding the Parts III and IX of Provincial Offences Act (Ontario) Interim Transfer Agreement between His Majesty the King in Right of Ontario as represented by the Attorney General and The Corporation of the City of

Temiskaming Shores, a copy of which is attached hereto as Schedule "A" and forming part of this by-law.

2. That the Mayor and Clerk have the delegation of authority to execute any and all required documentation, on behalf of the City of Temiskaming Shores, as required under the Parts III and IX of Provincial Offences Act (Ontario) Interim Transfer Agreement.
3. That the Clerk of the City of Temiskaming Shores is hereby authorized to make any minor modifications or corrections of an administrative, numerical, grammatical, semantical or descriptive nature or kind to the by-law and schedule as may be deemed necessary after the passage of this by-law.

Read a first, second and third time and finally passed this 19th day of December, 2023.

Mayor

Clerk



Schedule “A” to

By-law No. 2023-132

To amend By-law No. 2021-174 authorizing the execution of a Parts III and IX of Provincial Offences Act (Ontario) Interim Transfer Agreement between His Majesty the King in Right of Ontario as represented by the Attorney General and The Corporation of the City of Temiskaming Shores

AMENDING AGREEMENT NO.1

THIS AMENDING AGREEMENT NO.1 ("Amending Agreement") is made on the 19th day of December, 2023 among **HIS MAJESTY THE KING IN RIGHT OF ONTARIO AS REPRESENTED BY THE ATTORNEY GENERAL** (the "**Attorney General**") and **CORPORATION OF THE CITY OF TEMISKAMING SHORES** (the "**Municipal Partner**").

RECITALS

- A. The parties have entered into the Parts III and IX of Provincial Offences Act (Ontario) Interim Transfer Agreement, dated November 16, 2021 (the "**Agreement**").
- B. The parties agree that terms used in this Amending Agreement which are defined in the Agreement have, unless otherwise set forth in this Amending Agreement, the respective meanings specified in the Agreement.
- C. The parties wish to amend the Agreement as provided herein.

FOR VALUE RECEIVED, the parties agree as follows:

- 1. All references to the name "Her Majesty the Queen" in the Agreement shall be deleted and replaced with the name "His Majesty the King".
- 2. The term "two (2) years from the Effective Date" in the definition of "Expiry Date" in Section 1.1(f) of the Agreement shall be deleted and replaced with the date "January 3, 2026".
- 3. Section 7.1(a) of the Agreement shall be deleted in its entirety and replaced with the following:
 - “(a) To the Attorney General:
Ministry of the Attorney General
Criminal Law Division
720 Bay St., 9th Floor
Toronto, ON M7A 2S9

Attention: Majid Juma, Director, Strategic Operations and
Management Centre (SOMC)
Telephone: 647-298-5776
E-mail: majid.juma@ontario.ca”
- 4. All other terms and conditions of the Agreement remain in full force and effect. Effective the date hereof, this Amending Agreement and the Agreement shall be read together as one (1) agreement.

5. This Amending Agreement may be executed in any number of counterparts, each of which shall be an original, but all of which together shall constitute one (1) agreement. Delivery by facsimile transmission or electronic mail of a counterpart of this Amending Agreement signed by a party shall be as effective as a manual delivery by such party of an original signed counterpart of this Amending Agreement.
6. This Amending Agreement shall be governed by and construed in accordance with the laws of the Province of Ontario and the federal laws of Canada applicable therein.

[The remainder of this page is intentionally left blank; Signature page to follow.]

IN WITNESS HEREOF each of the parties hereto has caused this Amending Agreement to be executed as of the date first written above.

**HIS MAJESTY THE KING IN RIGHT OF
ONTARIO AS REPRESENTED BY THE
ATTORNEY GENERAL**

Randy Schwartz
Assistant Deputy Attorney General
Criminal Law Division

**CORPORATION OF THE CITY OF
TEMISKAMING SHORES**

Mayor

Municipal Clerk

I/We have authority to bind the corporation.

The Corporation of the City of Temiskaming Shores

By-law No. 2023-133

Being a by-law to amend By-law No. 2017-015 as amended, to adopt a Procurement Policy for the City of Temiskaming Shores

Whereas under Section 8 of the Municipal Act, 2001, S.O. 2001, as amended, the powers of a municipality shall be interpreted broadly to enable it to govern its affairs as it considers appropriate and to enhance the municipality's ability to respond to municipal issues; and

Whereas under Section 9 of the Municipal Act, 2001, S.O. 2001, as amended, a municipality has the capacity, rights, powers and privileges of a natural person for the purpose of exercising its authority under this or any other Act; and

Whereas under Section 10(1) of the Municipal Act, 2001, S.O. 2001, as amended, a single-tier municipality may provide any service or thing that the municipality considers necessary or desirable for the public; and

Whereas Section 270(1) 3 of the Municipal Act, 2001, S.O. 2001, as amended, provided that a municipality shall adopt and maintain policies with respect to the procurement of goods and services; and

Whereas Council considered Administrative Report CS-003-2017 at the January 17, 2017 Regular Council meeting, and directed staff to prepare the necessary by-law for the adoption of a new Procurement Policy and to repeal By-law No. 2009-012, as amended for consideration at the February 7, 2017 Regular Council meeting for first and second reading; and

Whereas Council adopted third and final reading of By-law No. 2017-015, being a by-law to adopt a Procurement Policy for the City of Temiskaming Shores at the February 21st 2017 Regular Council meeting; and

Whereas Council considered Administrative Report CS-045-2023 at the December 5, 2023 Committee of the Whole meeting, and directed staff to prepare the necessary by-law to amend By-law No. 2017-015, to adopt a Procurement Policy for the City of Temiskaming Shores, to provide additional context for electronic bidding/ signatures, for consideration at the December 19, 2023 regular Council meeting.

Now therefore the Council of the Corporation of the City of Temiskaming Shores hereby enacts the following as a by-law:

1. That Schedule "A" to By-law No. 2017-015, as amended, be further amended by adding the following definitions in alphabetical order, to Part 4 - Definitions of the said by-law, and renumbering all subsequent definitions accordingly:

"**Advertisement**" means the public communication of Bid opportunities through

one or more predetermined methods which may include electronic mail, internet/web, newspaper and/or an electronic tendering method to ensure an open, fair, transparent and competitive process.

“Electronic Bids/Bidding” (Email or Internet)” means a method of issuing Bid Solicitations and/or receiving written Bids where the process of issuing and/or receiving Bids by email or internet is considered appropriate.

“Electronic Signature” means electronic information that a person creates or adopts in order to sign a document and that is in, attached to or associated with the document.

2. That Schedule “A” to By-law No. 2017-015, as amended, be further amended by adding the following paragraph as paragraph two (2) under “Section 10 Procurement Methods”, and renumbering all subsequent paragraphs accordingly:

The City may elect to receive Electronic Bids, and the procurement process will be stated in the procurement document.

3. That Schedule “A” to By-law No. 2017-015, as amended, be further amended by deleting Subsection No. ix) to Section 10.5 - General Provisions of said by-law, and replacing with the following:

ix) A competitive process Advertisement shall be in local media (newspaper), or on the internet/web, or through an electronic tendering method, when the goods and/or services is valued over \$50,000 or when the value is under \$50,000 and it is necessary or practical to do so for fair notice of the competition, and may be mailed or emailed to qualified service providers/suppliers

4. That Schedule “A” to By-law No. 2017-015, as amended, be further amended by adding Subsection No. xi) to Section 10.5 - General Provisions of said by-law, and renumbering all subsequent subsections accordingly:

xi) Bidding will be by means of electronic submission through email or the City's website, or by paper procurement document.

5. That Schedule “A” to By-law No. 2017-015, as amended, be further amended by deleting Subsection No. xii) to Section 10.5 - General Provisions of the said by-law, and replacing with the following:

xii) All submissions must be received by the Municipal Clerk, and upon receipt of paper submissions, the time and date shall be indicated on the envelopes.

6. That Schedule “A” to By-law No. 2017-015, as amended, be further amended by deleting Subsection No. xiii) to Section 10.5 - General Provisions of said by-law, and replacing with the following:

xiii) Any changes or additional information shall be issued by Addendum, and posted at a minimum on the City's website. This will ensure that no parties shall have an unfair advantage during the bid process.

7. That Schedule "A" to By-law No. 2017-015, as amended, be further amended by deleting Section 10.6 - Submission of Bids of said by-law, and replacing with the following:

Unless otherwise indicated in the competitive bid documents, bids shall be accepted through Electronic Bidding prior to the time and date specified by the competitive bid.

The closing time shall be clearly stated in the competitive bid documents.

Bids in paper form, received at City Hall later than the specified closing time shall be returned unopened to the bidder. The official time is the time/date stamp.

A bidder who has already submitted a bid may submit a further bid at any time up to the official closing time and date specified by the competitive bid documents. The last bid received shall supersede and invalidate all bids previously submitted by the same bidder.

A bid may be withdrawn at any time up to the official closing time by letter on original letterhead bearing the same signature as in the bid submission.

8. That Schedule "A" to By-law No. 2017-015, as amended, be further amended by deleting paragraph No. 7 in Subsection No. i) No Acceptable or Equal Bids, of Section 10.8 Evaluation of Bids of said by-law, and replacing with the following:

In the unlikely event that two (2) or more compliant equal bids are submitted during a competitive bid process, the bid with the earliest official date/time stamp as indicated on the bid envelope or the electronic date/time stamp, will be considered the first bid received.

9. That Schedule "A" to By-law No. 2017-015, as amended, be further amended by deleting paragraph No. 1 in Subsection No. ii) Only One (1) Bid Received, of Section 10.8 Evaluation of Bids of said by-law, and replacing with the following:

In the event only one (1) bid is received in response to a competitive bid, the Department Head may return an unopened paper bid to the bidder when, in the opinion of the City Manager and Department Head, using criteria based on the number of bids which might reasonably be expected on a given type of bid, additional bids could be secured. In returning the unopened paper bid, the Department Head shall inform the bidder that the City may be re-issuing the competitive bid at a later date.

10. That Schedule “A” to By-law No. 2017-015, as amended, be further amended by deleting paragraph No. 5 in Subsection No. i) Contractual Agreement, of Section 10.9 Award of said by-law, and replacing with the following:

Where an agreement is required, as a result of the award of a contract by delegated approval authority, the Mayor and Municipal Clerk shall execute the agreement in the name of the City upon Council approval. Unless otherwise required by statute or by-law, an agreement may be executed electronically and/or by Electronic Signature in accordance with any legal requirements and any corporate policies, provided that the provisions of this By-law are otherwise complied with, subject to any necessary modifications.

11. That Schedule “A” to By-law No. 2017-015, as amended, be further amended by deleting the table under “Appendix “01” Bid Irregularities, and replacing with the following table:

Irregularity	Response Paper Bid	Response Electronic Bid
Late Bids	Automatic Rejection Returned unopened to the bidder (if known)	Automatic Rejection
Unsealed Envelopes	Automatic Rejection	N/A
Insufficient Financial Security		
a) No bid deposit, uncertified cheque or financial security not submitted/ uploaded with submission and/or not in the acceptable form	Automatic Rejection	Automatic Rejection
b) Amount of Financial Security is insufficient:	Automatic Rejection	Automatic Rejection
i) Amount of security is expressed as a percentage of total sum	Automatic Rejection; unless in the opinion of the Department Head or City Manager, the insufficiency in the financial security is trivial or insignificant	Automatic Rejection; unless in the opinion of the Department Head or City Manager, the insufficiency in the financial security is trivial or insignificant
ii) Amount of security is expressed as a dollar figure	Automatic Rejection	Automatic Rejection
c) Name or signature of supplier or bonding company are missing or incomplete	Automatic Rejection	Automatic Rejection
d) Failure to provide letter of agreement to bond (if required)	Automatic Rejection	Automatic Rejection
Bid Document – Execution		
a) Bids completed in erasable medium	Automatic Rejection	Automatic Rejection

b) Signature of Representative		
i) Signature/ Electronic Signature of representative authorized to bind the supplier missing or incomplete on bid document	Automatic Rejection	Automatic Rejection
c) Form of Proposal or Quotation missing or incomplete	Two (2) working days* to correction to the satisfaction of the Department Head, otherwise automatic rejection	Two (2) working days* to correction to the satisfaction of the Department Head, otherwise automatic rejection
d) Form of Tender missing or incomplete	Automatic Rejection	Automatic Rejection
e) Signature/ Electronic Signature of witness, if required, missing or incomplete	Two (2) working days* to correct, otherwise automatic rejection	Two (2) working days* to correct, otherwise automatic rejection
f) Date of Bid missing or incomplete	Two (2) working days* to correct, otherwise automatic rejection, or if stated in the Bid Solicitation, automatic rejection	Two (2) working days* to correct, otherwise automatic rejection, or if stated in the Bid Solicitation, automatic rejection
Incomplete, illegible or obscure Bid or Bids which contain information not called for, erasures, overwriting or strike outs (not initialed)	Two (2) working days* to correct to the satisfaction of the Department Head, otherwise automatic rejection	Two (2) working days* to correct to the satisfaction of the Department Head, otherwise automatic rejection
Document, in which all necessary Addenda have not been acknowledged	Two (2) working days* to confirm Bid to the satisfaction of the Department Head or if stated in the Bid Solicitation, automatic rejection	Two (2) working days* to confirm Bid to the satisfaction of the Department Head or if stated in the Bid Solicitation, automatic rejection
Failure to attend mandatory site visit (if required)	Automatic Rejection	Automatic Rejection
Bid received on documents other than those provided in the Bid Solicitation	Automatic Rejection unless allowed for in the bid Solicitation	Automatic Rejection unless allowed for in the bid Solicitation
Failure to insert the bidder's business name in the space provided in the Bid Solicitation Form	Automatic Rejection unless in the opinion of the Department Head, the incomplete nature is trivial or insignificant	Automatic Rejection unless in the opinion of the Department Head, the incomplete nature is trivial or insignificant
Mathematical Errors	Two (2) working days* to initial the correction as made by the Corporation. Unless otherwise stated in the Bid,	Two (2) working days* to initial the correction as made by the Corporation. Unless otherwise stated in

	the unit price shall prevail and the total Bid price shall be adjusted accordingly. The Corporation reserves the right to waive initialing and accept the Bid as corrected	the Bid, the unit price shall prevail and the total Bid price shall be adjusted accordingly. The Corporation reserves the right to waive initialing and accept the Bid as corrected
Qualified Bids (Bids qualified or restricted by an attached statement)	Automatic Rejection	Automatic Rejection
Bids containing minor obvious clerical errors	Two (2) working days* to confirm Bid to the satisfaction of the Department Head	Two (2) working days* to confirm Bid to the satisfaction of the Department Head
Any other irregularities	The Department Head or designate shall have the authority to waive other irregularities or grant two (2) working days to initial such other irregularities considered to be minor.	The Department Head or designate shall have the authority to waive other irregularities or grant two (2) working days to initial such other irregularities considered to be minor.
* Where "working days" is specified, this is from the hour the Bidder is notified by municipal staff of the irregularity.		

12. That this by-law shall come into force and take effect on the date of its final passing.
13. That the Clerk of the City of Temiskaming Shores is hereby authorized to make any minor modifications or corrections of an administrative, numerical, grammatical, semantically or descriptive nature or kind to the By-law and schedule as may be deemed necessary after the passage of this By-law, where such modifications or corrections do not alter the intent of the By-law.

Read a first, second and third time and finally passed this 19th day of December, 2023.

Mayor

Clerk

The Corporation of the City of Temiskaming Shores

By-law No. 2023-134

Being a by-law to adopt a Multi-Year Accessibility Plan 2024-2028

Whereas under Section 8 of the Municipal Act, 2001, S.O. 2001, c. 25, as amended, the powers of a municipality shall be interpreted broadly to enable it to govern its affairs as it considers appropriate and to enhance the municipality's ability to respond to municipal issues; and

Whereas under Section 9 of the Municipal Act, 2001, S.O. 2001, c.25, as amended, a municipality has the capacity, rights, powers and privileges of a natural person for the purpose of exercising its authority under this or any other Act; and

Whereas under Section 10 (1) of the Municipal Act, 2001, S.O. 2001, c.25, as amended, a single-tier municipality may provide any service or thing that the municipality considers necessary or desirable for the public; and

Whereas Council considered Administrative Report CS-046-2023 at the December 5, 2023 Committee of the Whole meeting, and directed staff to prepare the necessary by-law to adopt a Multi-Year Accessibility Plan for 2024-2028, for consideration at the December 19, 2023 Regular Council meeting.

Now therefore the Council of The Corporation of the City of Temiskaming Shores hereby enacts the following as a by-law:

1. That Council hereby adopts a Multi-Year Accessibility Plan for 2024-2028, a copy of which is hereto attached as Schedule A and forms part of this by-law.
2. That the Clerk of the City of Temiskaming Shores is hereby authorized to make minor modifications or corrections of a grammatical or typographical nature to the by-law and schedule, after the passage of this by-law, where such modifications or corrections do not alter the intent of the by-law.

Read a first, second and third time and finally passed this 19th day of December, 2023.

Mayor

Clerk



Schedule "A" to

By-law No. 2023-134

Multi-Year Accessibility Plan

2024-2028



City of Temiskaming Shores Multi-Year Accessibility Plan

2024-2028



Alternate accessible formats of this document are available, upon request. Please contact the Clerk's Office at 705-672-3363 or email clerk@temiskamingshores.ca

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Accessibility Plan and Policies for the City of Temiskaming Shores

The 2024-2028 Accessibility Plan outlines the policies and actions that the City of Temiskaming Shores will enact to improve opportunities for people with disabilities.

1.0 Introduction

The Ontarians with Disabilities Act (ODA) was passed by the Provincial Government in December, 2001. Subsequently the Accessibility for Ontarians with Disabilities Act (AODA) was passed in June, 2005. The AODA lays the framework for the development of province-wide mandatory standards for improving accessibility in certain areas of daily life.

The purpose of these acts is to improve the opportunities for persons with disabilities and to provide for their participation in the identification, removal, and prevention of barriers to allow for their full participation in the City of Temiskaming Shores.

Under the AODA, the Provincial Government has enacted regulations, including the Integrated Accessibility Standards Regulation (IASR), to require government agencies and the broader public sector to develop standards to address accessibility in the areas of: customer service; transportation; employment; information and communications; and design of public spaces. The municipal obligations include the following:

- a) establish, implement, maintain and document a multi-year accessibility plan, which outlines the organization's strategy to prevent and remove barriers and meet its requirements under this Regulation;
- b) post the accessibility plan on their website, if any, and provide the plan in an accessible format upon request; and
- c) review and update the accessibility plan at least once every five years.

The purpose of preparing an Accessibility Plan is to:

- Report on the steps that have been taken to identify, remove and prevent barriers to persons with disabilities;
- Describe the measures in place to ensure that the municipality assesses its proposals for by-laws, policies, programs, practices, and services to determine their effect on accessibility for persons with disabilities;
- Identify the by-laws, policies, programs, practices, and services that the municipality will review during the 2024-2028 period to identify barriers to persons with disabilities; and

- Describe the steps that the municipality intends to take during the 2024-2028 period to identify, remove, and prevent barriers to persons with disabilities.

The Accessibility Plan was reviewed by the Temiskaming Shores Accessibility Advisory Committee (TSAAC) for their consultation and feedback.

1.1 Definitions and Acronyms

AAC- Accessibility Advisory Committee

AODA- Accessibility for Ontarians with Disabilities Act

City- City of Temiskaming Shores

IASR- Integrated Accessibility Standards Regulation

ODA- Ontarians with Disabilities Act

Service Provider- The service provider in all transportation requirements refers to the contractual obligation between the City and contracted transit service provider

TSAAC- Temiskaming Shores Accessibility Advisory Committee

1.2 Statement of Commitment

The City of Temiskaming Shores is committed to treating all people in a manner that allows them to maintain their dignity and independence. The City believes in integration and equal opportunity. The City is committed to meeting the needs of people with disabilities in a timely manner and will do so by preventing and removing barriers to accessibility and meeting accessibility requirements under the Accessibility for Ontarians with Disabilities Act.

The City is committed to meeting the maintenance requirement for preventative and emergency maintenance of accessible elements in public spaces, and for implementing procedures for dealing with temporary disruptions when accessible elements in public spaces are not in working order (See Appendix 01).

1.3 Key Contacts

Applicable municipal staff are available by calling City Hall at 705-672-3363 or attending 325 Farr Drive, Haileybury:

- Plan Inquiries - Municipal Clerk
- Site Plan Agreements - City Planner
- Capital Facilities – Director of Recreation
- Capital Infrastructure (Roads, Sidewalks) – Manager of Transportation Services
- Committee Support - Director of Corporate Services
- Committee Secretary – Deputy Clerk

1.4 Organization

The City of Temiskaming Shores is located on the shores of beautiful Lake Timiskaming. The City is located approximately 500 km north of the City of Toronto, 150 km north of the City of North Bay, and 250 km south of the City of Timmins. Temiskaming Shores is just 20 km from the Ontario/Quebec border, which enhances the francophone culture in the community. Rich soils in the local area and in the region have created a proud agricultural heritage for the community. The City is now home to approximately 9,600 people and acts as the economic and service hub for many communities in the region.

1.5 Local Community Services

The following community services are a sample of those available to support individuals in the local community and surrounding areas:

- Timiskaming Home Support;
- Temiskaming Hospital;
- Timiskaming Health Unit;
- District of Timiskaming Social Services Administration Board;
- Canadian Mental Health Association;
- Community Living Temiskaming South;
- One Kids Place;

- One Light Diversity Centre Timiskaming;
- Cochrane Temiskaming Resource Center;
- Northern College;
- Le Centre de santé communautaire du Témiskaming;
- Timiskaming Diabetes Clinic;
- Community Cancer Care;
- Literacy Council of South Timiskaming;
- Great Northern Family Health Team;
- Haileybury Family Health Team;
- March of Dimes;
- Canadian National Institute for the Blind (CNIB); and
- Area Food Banks.

1.6 Services Provided by Other Levels of Government

The City of Temiskaming Shores is a single tier municipality within the District of Timiskaming. As a result, services are delivered to our residents on behalf of district wide provincial agencies such as the District of Timiskaming Social Services Administration Board which include, but are not limited to:

- Ontario Works;
- Social Housing;
- Children's Services;
- Land Ambulance; and
- Homes for the Aged.

As required under the Accessibility for Ontarians with Disabilities Act, the District of Timiskaming Social Services Board will prepare its own Accessibility Plan covering those services delivered by the district.

In addition, The Ministry of Community and Social Services is responsible for the delivery of the Ontario Disability Support Program (ODSP). The ODSP is intended to meet the needs of

people with disabilities and to help them become more independent. The ODSP has two parts:

1. Income Supports provides financial assistance to eligible people with disabilities; and
2. Employment Supports provide people with disabilities the support needed to acquire and retain employment.

2.0 Plan Statement

This plan addresses accessibility considerations for the City of Temiskaming Shores and its requirements under the Integrated Accessibility Standards Regulation (IASR). This plan builds on prior plans developed and goals achieved. The Plan will be reviewed every five years to address future requirements under the IASR and design of public spaces standard in in effect for all organization as of January 1, 2018.

As in previous plans, this plan will continue to focus on the IASR requirements, and it is the intent of this plan to focus on the following pillars as the City moves toward eliminating barriers in the Community:

- Education/Advocacy
- Facilities & Public Spaces
- Infrastructure
- Programming

2.1 Plan Consultation

This plan was prepared in consultation with the City of Temiskaming Shores senior management team, and members of the Temiskaming Shores Accessibility Advisory Committee (TSAAC).

3.0 Temiskaming Shores Accessibility Advisory Committee

Under the AODA, municipalities with populations of or exceeding 10,000 are required to establish an Accessibility Advisory Committees (AAC) and a majority of the Committee members must be persons with disabilities. According to the 2021 census, the City's population is below the 10,000 threshold, however, the City remains committed to the

elimination of barriers, accessibility in the community, and continues to have a functioning and active AAC.

The City of Temiskaming Shores formed its AAC in February 2004. The Temiskaming Shores Accessibility Advisory Committee (TSAAC) has been assigned the task of advising Council on all matters pertaining to accessibility considerations for persons with disabilities.

3.1 Terms of Reference for TSAAC

Please refer to By-law No. 2012-186, as amended for The Temiskaming Shores Accessibility Advisory Committee Terms of Reference.

3.2 Accessibility Accomplishments 2019-2023

- Audible pedestrian signals with tactile plating – Rorke Avenue
- Addition of accessible parking space -Armstrong Street
- Sidewalk repairs
- Infrastructure intersection repairs at Whitewood Avenue and Paget Street
- Continual procurement of accessible fleet for the Temiskaming Transit
- Addition of accessible transit shelters – Meridian Avenue and Whitewood Avenue
- Addition of tactile plating
- Facility accessibility upgrades:
- Relocation of the New Liskeard Library
- Don Shepherdson Memorial Arena
- Continuation of STATO Trail
- 2022 Municipal Election – online and telephone voting options
- Audio Visual upgrades to Council Chambers to permit live-streaming and transcribing of Council meetings
- Refurbishment of municipal playgrounds to include accessible equipment and rubberized surface
- Installation of Rotary Splash Pad

- Multiple site plan control reviews and input on a variety of City and private developments

4.0 Planned Strategies and Actions for the Identification, Removal, and Prevention of Barriers Temiskaming Shores 2024-2028

Barrier identification is used to determine what barriers exist and where the barriers are found. Examples of a barrier identification process include review of documents and publications, conducting public meetings, surveys and/or audits, the use of customer feedback forms and other mechanisms.

It is the intent of the multi-year accessibility plan for the City of Temiskaming Shores to prevent, identify and remove barriers or obstacles that limit or prevent people with disabilities from engaging in day-to-day activities taken for granted by people without disabilities.

A barrier may be defined as anything that inhibits or prevents a person with a disability from full participation in all aspects of society due to his or her disability.

There are several types of barriers to be considered:

- **Environmental Barriers:** features, buildings or spaces that restrict or impede physical access.
- **Communication Barriers:** obstacles that restrict or impede the processing, transmission and interpretation of information.
- **Attitudinal Barriers:** prejudgments or assumptions that directly or indirectly discriminate against a person with a disability.
- **Technological Barriers:** when technology cannot be or is not modified to support various assistive devices and/or software.

Barriers exist as a result of various forms of disability. In developing this Plan, the City has considered the functional limitations associated with several different kinds of disability and the effects of these limitations on an individual's ability to perform everyday tasks:

- Physical Impairment
- Hearing Loss
- Speech Loss
- Vision Loss

- Deaf-blind
- Smell
- Taste Limitation
- Touch
- Intellectual
- Mental Health
- Learning
- Other – resulting from accidents, illnesses, and diseases

4.1 Education and Awareness

The City of Temiskaming Shores is committed to promoting a culture of accessibility awareness and understanding within the organization, as well as among its residents, businesses, and visitors. To achieve this goal, TSAAC emphasized the importance of staff training, and overall promotion of accessibility in the workforce. The City will continue to work with community partners to ensure that information regarding accessibility of municipal programs, services and facilities is communicated through available channels.

1. Inform the public, businesses, children, local contractors, City councillors, staff, and City contractors on:
 - a. the importance of accessibility;
 - b. design guidelines to make Temiskaming Shores an accessible community; and
 - c. the IASR.
2. Follow available accessible design guidelines that have been developed by industry professionals that will assist in guiding developers, designers, contractors, renovators, homeowners, and City staff in their support of accessible design. Accessible guidelines include:
 - a. Site Plan control guidelines;
 - b. Subdivision design guidelines;
 - c. Interior design of buildings;

- d. Design guidelines for the Design of Public Spaces requirements under the IASR.
3. Review and abide by the developed policies and procedures in accordance with the IASR. Policies include:
 - a. Procurement policies and procedures;
 - b. Templates for accessible documents;
 - c. Accessible website development; and
 - d. Human resources and hiring.
4. Continue to source all available accessibility specific funding opportunities that may be available through both provincial and federal levels of government and other sources.

4.2 Maintenance of Accessible Elements

Section 80.44 of the IASR states that in addition to the accessibility plan requirements, obligated organizations, other than small organizations, shall ensure that their multi-year accessibility plans include the following:

1. Procedures for preventative and emergency maintenance of the accessible elements in public spaces as required under this Part.
2. Procedures for dealing with temporary disruptions when accessible elements required under this Part are not in working order. O. Reg. 413/12, s. 6.

In response, the City of Temiskaming Shores provides preventative maintenance of accessible elements through routine maintenance and inspections. Inspections focus on accessible elements covered by the Design of Public Spaces Standard and the Ontario Building Code. The City of Temiskaming Shores also notifies members of the public of any temporary disruptions to accessible elements through the City website, social media and the local newspaper, if applicable. Temporary accommodation is provided where possible in the event of a temporary disruption, whether emergency or preventative, until the disruption has ended. Accommodation during a disruption will vary depending on the nature of the disruption.

4.3 Facilities

The City, together with TSAAC and community feedback have identified the following facilities as being in need of accessibility upgrades:

- New Liskeard Community Hall (Engineering completed 2018)
- Haileybury Medical Centre parking lot (Paving)
- Shelley Herbert Shea Memorial Arena (Engineering proposed to be completed in 2024)
- Accessible paths for water access at the beachfronts in both Haileybury and New Liskeard
- Outdoor washrooms (including Spurline, Harbourfront, Algonquin Regiment Park, Farr Park, Dymond Sport Park)
- Spurline pathways (Proposed to be completed 2024)
- Public washrooms within the Waterfront Pool and Fitness Centre

4.4 Infrastructure

Throughout the duration of the plan, the Public Works Department together with the Committee will develop a plan that will better determine where repairs to existing intersections and crosswalks need to be addressed such as:

Intersections:

- Whitewood/Armstrong
- Whitewood/Wellington
- Armstrong/Elm/Beavis (top of the bridge)
- Downtown Core Areas

The City will continue to allocate \$25,000 annually within the budget for accessibility-related costs such as curb cuts, sidewalk repairs, and accessible parking spaces. The Committee will meet with City representatives annually to identify areas of priority, needs, appropriate curb cuts and to improve overall access and eliminate barriers.

The City along with groups such as the Temiskaming Transit Committee, will continue to ensure the transit fleet and transit shelters remain in compliance with accessibility standards,

and the Recreation Department on any future refurbishment of facilities, playgrounds and community trails.

4.5 Programming

The City remains committed to supporting programming initiatives such as the Age Friendly Committee. When developing and scheduling public programming, City staff will prioritize the usage of accessible spaces such as Dymond Hall and Riverside Place.

Appendix 01: Accessible Maintenance of Public Spaces Procedure

Background

Section 80.44, Maintenance of Accessible Elements, under Ontario Regulation 191/11 for the Integrated Accessibility Standards, made under the Accessibility for Ontarians with Disabilities Act, 2005 (AODA), outlines that in addition to the accessibility plan requirements set out in Section 4 of the above-mentioned regulation, obligated organizations, other than small organizations, shall ensure that their multi-year accessibility plans include the following:

1. Procedures for preventative and emergency maintenance of the accessible elements in public spaces as required under this Part.
2. Procedures for dealing with temporary disruptions when accessible elements required under this Part are not in working order.

Purpose

Accessible public spaces include specific features that make it easier for everyone – people with disabilities, seniors and families – to use public spaces. Maintenance procedures are important to ensure that people with disabilities can access public spaces, and are important to retain an accessible environment that is safe and useable by everyone.

Maintenance Procedures

Preventative and Emergency Maintenance

Accessible elements of public spaces and buildings will be inspected on a regular basis. Elements that are found to have defects or need maintenance will be identified, and a plan will be developed to correct the defect or maintenance issue.

If an accessible element requires emergency maintenance or repairs, it will be taken out of service. Necessary repairs will be assessed and addressed based on priority.

Service Disruptions

In the event of a service disruption to the accessible parts of its public spaces during business hours, the City will notify the public as soon as reasonably possible of the service disruption

and available alternatives. In the case of a planned disruption, the City will post signage on-site at least two (2) days prior to the disruption. It will also post a notice on the its website. The City will also provide notification by other means deemed appropriate to the disruption (print or radio ads, social media, press release, etc.). Persons who have appointments at any location operated by the City will be notified by telephone of a cancellation or alternatives available prior to the disruption and the estimated time of restoration.

The Corporation of the City of Temiskaming Shores

By-law No. 2023-135

Being a by-law to enter into an agreement with Digital Media & Communications (2013) Ltd. for digital marketing services to promote the Northern Ontario Mining Showcase at the 2024 PDAC and CIM Conventions

Whereas under Section 8 of the Municipal Act, 2001, S.O. 2001, c. 25, as amended, the powers of a municipality shall be interpreted broadly to enable it to govern its affairs as it considers appropriate and to enhance the municipality's ability to respond to municipal issues; and

Whereas under Section 9 of the Municipal Act, 2001, S.O. 2001, c.25, as amended, a municipality has the capacity, rights, powers and privileges of a natural person for the purpose of exercising its authority under this or any other Act; and

Whereas under Section 10 (1) of the Municipal Act, 2001, S.O. 2001, c.25, as amended, a single-tier municipality may provide any service or thing that the municipality considers necessary or desirable for the public; and

Whereas Council considered Administrative Report No. CS-048-2023 at the December 5, 2023 Committee of the Whole meeting, and directed staff to prepare the necessary By-law to enter into an agreement with Digital Media & Communications (2013) Ltd. for digital marketing services, to promote the Northern Ontario Mining Showcase at the 2024 PDAC and CIM Conventions, in the amount of \$29,900 plus applicable taxes, for consideration at the December 19, 2023 Regular Council meeting.

Now therefore the Council of The Corporation of the City of Temiskaming Shores hereby enacts the following as a by-law:

1. That Council authorizes the entering into an agreement with Digital Media & Communications (2013) Ltd. for digital marketing services to promote the Northern Ontario Mining Showcase at the 2024 PDAC and CIM Conventions, in the amount of \$29,900 plus applicable taxes, a copy of which is attached hereto as Schedule "A" and forming part of this by-law.
2. That the Clerk of the City of Temiskaming Shores is hereby authorized to make minor modifications or corrections of a grammatical or typographical nature to the by-law and schedule, after the passage of this by-law, where such modifications or corrections do not alter the intent of the by-law or its associated schedule.

Read a first, second and third time and finally passed this 19th day of December, 2023.

Mayor

Clerk



Schedule “A” to

By-law 2023-135

Agreement between

The Corporation of the City of Temiskaming Shores

and

Detail Media & Communications (2013) Ltd.

For digital marketing services to promote the Northern Ontario Mining Showcase
at the 2024 PDAC and CIM Conventions

This agreement made this 19th day of December 2023.

Between:

The Corporation of the City of Temiskaming Shores
(hereinafter called "the Owner")

and

Detail Media & Communications (2013) Ltd.
(hereinafter called "the Consultant")

Witnesseth:

That the Owner and the Consultant shall undertake and agree as follows:

Article I:

The Consultant will:

- a) Provide all material and perform all work described in the Contract Documents entitled:

**The Corporation of the City of Temiskaming Shores
NOMS Digital Media
Request for Proposal No. CS-RFP-003-2023**

- b) Do and fulfill everything indicated by this Agreement and in the Form of Agreement attached hereto Appendix 01; and
- c) Complete, as certified by the Economic Development Officer, all the work by **June 30, 2024.**

Article II:

The Owner will:

- a) Pay the Consultant in lawful money of Canada for the material and services aforesaid Twenty-Nine Thousand, Nine-Hundred Dollars and Zero Cents (\$29,900.00) plus applicable taxes, subject to additions and deductions as provided in the Contract Documents.
- b) Make payment on account thereof upon delivery and completion of the said work and receipt of invoice, in accordance with the City of Temiskaming Shores Purchasing Policy, and with terms of Net 30 days after receiving such invoice.

Article III:

All communications in writing between the parties, or between them and the Manager shall be deemed to have been received by the addressee if delivered to the individual or to a member of the firm or to an officer of the Owner for whom they are intended or if sent by hand, Canada Post, courier, facsimile or by another electronic communication where,

during or after the transmission of the communication, no indication or notice of a failure or suspension of transmission has been communicated to the sender. For deliveries by courier or by hand, delivery shall be deemed to have been received on the date of delivery; by Canada Post, 5 days after the date on which it was mailed. A communication sent by facsimile or by electronic communication with no indication of failure or suspension of delivery, shall be deemed to have been received at the opening of business on the next day, unless the next day is not a working day for the recipient, in which case it shall be deemed to have been received on the next working day of the recipient at the opening of business.

The Consultant:

Detail Media & Communications

82 Argento Boulevard
Timmins ON
P4P 0A1

The Owner:

City of Temiskaming Shores

P.O. Box 2050, 325 Farr Drive
Haileybury, Ontario
P0J 1K0

The Economic Development Officer:

Economic Development Officer

City of Temiskaming Shores
P.O. Box 2050, 325 Farr Drive
Haileybury, Ontario
P0J 1K0

Remainder of Page left blank intentionally

In witness whereof the parties have executed this Agreement the day and year first above written.

Signed and Sealed in
the presence of

Detail Media & Communications

Jamie Dallaire, Project Manager

Municipal Seal

**The Corporation of the City of Temiskaming
Shores**

Mayor – Jeff Laferriere

Clerk - Logan Belanger



Appendix 01 to
Schedule "A" to

By-law No. 2023-135

Form of Agreement

**City of Temiskaming Shores
CS-RFP-003-2023 NOMS Digital Media**

Form of Proposal

Proponent's submission of bid to:

The Corporation of the City of Temiskaming Shores

Stipulated Bid Price

We/I, Detail Media & Communications (2013) Ltd.
(Registered Company Name/Individuals Name)

Of, 82 Argento Boulevard, Timmins ON P4P 0A1
(Registered Address and Postal Code)

Phone Number: 705-262-4960 Email: jamie@detailmedia.ca

We/I hereby offer to enter into an agreement for the supply of services, as required in accordance to the Proposal for a price of (must be CDN funds):

We/I hereby offer to enter into an agreement, as required in accordance to the proposal for a price of:

Hourly rate (+HST) \$ 100 / hr

Daily rate (+HST) \$ 700 / hr

Bidder's Authorized Official: Jamie Dallaire

Title: Owner / Project Manager

Signature: 

Date: November 27, 2023

Form 1 to be submitted.

City of Temiskaming Shores
CS-RFP-003-2023
NOMS Digital Media

Non-Collusion Affidavit

I/ We Detail Media & Communications (2013) Ltd. the undersigned am fully informed respecting the preparation and contents of the attached Proposal and of all pertinent circumstances respecting such bid.

Such bid is genuine and is not a collusive or sham bid.


Neither the bidder nor any of its officers, partners, owners, agents, representatives, employees or parties of interest, including this affiant, has in any way colluded, conspired, connived or agreed directly or indirectly with any other Bidder, firm or person to submit a collective or sham bid in connection with the work for which the attached bid has been submitted nor has it in any manner, directly or indirectly, sought by agreement or collusion or communication or conference with any other bidder, firm or person to fix the price or prices in the attached bid or of any other Bidder, or to fix any overhead, profit or cost element of the bid price or the price of any bidder, or to secure through any collusion, conspiracy, connivance or unlawful agreement any advantage against the City of Temiskaming Shores or any person interested in the proposed bid.

The price or prices proposed in the attached bid are fair and proper and not tainted by any collusion, conspiracy, connivance or unlawful agreement on the part of the Bidder or any of its agents, representatives, owners, employees, or parties in interest, including this affiant.

The bid, quotation or proposal of any person, company, corporation or organization that does attempt to influence the outcome of any City purchasing or disposal process will be disqualified, and the person, company, corporation or organization may be subject to exclusion or suspension.

Dated at: 10:29 PM this 27 day of November, 2023.

Signed:



Title:

Owner / Project Manager

Company Name:

Detail Media & Communications (2013) Ltd.

Form 2 to be submitted.

Conflict of Interest Declaration

Please check appropriate response:

- ☒ I/We hereby confirm that there is not nor was there any actual perceived conflict of interest in our Proposal submission or performing/providing the Goods/Services required by the Agreement.
- ☐ The following is a list of situations, each of which may be a conflict of interest, or appears as potentially a conflict of interest in our Company's Proposal submission or the contractual obligations under the Agreement.

List Situations:

In making this Proposal submission, our Company has / has no (*strike out inapplicable portion*) knowledge of or the ability to avail ourselves of confidential information of the City (other than confidential information which may have been disclosed by the City in the normal course of the RFP process) and the confidential information was relevant to the Work/Services, their pricing or quotation evaluation process.

Dated at: 10:35 PM this 27 day of November, 2023.

Signature: 

Bidder's Authorized Official: Jamie Dallaire

Title: Owner / Project Manager

Company Name: Detail Media & Communications (2013) Ltd.

Form 3 to be submitted.

Accessibility for Ontarians with Disabilities Act, 2005 Compliance Agreement

I/We, by our signature below, certify that we are in full compliance with Section 6 of Ontario Regulation 429/07, Accessibility Standards for Customer Service made under the *Accessibility for Ontarians with Disabilities Act, 2005*. If requested, we are able to provide written proof that all employees have been trained as required under the act.

This regulation establishes accessibility standards for customer service as it applies to every designated public sector organization and to every person or organization that provides goods or services to members of the public or other third parties and that have at least one employee in Ontario.

Name: Jamie Dallaire Company Name: Detail Media & Communications (2013) Ltd.

Phone Number: 705-262-4960 Email: jamie@detailmedia.ca

I, Jamie Dallaire, declare that I, or my company, are in full compliance with Section 6 of Ontario Regulation 429/07, Accessibility Standards for Customer Service under

Form 4 to be submitted.

**City of Temiskaming Shores
CS-RFP-003-2023 NOMS Digital Media**

List of Proposed Sub-Contractors


A list of Sub-Contractors that the Contractor proposes to employ in completing the required work outlined in this Proposal must be included in the Proposal documents submitted.

Name	Address	Component

I / We verify that the information provided above is accurate and that the individuals are qualified, experienced operators capable of completing the work outlined in this Tender document.

Dated at: 10:40 PM this 27 day of November, 2023.

Signature:



Bidder's Authorized Official:

Jamie Dallaire

Title:

Owner / Project Manager

Company Name:

Detail Media & Communications (2013) Ltd.

Form 5 to be submitted.

The Corporation of the City of Temiskaming Shores

By-law No. 2023-136

Being a by-law to repeal By-law No. 2019-106, as amended, for the appointment of Municipal Law Enforcement Officers to enforce the City's Animal Control By-law and Noise By-law as it relates to Animal Control Services

Whereas under Section 8 of the Municipal Act, 2001, S.O. 2001, c. 25, as amended, the powers of a municipality shall be interpreted broadly to enable it to govern its affairs as it considers appropriate and to enhance the municipality's ability to respond to municipal issues; and

Whereas under Section 9 of the Municipal Act, 2001, S.O. 2001, c. 25, as amended, a municipality has the capacity, rights, powers and privileges of a natural person for the purpose of exercising its authority under this or any other Act; and

Whereas under Section 10 (1) of the Municipal Act, 2001, S.O. 2001, c. 25, as amended, a single-tier municipality may provide any service or thing that the municipality considers necessary or desirable for the public; and

Whereas pursuant to Section 15 (1) of the Police Services Act, R.S.O. 1990, as amended, Council of a municipality may appoint persons to enforce the by-laws of the municipality; and

Whereas Section 15 (2) of the Police Services Act, R.S.O. 1990, as amended, defines municipal law enforcement officers as peace officers for the purpose of enforcing municipal by-laws; and

Whereas the City of Temiskaming Shores Animal Control By-law defines an Animal Control Officer as a person appointed by Council as a Municipal Law Enforcement Officer to enforce the provisions of the by-law; and

Whereas Council considered Administrative Report No. CS-049-2023 at the December 5, 2023 Regular Council meeting, and directed staff to prepare the necessary By-law to repeal By-law No. 2019-106, to appoint Municipal Law Enforcement Officers, effective November 30, 2023, at the December 19, 2023 Regular Council meeting.

Now therefore the Council of The Corporation of the City of Temiskaming Shores enacts the following as a by-law:

1. That Council for the City of Temiskaming Shores hereby repeals By-law No. 2019-106, and any associated amendments, effective November 30, 2023.
2. That the Clerk of the City of Temiskaming Shores is hereby authorized to make minor modifications or corrections of a grammatical or typographical nature to the By-law and schedule, after the passage of this By-law, where such modifications or corrections do not alter the intent of the By-law.

Read a first, second and third time and finally passed this 19th day of December, 2023

Mayor

Clerk

The Corporation of The City of Temiskaming Shores

By-law No. 2023-137

Being a By-law to amend By-law No. 2017-154 to rezone property from the Community Facilities (CF) Zone to the High Density Residential Exception 20 (R4-20) zone to allow for the development of multi-unit residential buildings on the property with a maximum of 59 units

Roll Nos. 5418-010-005-171.00 / 166.00 / 006-027.00

Whereas pursuant to the provisions of Section 34 of the Planning Act, R.S.O. 1990 c.P. 13, as amended, the Council of a Municipality may enact by-laws to authorize the use of land, buildings or structures for any purpose set out therein that is otherwise prohibited; and

Whereas By-law No. 2017-154 regulates the use of land and the use and erection of buildings and structures within the Corporation of the City of Temiskaming Shores; and

Whereas Council considered Administrative Report No. CS-050-2023 at the Regular Council meeting held on December 19, 2023, and directed staff to prepare the necessary by-law to amend the City of Temiskaming Shores Zoning By-law No. 2017-154 to rezone the property from Community Facilities (CF) to High Density Exception 20 (R4-20) for consideration at the December 19, 2023 Regular Council meeting; and

Whereas the Council of the Corporation of the City of Temiskaming Shores deems it advisable to amend By-law No. 2017-154 as hereinafter set forth.

Now therefore be it resolved that the Council of the Corporation of the City of Temiskaming Shores enacts as follows:

1. The property affected by this By-law is located at 121 Davidson Street (PLAN M29NB LOTS 228 TO 231 PT LANE BG RP 54R2717 PART 4 PCL 24281SST; PLAN M29NB PT LOT 235 RP 54R1924 PART 1 PCLS 14324 20392SST; PLAN M29NB LOTS 215 TO 222 PT LOT 223 PCL 1636SST; portion of the Dymond Crescent road allowance between Broadwood Avenue and 200 Lakeshore Road).
2. By-law No. 2017-154 is hereby amended as follows:
 - (a) Schedule 'F3' of By-law No. 2017-154 is hereby amended by rezoning the affected property from the "Community Facilities (CF) Zone" to the "High Density Residential Exception 20 (R4-20) Zone" in accordance with the provisions of this By-law.
 - (b) By-law No. 2017-154, as amended, is hereby further amended by adding the following information in the 'R4-20' row in Table 6.5.4:

Exception	By-law	Location	Schedule	Special Provisions
R4-20	2023-137	121 Davidson Street and adjacent property	F3	The maximum number of dwelling units shall be 59.

3. This By-law shall come into full force and effect in accordance with Section 34 (19) of the *Planning Act*, R.S.O. 1990.

Read a first, second and third time and finally passed this 19th day of December, 2023.

Mayor

Clerk



Rezoned from Community Facilities (CF) to High Density Residential Exception 20 (R4-20)

The Corporation of the City of Temiskaming Shores

By-law No. 2023-138

Being a by-law to enter into a three (3) year agreement with eScribe Software Ltd. for meeting management software, within the Canoe Procurement Group, via SHI

Whereas under Section 8 of the Municipal Act, 2001, S.O. 2001, c.25, as amended, the powers of a municipality shall be interpreted broadly to enable it to govern its affairs as it considers appropriate and to enhance the municipality's ability to respond to municipal issues; and

Whereas under Section 9 of the Municipal Act, 2001, S.O. 2001, c.25, as amended, a municipality has the capacity, rights, powers and privileges of a natural person for the purpose of exercising its authority under this or any other Act; and

Whereas under Section 10 (1) of the Municipal Act, 2001, S.O. 2001, c.25, as amended, a -tier municipality may provide any service or thing that the municipality considers necessary or desirable for the public; and

Whereas Council considered Administrative Report No. CS-051-2023 at the December 19, 2023 Regular Council Meeting, and directed staff to prepare the necessary by-law to enter into a 3-year agreement with eScribe Software Ltd. for meeting management software, within the Canoe Procurement Group, via SHI at a total cost of \$33,643 plus applicable taxes, for consideration at the December 19, 2023 Regular Council meeting.

Now therefore the Council of The Corporation of the City of Temiskaming Shores hereby enacts the following as a by-law:

1. That the Mayor and Clerk be authorized to enter into a three-year agreement with eScribe Software Ltd., for meeting management software, within the Canoe Procurement Group, via SHI at a total cost of \$33,643 plus applicable taxes, a copy attached hereto as Schedule "A" and forming part of this by-law.
2. That the Mayor and Clerk have the delegation of authority to execute any and all required documentation and amendments, on behalf of the City of Temiskaming Shores, as required under the Agreement, as long as the amendments do not create any financial liability for the City that is beyond a budget approved by Council.
3. That the Clerk of the City of Temiskaming Shores is hereby authorized to make minor modifications or corrections of a grammatical or typographical nature to the by-law and schedule, after the passage of this by-law, where such modifications or corrections do not alter the intent of the by-law.

Read a first, second and third time and finally passed this 19th day of December, 2023.

Mayor

Clerk



Schedule "A" to

By-law No. 2023-138

Agreement between

The Corporation of the City of Temiskaming Shores

And

eScribe Software Ltd.

for meeting management software, within the Canoe Procurement Group

eScribe Subscription Agreement is identified as Confidential

The Corporation of the City of Temiskaming Shores

By-law No. 2023-139

**Being a by-law to enter into an Agreement with Sylvain G.
Gelineau for the Lease of Bucke Park from January 1, 2024, to
December 31, 2028 for the operation of a campground**

Whereas under Section 8 of the Municipal Act, 2001, S.O. 2001, c.25, as amended, the powers of a municipality shall be interpreted broadly to enable it to govern its affairs as it considers appropriate and to enhance the municipality's ability to respond to municipal issues; and

Whereas under Section 9 of the Municipal Act, 2001, S.O. 2001, c.25, as amended, a municipality has the capacity, rights, powers and privileges of a natural person for the purpose of exercising its authority under this or any other Act; and

Whereas under Section 10 (1) of the Municipal Act, 2001, S.O. 2001, c.25, as amended, a single-tier municipality may provide any service or thing that the municipality considers necessary or desirable for the public; and

Whereas Council considered Administrative Report RS-029-2023 at the December 19, 2023 Regular Council meeting, and directed staff to prepare the necessary by-law to enter into an agreement with Sylvain Gelineau for the lease of Bucke Park from January 1, 2024, to December 31, 2028 for the operation of a campground, for consideration at the December 19, 2023 Regular Council meeting; and

Whereas the Council of The Corporation of the City of Temiskaming Shores deems it desirable to enter into a lease agreement with Sylvain Gelineau for the operation of Bucke Park from January 1, 2024, to December 31, 2028.

Now therefore the Council of The Corporation of the City of Temiskaming Shores hereby enacts the following as a by-law:

1. That the Mayor and Clerk be authorized to enter into a lease agreement with Sylvain G. Gelineau for the Operation of Bucke Park Campground from January 1, 2024, to December 31, 2028, a copy of which is attached hereto as Schedule "A" and forming part of this by-law.
2. That the Clerk of the City of Temiskaming Shores is hereby authorized to make minor modifications or corrections of a grammatical or typographical nature to the By-law and schedule, after the passage of this By-law, where such modifications or corrections do not alter the intent of the by-law or its associated schedule.

Read a first, second and third time and finally passed this 19th day of December, 2023.

Mayor

Clerk



Schedule "A" to

By-law 2023-139

Agreement between

The Corporation of the City of Temiskaming Shores

And

Sylvian Gelineau

for the Lease of Bucke Park from January 1, 2024, to December 31,
2028 for the operation of a campground

This agreement made the 19th day of December, 2023.

Between:

The City of Temiskaming Shores
(Hereinafter called the "City")

And:

Sylvain G. Gelineau
(Hereinafter called the "Tenant")

WHEREAS the City is the owner of the lands described as follows:

North Part of Lot 15; Concession 1; Bucke Township; Parcel 4139 N.N.D. (Hereinafter called the "Lands"); and

On the Lands there is a two-story building (Hereinafter called the "Chalet")

WHEREAS the Tenant wishes to operate a Campground business on the City's Lands.

THEREFORE, the parties hereto have agreed to enter into this lease agreement.

1. LEASED PREMISES

The City hereby demises and leases to the Tenant the Lands municipally known as "Bucke Park" in the City of Temiskaming Shores, Ontario as shown on Schedule "A" hereto attached, being hereinafter called the "lands".

2. TERM

To hold the premises for a term commencing **January 1, 2024**, to **December 31, 2028**.

3. RATE

The Tenant shall pay the City **Fifteen Thousand Dollars (\$15,000)** plus applicable taxes to utilize the lands for the operation of a campground and related services per year of the agreement. The City shall invoice the Tenant 25% of the yearly fee on May 1st of each year of the agreement and the remaining 75% of the yearly fee on June 1st of each year of the agreement.

The yearly fee shall increase by 3% each calendar year.

All payment terms of the invoices provided to the Tenant shall follow the City's regular practices.

4. LANDS USAGE

The Lands shall be utilized by the Tenant for the use as a campground and provision of related campground services.

5. WORKPLACE SAFETY INSURANCE BOARD

The Tenant agrees to submit to the City, a Clearance Certificate from the Workplace Safety and Insurance Board (WSIB) of Ontario; or written confirmation from the Workplace Safety Insurance Board that the Tenant and employees are not subject to Workplace Safety Insurance.

Workplace Safety Insurance Act coverage, assessments or reports are the exclusive responsibility of the Tenant. If in default under the Act or Regulations, the City may withhold payment in an amount sufficient to cover such default or cancel the contract.

6. INDEMNIFICATION AND SAVE HARMLESS

The Tenant hereby covenants at all times to indemnify and save harmless the City against all claims and demands which may be brought against or made upon the Tenant and against all loss, liabilities, judgments, costs, demand or expenses, including legal costs, which the City may suffer resulting from or incidental to the services contracted subject to this Agreement or from any act or omission to act on the part of the Tenant, its servants, agents, employees, contractors, sub-contractors, owners, operators or any of them during the currency of this agreement.

7. RENEWAL

At the end of this term, at the mutual option of the Landlord and Tenant, the agreement may be renewed for a further five (5) year period, subject to the same terms and conditions of this agreement.

8. TENANT'S COVENANTS

Rent

- 8.1 To pay rent.

Insurance

- 8.2 To provide General Liability Insurance for coverage of all areas under this lease in the joint names of the Tenant and the City of Temiskaming Shores with the limits of not less than (\$2,000,000) **Two million dollars (Canadian)**, inclusive per occurrence for bodily injury, death or damage for property including loss of use thereof. Proof of insurance must be supplied to the City prior to occupying the Lands and thereafter to provide proof of

insurance on each anniversary of the date of occupation; and, to provide proof of insurance forthwith upon request by the City at any time.

Water Distribution System

- 8.3 When the park is occupied by any individual, the Tenant is to ensure that free available chlorine (FAC) residual is tested and recorded every 24 hours, turbidity is tested and recorded every 72 hours and that checks are completed by trained personnel as per Timiskaming Health Unit Directive dated August 26, 2019 hereto attached as Schedule “B”. The Tenant is also required to provide all records of testing to the City on a monthly basis.
- 8.4 The Tenant is required to provide to the City a list of all personnel, including name and cell number, who will be conducting water system testing and recording.
- 8.5 The Tenant will oversee all parts of the water distribution system within the Land except for the Well, Water Treatment building and any equipment within.
- 8.6 The Tenant shall be responsible for any and all costs associated with the maintenance of the water distribution system except for the Well, Water Treatment Building and any equipment within.

Sanitary Collection System

- 8.7 The Tenant will oversee the disposal of wastewater by all park patrons into the waste disposal system. The Tenant shall be responsible for any and all costs associated with the disposal of waste from the waste disposal system.
- 8.8 Pay for the costs associated with the Sanitary Collection System and programs unless otherwise specified.
- 8.9 To utilize a licensed waste hauler in respect to the Wastewater Holding Tanks and pay all associated costs for such unless otherwise specified.

Roadways

- 8.10 The Tenant shall be responsible for the maintenance of the Land’s roadways past the park entrance sign as noted on Schedule “A”.

Electrical System

- 8.11 The Tenant shall be responsible for the maintenance of the Land’s electrical system.

- 8.12 The Tenant shall be responsible for paying 50% of the City’s annual electricity costs for the Lands. Electricity costs shall be calculated and invoiced by the City after all billing for the calendar year has been received.
- 8.13 Any electrical work shall be completed by a licensed electrical contractor with a valid ESA certification and working under an appropriate ESA permit.

Maintenance and Repair of the Lands

- 8.14 During the term of the agreement and any extension thereof to keep the said lands and Chalet including windows, and fixtures therein in good repair, damage by fire, lightning, tempest, flood, explosion, act of God, riot, civil commotion, insurrection, structural defects and other causes not the fault or responsibility of the Tenant or any of its employees, only excepted, and to deliver them up in such condition on the termination of the lease.

Cost of Repairs when Tenant at fault

- 8.15 That if the Chalet, heaters, light fixtures, pipes and other apparatus (or any of them) used for the purpose of heating the building, or if water pipes, drainage pipes, or the roof, outside walls or windows of the Chalet get out of repair or become damaged or destroyed through the negligence, carelessness or misuse by the Tenant, his directors, members, invites, servants, agents, or anyone permitted by him to be in the Chalet, the expense of any necessary repairs, replacements or alterations shall be the exclusive cost of the Tenant.

Assigning of Subletting

- 8.16 The Tenant may not assign temporary use to other bodies unless prior written consent is received from the City, which consent will not be unreasonably withheld. The Tenant will be responsible for all provisions of this agreement when temporary use is assigned to other bodies.

Park Maintenance

- 8.17 The Tenant shall be responsible for the repair and maintenance of the park grounds, waterfront, docks, buildings, electrical system, sanitary waste disposal system, picnic tables, firepits, vegetation, signposts and roadways.

Cleanliness

- 8.18 The Tenant shall be responsible for janitorial services to cause the buildings with the park to be kept in a state acceptable to the Timiskaming Health Unit and the City.

Solid Waste Collection

- 8.19 The Tenant shall be responsible for providing adequate waste and recycling collection at the park for use by patrons of the park.
- 8.20 The Tenant shall ensure that all solid waste produced at the Lands be disposed of at a licensed waste facility at the cost of the Tenant.

Entry by City

- 8.21 To permit the City or its agents to enter upon the premises at anytime and from time to time for the purpose of inspecting and making repairs, alterations or improvements to the premises or to any structure, maintenance or operation of the Water Treatment Building, and the Tenant shall not be entitled to compensation for any inconvenience, nuisance, or discomfort occasioned thereby; provided that the landlord shall give reasonable advance notice to avoid inconvenience to the Tenant.
- 8.22 To permit the City or its agents to enter upon the premises at anytime for the purpose of inspecting, maintaining, and operating the Water Treatment Building, and the Tenant shall not be entitled to compensation for any inconvenience, nuisance, or discomfort occasioned thereby.

Adherence to Law

- 8.23 All Municipal, Provincial and Federal laws and regulations must be adhered to by the Tenant (Occupational Health and Safety, Ministry of Labour, Environmental, By-laws, Revenue Canada, Health Unit Regulations, etc.).

Alterations

- 8.24 Except as herein provided, not to make or permit to be made any structural alteration, addition, change or improvement to the Chalet or the Lands without obtaining prior written approval of the City which approval shall not be unreasonably withheld.
- 8.25 Any new structures erected on the lands by the Tenant shall be the sole property of the Tenant. At the conclusion of the agreement, the Tenant shall be responsible for the removal of their structures unless otherwise agreed upon by both parties.

Usage of Park

- 8.26 The Tenant will ensure all patrons respect that the Lands, with the exception of the established campground sites, are for freehold public use. The Tenant may not charge or unreasonably restrict use of the boat launch,

parking areas, beach, Devil’s Rock Trail system, and fishing or common park areas within the lands.

Fire Control

- 8.27 The Tenant shall obtain a burning permit from the City of Temiskaming Shores in accordance to regulations and abide by any restrictions announced throughout the operating season.
- 8.28 The Tenant shall ensure that no person shall light or use an open fire except in fire pits designated for such purpose.
- 8.29 It is the responsibility of the Tenant to ensure that campers follow the provisions of the fire permit and that there are no burning restrictions in place.

Boat Slips at Marina

- 8.30 The Tenant is entitled to rent boat slips to the general public. Boat slip locations will be at the discretion of the Tenant and the Tenant has the discretion to request a boat slip tenant to move to a different boat slip. Storage of boats on the outside of the break-wall or in a manner that prohibits the use of the launch shall be prohibited.

9. CITY’S COVENANTS

Electricity

- 9.1 To ensure electricity is supplied to the Chalet and Lands during the term of the agreement.

Access to the Lands

- 9.2 To provide the Tenant, members, invitees and servants reasonable access to the land by means of an access road. Grading and maintenance of the road will be in accordance with Ontario Regulation 239/02 ‘Minimum Maintenance Standards for Municipal Highways’ and to the satisfaction of the City.

Insurance

- 9.3 To provide for insurance against perils such as fire, wind, snow and other acts of God.

Taxes

- 9.4 To pay all taxes and rates, municipal, parliamentary or otherwise, levied against the Lands or the Tenant on account thereof.

Chalet Maintenance

- 9.5 To ensure that the Chalet is structurally sound and to alleviate any structural defects which may arise.

Dock Maintenance

- 9.6 The City shall be responsible for the installation and removal of docks at prearranged dates agreed to by the Tenant and City.

Drinking Water System

- 9.7 The City will ensure that the drinking water system is in compliance with the Ontario Safe Drinking Water Act.
- 9.8 The City shall be responsible for the maintenance and operation of the Water Treatment Building and associated water well located on the Lands.

Winterization

- 9.9 The City shall complete yearly winterization of the Chalet building and all parts of the water distribution system. Winterization shall commence at a mutually agreed upon date each year or October 31st, whichever is sooner. Winterization shall take place with the Tenant present and any damages from the usage of the water distribution system during or after winterization by the City shall be considered negligence on behalf of the Tenant. To clarify, damage due to improper winterization by the City shall not be considered negligence on behalf of the Tenant.

Fire Control

- 9.10 Upon satisfactory inspection by the City of Temiskaming Shores Fire Department, the City shall provide a burning permit to the Tenant at no cost.

10. PROVISOS

Provided always and it is hereby agreed as follows:

Amendments

- 10.1 This agreement may not be modified or amended except by an instrument in writing signed by the parties hereto or by their successors or assigns.

Replacement of Damaged Facilities

- 10.2 In the event that the complete destruction of or damage to the Chalet or partial damage to the building which results in the Tenant's inability to reasonably carry on his business therein, the Agreement shall cease until the premises are fit to allow the Tenant to reasonably carry on his business. The City shall begin the repair or replacement thereof and with due diligence repair or reconstruct the structure(s) of the same type and character and of equal value. After completing the repair, reconstruction or replacement, the balance of any insurance proceeds or other proceeds available by reason thereof belong absolutely to the City.
- 10.3 The City, instead of repair or replacement may at its option terminate this agreement on giving to the Tenant within sixty (60) days of the happening of the damage or destruction notice in writing of its intention. Upon notification thereupon any payments for which the Tenant is liable under the agreement shall be apportioned and paid to the date of such happening of the damage or destruction and the Tenant shall immediately deliver up possession of the Lands to the City.

Damage to Lands

- 10.4 The City shall not be liable nor responsible in any way for any loss of or damage or injury to any property belonging to the Tenant, to employees of the Tenant, to customers of the Tenant, to any other person while in the Chalet or on the Lands unless such loss, damage or injury shall be caused by the negligence of the City or its employees, servants or agents and the City shall not be liable in any event for any damage to any such property caused by steam, water, rain or snow which may leak into, issue or flow from any part of the Chalet or from the water, steam or drainage of the Chalet or from any other place or quarter not for any damage caused by or attributable to the condition or arrangement of any electric or other wiring not for any damage caused by anything done or omitted by any other Tenant.

Impossibility of Performance

- 10.5 It is understood and agreed that whenever and to the extent that the City shall be unable to fulfill, or shall be delayed or restricted in fulfilling any obligation hereunder for the supply or provision of any service or utility or the doing of any service or utility or the doing of any work or the making of

any repairs because it is unable to obtain the material, good, equipment, service, utility or labour required to enable it to fulfill such obligations or by reason of any statute, law or order-in council or any regulation or order passed or made pursuant thereto or by reason of the order or direction of any administrator, controller or board, or any government department or officer or other authority, or by reason of not being able to obtain any permission or authority required thereby, or by reason of any other cause beyond its control whether of the foregoing character or not, the City shall be relieved from the fulfillment of such obligation and the Tenant shall not be entitled to compensation for any inconvenience, nuisance or discomfort thereby occasioned.

Default of City

- 10.6 If the rent reserved or any part thereof shall not be paid on the day appointed for payment, whether lawfully demanded or not, or in case of breach or non-observance or non-performance of any of the covenants or agreements or rules or regulations herein contained or referred to on the part of the City to be observed and performed, or in case the Lands shall be vacated or remain unoccupied or in case the term shall be taken in execution or attachment for any cause whatsoever, (and in every such case) the Tenant shall be entitled thereafter to enter (into and) upon the Lands (or any part thereof in the name of the whole) and the same to (have again), repossess and enjoy as of its former estate, anything herein contained to the contrary notwithstanding.

Bankruptcy of City

- 10.7 In case without the written consent of the Tenant the premises shall remain vacant or not used for the period of fifteen days or be used by any other person than the City or for any other purpose than that for which they were let or in case the term or any of the goods and chattels of the City shall at any time be seized in execution or attachment by any creditor of the City or if the City shall make any assignment for the benefit of creditors or any bulk sale of any act (now or hereafter in force) for bankrupt or insolvent debtors (or if the City is a company any order shall be made for the winding up of the City), then in any such case this lease shall at the option of the Tenant cease and terminate and the term shall immediately become forfeited and void and the Tenant may re- enter and take possession of the premises as though the City or other occupant (or occupants) of the premises was (or were) holding over after the expiration of the term without any right whatever.

Distress

- 10.8 The City waives and renounces the benefit of any present or future statute taking away or limiting the Tenant's right of distress, and covenants and agrees that notwithstanding any such statute none of the goods and chattels of the City on the Lands at any time during the term shall be exempt from levy by distress for rent in arrears.

Right of re-entry

- 10.9 On the Tenant becoming entitled to re-enter the premises under any of the provisions of this lease, the Tenant in addition to all other rights may do so as the agent of the City, using force if necessary, without being liable for any prosecution therefore, and may re-let the premises as agent of the City, and receive the rent therefore, and as agent of the City may take possession of any furniture or other property on the premises and sell the same at a public or private sale without notice and apply the proceeds of such sale and any rent derived from re-letting the premises upon account of rent under this lease, and the City shall be liable to the Tenant for any deficiency.

Right of termination by the City

- 10.10 The City, in addition to all other rights, shall have the right to terminate this lease by providing one-hundred and twenty (120) days notice in writing of its intention, and thereupon rent and any other payments for which the Tenant is liable under this lease shall be computed, apportioned and paid in full to the date of such termination, and the Tenant shall immediately deliver up possession of the Premises to the City, and the City may re-enter and take possession of the premises.

Right of termination by the Tenant

- 10.11 The Tenant, in addition to all other rights, shall have the right to terminate this lease by providing one-hundred and twenty (120) days notice in writing of its intention, and thereupon rent and any other payments for which the City is liable under this lease shall be computed, apportioned and paid in full to the date of such termination, and the Tenant shall immediately deliver up possession of the Premises to the City, and the City may re-enter and take possession of the premises.

Notice

- 10.12 All communications in writing between the parties shall be deemed to have been received by the addressee if delivered to the individual or to a member of the firm or to an officer of the Owner for whom they are intended or if sent by hand, Canada Post, courier, facsimile or by another electronic

communication where, during or after the transmission of the communication, no indication or notice of a failure or suspension of transmission has been communicated to the sender. For deliveries by courier or by hand, delivery shall be deemed to have been received on the date of delivery; by Canada Post, 5 days after the date on which it was mailed. A communication sent by facsimile or by electronic communication with no indication of failure or suspension of delivery, shall be deemed to have been received at the opening of business on the next day, unless the next day is not a working day for the recipient, in which case it shall be deemed to have been received on the next working day of the recipient at the opening of business.

The Tenant:

Sylvain Gelineau
32 Niven St South
PO Box 328
North Cobalt, Ontario
Attn.: Sylvain Gelineau

The Owner:

City of Temiskaming Shores
325 Farr Drive
PO Box 2050
Haileybury, Ontario
P0J 1K0
Attn.: Matt Bahm

11. EFFECT OF LEASE

- 11.1 This lease and everything herein contained, shall extend to and bind and may be taken advantage of by the heirs, executors, administrators, successors and assigns, as the case may be, of each (and every) of the parties hereto, and where there is more than one City or there is a female party or a corporation, the provisions hereof shall be read with all grammatical changes thereby rendered necessary and all covenants shall be deemed joint and several.

12. HEADINGS

- 12.1 The headings in this lease have been inserted as a matter of convenience and for reference only and in no way define, limit or enlarge the scope or meaning of this lease or any provisions hereof.

Remainder of this page left intentionally blank

Signed and Sealed in
the presence of

Owner – Sylvain Gelineau

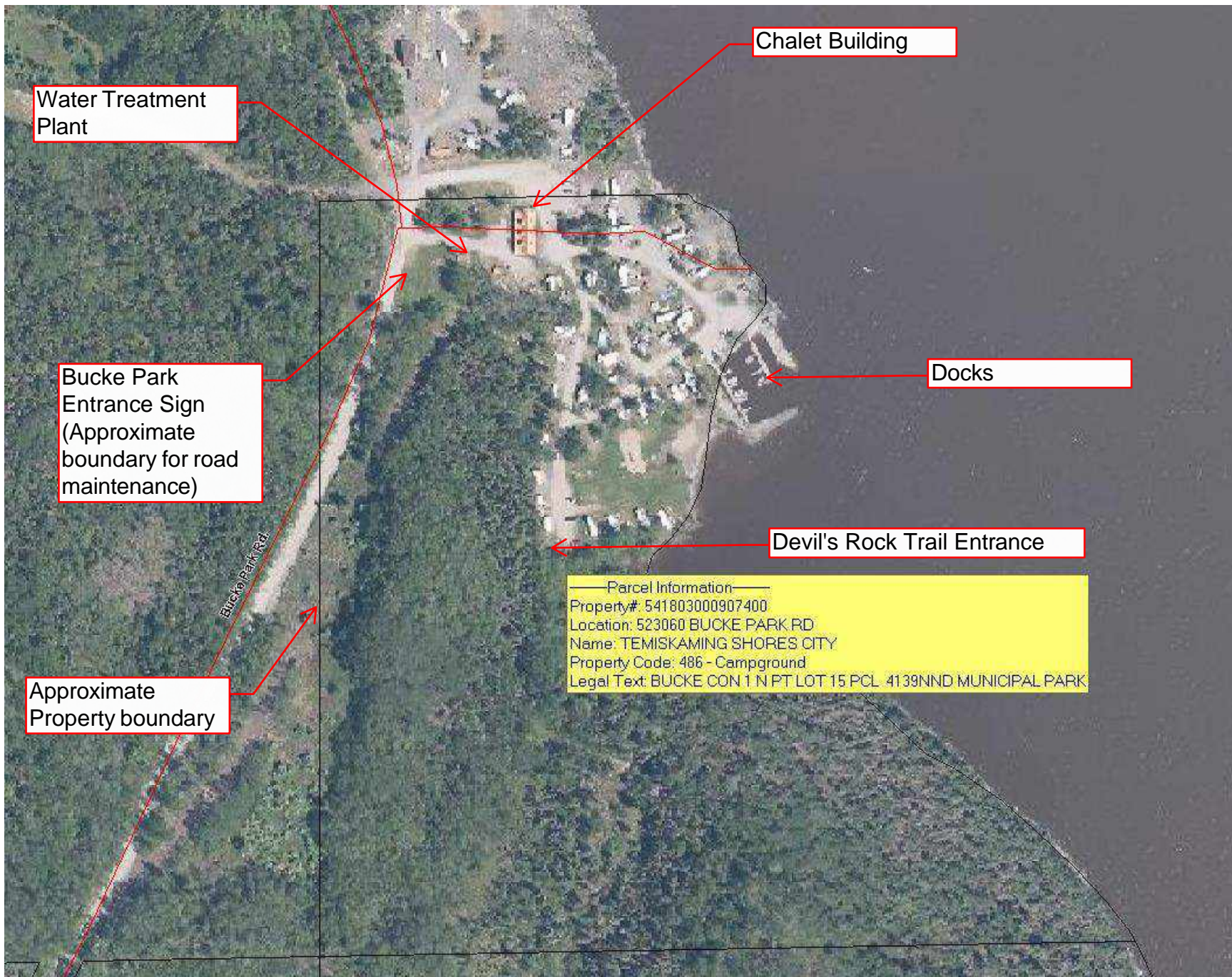
Owner – Penny Gelineau

**The Corporation of the City of Temiskaming
Shores**

Mayor – Jeff Laferriere

Clerk – Logan Belanger

Schedule “A”:
Buck Park Lands



Water Treatment Plant

Chalet Building

Bucke Park Entrance Sign
(Approximate boundary for road maintenance)

Docks

Devil's Rock Trail Entrance

Approximate Property boundary

Parcel Information
Property#: 541803000907400
Location: 523060 BUCKE PARK RD
Name: TEMISKAMING SHORES CITY
Property Code: 486 - Campground
Legal Text: BUCKE CON 1 N PT LOT 15 PCL 4139NND MUNICIPAL PARK



Chalet Building

Water Treatment
Plant

Gazebo

Playground

Entrance to Devil's
Rock Trail System

Docks

Beach

Schedule “B”
Timiskaming Health Unit Directive



Services de santé du

TIMISKAMING
Health Unit

Enhancing your health in so many ways.

Head Office:

247 Whitewood Avenue, Unit 43
PO Box 1090
New Liskeard, ON P0J 1P0
Tel.: 705-647-4305 Fax: 705-647-5779

Branch Offices:

Dymond Tel.: 705-647-8305 Fax: 705-647-8315
Englehart Tel.: 705-544-2221 Fax: 705-544-8698
Kirkland Lake Tel.: 705-567-9355 Fax: 705-567-5476

www.timiskaminghu.com

August 26, 2019

City of Temiskaming Shores

Attention: Steve Burnett, Manager of Environmental Services

Re: Small Drinking Water System #86309NEKD located at the Bucke Park, Bucke Township, City of Temiskaming Shores, ON

This letter is to inform you that the site specific risk assessment of the Small Drinking Water System (SDWS) located at Bucke Park was completed on August 20, 2019. Based on that risk assessment, it was determined that the requirements and actions specified in the enclosed Directive are necessary to ensure a safe water supply to the users. The Directive has been served on the City of Temiskaming Shores, the current owner of this system and remains in effect for any future owner(s) or operator(s) of this system.

Please familiarize yourself with the following sections of Ontario Regulation 319/08:

- Section 5(6) detailing requirements for notification and sampling after a shut-down period of 60 days or more;
- Section 17 detailing sampling location;
- Sections 9, 10, 11, 14(9) and 24 detailing record keeping; and,

The owner and operator of a small drinking water system shall ensure that, for every sample required by this Regulation, a record is made of the date and time the sample was taken, the location where the sample was taken, the name of the person who took the sample and the result of the drinking water test conducted on the sample. O. Reg. 319/08, s. 24 (1).

Records relating to maintenance on the water treatment equipment could include filter backwash/changes, UV bulb changes, and season start up/shut down dates. Records relating to adverse events must also be kept for at least five years.

While certain sections have been highlighted in this letter, please read the regulation carefully to ensure compliance with all sections that apply to this system. A copy of Ontario Regulation 319/08 (Small Drinking Water Systems) is enclosed.

If you have any questions or concerns, please do not hesitate to contact our office.

Regards,

Maria McLean, CPHI(C)
Public Health Inspector



Services de santé du

TIMISKAMING
Health Unit

Enhancing your health in so many ways.

Bucke Park Campground
523060 Bucke Park Rd.
North Cobalt, ON
P0J 1K0
SDWS# 86309NEKD

Head Office:

247 Whitewood Avenue, Unit 43
PO Box 1090
New Liskeard, ON P0J 1P0
Tel.: 705-647-4305 Fax: 705-647-5779

Branch Offices:

Dymond Tel.: 705-647-8305 Fax: 705-647-8315
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Kirkland Lake Tel.: 705-567-9355 Fax: 705-567-5476

www.timiskaminghu.com

Directive Document under Ontario Regulation 319/08

Made pursuant to section 7 of O. Reg 319/08 (Small Drinking Water Systems) made under the *Health Protection and Promotion Act*, R.S.O. 1990 c. H.7

I, Maria McLean, a Public Health Inspector of the Timiskaming Health Unit direct the owner(s) and the operator(s) to follow the requirements and take the actions that are specified in this Directive. The owner(s) and the operator(s) shall ensure that the small drinking water system is operated in accordance with the requirements of O. Reg. 319/08.

On August 20th 2019, Maria McLean conducted a risk assessment on the small drinking water system located at Bucke Park Campground, 523060 Bucke Park Road, North Cobalt, Ontario.

Based on that risk assessment, Maria McLean determined the requirements and actions specified in this Directive are necessary to ensure a safe water supply to the users.

This directive contains legal requirements in addition to O. Reg. 319/08. To ensure that the Small Drinking Water System is in compliance, please familiarize yourself with Ontario Regulation 319/08.

NOTICE

TAKE NOTICE THAT the owner(s) and the operator(s) have a right to request a review of this Directive or amendment by Dr. Glen Corneil, Acting Medical Officer of Health of the Timiskaming Health Unit, pursuant to section 37 of O. Reg. 319/08 (Small Drinking Water Systems) made under the *Health Protection and Promotion Act*. The request must be made in writing and filed, by way of personal service, service by pre-paid registered mail, or service by fax, on the Medical Officer of Health noted below within seven (7) days after this Directive is served on you.

Furthermore, the request shall include the portions of the Directive or amendment to the Directive in respect of which the review is requested; any submission that the applicant for the review wishes the Medical Officer of Health to consider; and an address for purposes of receiving the Medical Officer of Health's decision on the requested review.

Bucke Park Campground, North Cobalt, Ontario
SDWS# 86309NEKD

Part I Risk Category

Based on the risk assessment conducted on August 20th 2019, the Small Drinking Water System (SDWS) known as Bucke Park Campground was assigned a MODERATE risk category.

Description of the SDWS:

The SDWS consists of one drilled well (without pit), installed September 29th, 2015 by Puits du Temiscamingue (Well Tag No. A168507). Treatment begins with two cartridge filters, one at 5 microns and one at 1 micron. Water then enters an arsenic removal system (ion exchange) consisting of 3 sets of parallel filters, with 2 filters in each series. Water then enters Trojan UVMax Pro20 equipped with both audible alarm and automatic shut off.

Secondary disinfection consists of a storage/ chlorine mixing tank. Water is subsequently distributed via 3 distribution lines. The first services the chalet, the second services the east campground, and the last services the south campground. Water is further distributed via 10 stand pipes, consisting of 6 connections on each. Each stand pipe has a backflow prevention device. Trailers are required to supply their own water hose to connect to the closest standpipe.

Part II Treatment System

2.0 The owner(s) and the operator(s) shall ensure that:

- a) The water treatment equipment is operated in accordance with the manufacturer's instructions and in a manner that achieves the design capabilities.
- b) y written manufacturer operating manuals or instructions that relate to any water treatment equipment must be kept nearby and maintained for 5 years or as long as the water treatment remains in operation, which ever period is longer.

2.1 The owner(s) and the operator(s) shall:

- a) Provide filtration or other treatment as necessary to allow for proper functioning of the disinfecting equipment.
- b) Provide filtration or other treatment necessary to provide water that, when sampled and tested, have less than **0.01 milligrams per liter Arsenic**.
- c) Provide disinfecting equipment that is capable of achieving primary disinfection that is necessary for the removal or inactivation of all bacteria, viruses, and protozoa in the water.
- d) Provide secondary disinfection of the distribution system.

2.2 The owner(s) and the operator(s) shall ensure that the following disinfection treatment requirements are met at all locations within the distribution system unless point of entry device(s) is/are provided:

- Free available chlorine (FAC) residual is never less than 0.05 milligrams per liter.

Bucke Park Campground, North Cobalt, Ontario
SDWS# 86309NEKD

Part III **Sampling and Testing**

3.0 The owner(s) and the operator(s) shall ensure that the following samples are taken and that the following tests are conducted at the frequency that is indicated to ensure that the drinking water sample meets the Ontario Drinking Water Quality Standards:

- a) The sampling frequency for primary parameters (*E. coli* and total coliforms) is **one sample every two months** when water is supplied to the users and at the following locations:
 - Rotational basis to ensure that different branches of the distribution system are sampled throughout the operating season.
- b) That the free available chlorine (FAC) residual is measured and recorded every time a water sample is taken for primary parameters (*E. coli* and total coliforms) testing.
- c) The frequency of sampling for Arsenic in the treated water is a minimum of one sample every two months when water is supplied to users;
- d) Prior to supplying water to users of the system after a period of more than 60 days duration during which the system has not been supplying water to users, the owner and operator shall ensure that a water sample is taken and tested for *E. coli* and total coliforms.

Part IV **Operational Checks**

4.0 The owner(s) and the operator(s) shall ensure that:

- a) The operational checks and maintenance of treatment devices are performed in accordance with written manufacturer's operating manual(s) and instruction(s).
- b) Free available chlorine (FAC) is tested and recorded at a minimum frequency of once every 24 hours. Rotate sampling to ensure that different branches of the distribution system are sampled throughout the operating season.
- c) If test results do not indicate the absence of *E. coli* and total coliforms the owner and/or operator shall immediately fulfill the notification, reporting and corrective action requirements under this Regulation;
- d) If test results indicate Arsenic levels exceed the standard prescribed in the Ontario Drinking Water Quality Standards, the owner and/or operator shall immediately fulfill the notification, reporting and corrective action requirements under this Regulation.

Bucke Park Campground, North Cobalt, Ontario
SDWS# 86309NEKD

Part V
Posting of Warning Signage

Not applicable

Part VI
Records

The owner(s) and the operator(s) of a small drinking water system shall ensure that, for every sample required by O. Reg. 319/08, a record is made of the date and time the sample was taken, the location where the sample was taken, the name of the person who took the sample and the result of the drinking water test conducted on the sample.

Part VII
Operator Knowledge and Training

The owner(s) and operator(s) shall be familiar with:

- a) The content of the documents provided by the Health Department.
- b) General protection requirements (water source, source water protection issues, potential system failure, impacts of system failure, notification of users).
- c) Proper sampling techniques and lab submission processes.
- d) Ability to operate and understand why and how the treatment equipment works and what to do if treatment fails.
- e) Ability to maintain the operation of the equipment to manufacturer's instructions.
- f) Distributions systems (how to sample, maintenance, and manage what to do if a distribution system breaks).

The operator(s) requires the following training: Operation of Small Drinking Water Systems course. Can be taken online or in class. <https://wcwc.ca/training/courses/>

Included:

Copy of

1. Ontario Regulation 319/08

Bucke Park Campground, North Cobalt, Ontario
SDWS# 86309NEKD

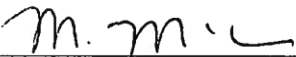
The address of Dr. Corneil is as follows:

Timiskaming Health Unit
Attn: Dr. Glen Corneil
Acting Medical Officer of Health
247 Whitewood Ave, Unit 43
New Liskeard, Ontario P0J 1P0
Fax # 705-647-5779

AND TAKE FURTHER NOTICE THAT this Directive takes effect on the date that it is served on the owner(s) even though a review may be requested.

FAILURE to comply with this Directive is an offence under the *Health Protection and Promotion Act* for which an individual may be liable upon conviction to a fine of not more than \$5,000.00 and a municipality or other corporation may be liable upon conviction to a fine of not more than \$25,000.00 for every day or part of each day on which the offence occurs or continues. Where a corporation, other than a board of health or a municipality, is convicted of an offence under this Act, each director of the corporation and each officer, employee or agent of the corporation who was in whole or in part responsible for the conduct of that part of the business of the corporation that gave rise to the offence, is guilty of an offence unless he or she satisfies the court that he or she took all reasonable care to prevent the commission of the offence.

Dated at the Timiskaming Health Unit, this 26th day of August 2019.



Maria McLean, C.P.H.I. (C)
Public Health Inspector
Timiskaming Health Unit

Served Upon: Steve Burnett, Owner

Hand delivered by: _____

Date/Time: _____

-or-

Registered courier: _____

Date: _____

Received by:  _____

Date/Time: Aug 27/19 / 1:12 pm

The Corporation of The City of Temiskaming Shores

By-Law No. 2023-140

Being a By-Law to Adopt a Memorial Bench and Tree Policy for the City of Temiskaming Shores (Repeals 2020-114)

Whereas under Section 8 of the Municipal Act, 2001, S.O. 2001, c.25, as amended, the powers of a municipality shall be interpreted broadly to enable it to govern its affairs as it considers appropriate and to enhance the municipality's ability to respond to municipal issues; and

Whereas under Section 9 of the Municipal Act, 2001, S.O. 2001, c.25, as amended, a municipality has the capacity, rights, powers and privileges of a natural person for the purpose of exercising its authority under this or any other Act; and

Whereas under Section 10 (1) of the Municipal Act, 2001, S.O. 2001, c.25, as amended, a municipality may provide any service or thing that the municipality considers necessary or desirable for the public; and

Whereas Council considered Administrative Report No. RS-030-2023 at the December 19, 2023 Regular Council meeting, and directed staff to prepare the necessary by-law to adopt a Memorial Bench and Tree Policy for the City of Temiskaming Shores, and to repeal By-law No. 2020-114 as amended, for consideration at the December 19, 2023 Regular Council meeting.

Now therefore the Council of The Corporation of the City of Temiskaming Shores hereby enacts the following as a by-law:

1. That Council adopts a Memorial Bench and Tree Policy for the City of Temiskaming Shores, identified as Schedule "A", attached hereto and forming part of this by-law.
2. That By-law Number 2020-114 and all amendments thereto are repealed in their entirety upon the coming into effect of this By-law.
3. That the Clerk of the City of Temiskaming Shores is hereby authorized to make minor modifications or corrections of a grammatical or typographical nature to the By-law and schedule, after the passage of this By-law, where such modifications or corrections do not alter the intent of the by-law or its associated schedule.

Read a first, second and third time and finally passed this 19th day of December, 2023.

Mayor

Clerk



Schedule “A” to

By-law No. 2023-140

**Being a By-Law to Adopt a Memorial Bench and Tree Policy
for the City of Temiskaming Shores**

1. Purpose

The intent of this policy is to provide the public with an opportunity to commemorate or honour family, friends or events within the City of Temiskaming Shores. Such installations are provided at the cost of the individual. Responsibility for maintenance of the items, within specific parameters, is provided by the City as identified in this policy.

2. Policy Objectives

This policy will establish standards and requirements for the donation of memorial items to the City of Temiskaming Shores. Temiskaming Shores Staff will coordinate and maintain the program to ensure that standards and requirements are met (i.e., Recreation Department for parks and greenspaces, and the Clerks Department for cemeteries).

3. Program Overview

The program will allow members of the public to provide a monetary donation to the City for the installation of a bench or tree placed on public municipal property. In exchange, the Donor will be able to leave a plaque on the item with a personalized message.

4. Tree, Bench and Plaque Standards

4.1 Bench Standards

Benches will be 6 feet in width and must fit esthetically within the desired location. When no preference for material type is provided by the Donor, the City will purchase a composite material bench to match existing amenities. Benches will be placed on a concrete pad with sufficient size to ensure the entire bench is properly supported and erosion from public use is minimized. Benches will be secured to the concrete pad with fasteners to ensure they cannot be moved without using tools.

Benches are to remain free of décor or additional commemoration beyond a plaque of no more than 4 inches tall by 12 inches wide, placed on the back rest. Nothing herein shall prevent the immediate removal of any item

deemed by staff to constitute an immediate safety concern, or not in compliance with this Policy.

4.2 Tree Species, Height, Planting

All trees must be a minimum of 5 feet in height when planted as part of this program. The City will have final say on the species and cultivar of tree selected by the Donor, with preference for species which are rated for hardiness zone 3a, and that are not surface rooting for those planted in City cemeteries.

All tree planting will be completed by an outside contractor to ensure the correct planting technique is used, and to provide the tree the best opportunity to thrive. Trees will be replaced within the first two (2) years if the tree is not established.

Trees are to remain free of décor or additional commemoration beyond a plaque of no more than 6 inches tall by 6 inches wide, placed on a stand-alone display to the City's specifications. Nothing herein shall prevent the immediate removal of any item deemed by staff to constitute an immediate safety concern, or not in compliance with this Policy.

Any trees that become by means of their roots or branches or in any other way, detrimental to cemetery lots, drains, roads or walks, or prejudicial to the general appearance of the grounds or inconvenient to the public, the City may remove such trees, or parts thereof. The City will attempt to contact the original Donor, using the contact information on the application form.

4.3 Plaques

All plaque messages will contain no obscenities or other messages determined to be offensive. The City will have final approval of all plaque messages. Plaques are the responsibility of the purchaser to replace in the event they are damaged, lost, stolen etc. If the City determines that a plaque is in need of replacement, it will attempt to contact the original Donor to arrange for a replacement.

5. Location Selection and Approval

5.1 General Location Availability

Only City-owned parks, greenspaces and cemeteries within the boundaries of the City of Temiskaming Shores will be available for the placement of memorial trees and benches. Not all locations may be suitable for donated benches and trees. Staff will work with the Donor to determine the best location for the tree or bench, dependent on the type selected. Locations not available include private property, sidewalks, vacant land, inside buildings, in waterways and any other area that the City deems as inappropriate. The City reserves the right to restrict certain locations from availability within the program for any amount of time.

5.2 Location Selection Process

Every effort will be made to accommodate the Donor's choice of location. A Donor intending on installing a bench or a tree in a City-owned cemetery, may select a location along the roadway, or another location within the cemetery if approved by City staff. Trees and Benches under this program, are not permitted to be installed on a cemetery plot, or in a location that impedes access to a cemetery plot. The Donor will provide a requested site for the item, and it will then be reviewed by City staff to determine suitability. If the site is found to be unacceptable, the process will be repeated.

The Donor will initial the agreed upon site in their application.

5.3 City Veto / Moving

The City will have complete and final say on all location selections for memorial trees and benches. The City reserves the right to re-locate any memorial item if deemed necessary for any purpose. In all cases where a memorial item is to be moved, the City will attempt to contact the original Donor of the item to agree upon a new location for the item. If the original Donor cannot be contacted or a new location cannot be agreed upon, the City will decide on a new location.

6. Appeals

In the event that any decision or process regarding the memorial tree or bench program is in dispute between a Donor and the City. The Donor will bring their concern, in writing, to the City Manager for resolution.

7. Intake Period

There will be one intake period per calendar year for applications to the program. The application period will be from January 1st until April 15th of each year with all installations to take place by September 30th of the same year. Any applications received after April 15th will be included in the application intake period of the following year.

8. Costs

8.1 Benches

The cost for a memorial bench will be set at \$2,000 which includes the bench, plaque, engraving, shipping, installation and any applicable taxes. The full cost must be paid by the Donor before the item is ordered.

8.2 Trees

The cost for a memorial tree will be set at \$500 which includes the tree, plaque, engraving, shipping, installation and any applicable taxes. The full cost must be paid by the Donor before the item is ordered.

9. City Responsibilities

The City reserves the right to determine the level of general care for all memorial items depending on budget and staff availability. General care is defined as the mowing, raking, pruning and general cleaning of the grounds around benches and trees and the items themselves, as determined by the City.

The City distinctly disclaims all responsibility for loss or damage from causes beyond reasonable control and especially from damage caused by the elements, and Acts of God, thieves, vandals, riots, or order of any military or civil authority, whether the damage is direct or collateral, other than as herein provided. If a bench is damaged or destroyed, the donator has the option to repair and/or

purchase a new bench. The City reserves the right to remove the bench/tree once the bench has reached the end of its life; i.e., its condition is deemed unsafe and/or unsightly or for operational needs as may be required.

Appendix 1 - Memorial Bench & Tree Program Application Form

Memorial Bench & Tree Program Application Form			
Donor Name:			
Donor Address:			
Donor E-mail:			
Donor Phone Number:			
Memorial Item Purchased:	<input type="checkbox"/> Bench <input type="checkbox"/> Tree, Preferred Species: _____		
Preferred Location (Park / Greenspace / Cemetery):		Initial	
		Donor	City
Plaque Wording: Recommend no more than 160 characters. You must include spaces and punctuations as part of the allowed characters. Wording will be centre on the plaque and the layout will be at the City's discretion. Tree Plaques are up to 6" x 6" in size, and Bench Plaques are up to 4" x 12" in size. Sample Wording: "In Loving Memory of", or "In Tribute To", or "To Commemorate."			

By signing this application, the Donor agrees to all conditions within By-law 2023-140, as amended, including the following conditions:

1. The City distinctly disclaims all responsibility for loss or damage from causes beyond reasonable control and especially from damage caused by the elements, and Acts of God, thieves, vandals, riots, or order of any military or civil authority, whether the damage is direct or collateral, other than as herein provided. If a bench is damaged or destroyed, the donator has the option to repair and/or

purchase a new bench. The City reserves the right to remove the bench/tree once the bench has reached the end of its life; i.e., its condition is deemed unsafe and/or unsightly or for operational needs as may be required.

2. The City reserves the right to re-locate the memorial item if deemed necessary.
3. The City reserves the right to determine the level of general care for all memorial items depending on budget and staff availability. General care is defined as the mowing, raking, pruning and general cleaning of the grounds around benches and trees and the items themselves, as determined by the City.
4. Messages on benches and plaques will contain no obscenities and must meet the approval of City Staff. Memorial items are to remain free of décor and/or any additional materials, plaques etc. Nothing herein shall prevent the immediate removal of any item deemed by staff to constitute an immediate safety concern, or not in compliance with this Policy.

Acknowledged and signed by the Donor and The City of Temiskaming Shores this _____ day of _____, 20____.

Donor Signature

City of Temiskaming Shores
Signing Authority

Name (Printed)

Name (Printed)

Notice with respect to collection of personal information: Personal information collected on this application form is collected under the authority of the Municipal Act, 2001 and will be used for processing the application and for administrative purposes. Questions about the collection and use of this information in accordance with the Municipal Freedom of Information and Protection of Privacy Act may be made to the Municipal Clerk, P.O. Box 2050, 325 Farr Drive, Haileybury, ON P0J 1K0; by phone: (705) 672-3363 ext. 4136; or by email: clerk@temiskamingshores.ca

The Corporation of the City of Temiskaming Shores

By-law No. 2023-141

**Being a by-law to enter into a funding agreement with the AC15
Hockey Tournament for a donation towards the refurbishment of the
Shaver Park outdoor rink**

Whereas under Section 8 of the Municipal Act, 2001, S.O. 2001, c.25, as amended, the powers of a municipality shall be interpreted broadly to enable it to govern its affairs as it considers appropriate and to enhance the municipality's ability to respond to municipal issues; and

Whereas under Section 9 of the Municipal Act, 2001, S.O. 2001, c.25, as amended, a municipality has the capacity, rights, powers and privileges of a natural person for the purpose of exercising its authority under this or any other Act; and

Whereas under Section 10 (1) of the Municipal Act, 2001, S.O. 2001, c.25, as amended, a -tier municipality may provide any service or thing that the municipality considers necessary or desirable for the public; and

Whereas Council considered Administrative Report No. RS-31-2023 at the December 19, 2023 Regular Council meeting, and directed staff to prepare the necessary by-law to enter into a funding agreement with the AC15 Hockey Tournament for a donation towards the refurbishment of the Shaver Park outdoor rink in the amount of \$50,000, for consideration at the December 19, 2023, Regular Council meeting.

Now therefore the Council of The Corporation of the City of Temiskaming Shores hereby enacts the following as a by-law:

1. That the Mayor and Clerk be authorized to enter into funding agreement with the AC15 Hockey Tournament, for a donation towards the refurbishment of the Shaver Park outdoor rink in the amount of \$50,000, a copy attached hereto as Schedule "A" and forming part of this by-law.
2. That the Clerk of the City of Temiskaming Shores is hereby authorized to make minor modifications or corrections of a grammatical or typographical nature to the by-law and schedule, after the passage of this by-law, where such modifications or corrections do not alter the intent of the by-law.

Read a first, second and third time and finally passed this 19th day of December, 2023.

Mayor

Clerk



Schedule A to

By-law 2023-141

Funding Agreement between

The Corporation of the City of Temiskaming Shores

And

AC15 Hockey Tournament

For a financial contribution towards upgrades at Shaver Park.

This agreement made this 19th day of December 2023.

Between:

The Corporation of the City of Temiskaming Shores
(hereinafter called “the City”)

and

AC15
(hereinafter called “the Donor”)

The Donor and City agree as follows:

1. That the Donor will contribute **\$50,000.00 CAD** towards the installation of a paved surface for the outdoor rink, the repair of the end goal fences and the installation of a painted bicycle obstacle course on the paved surface at Shaver Park in North Cobalt.
2. That the Donor will provide those funds to the City by May 1, 2024.
3. If the Donor does not fundraise the entire donation by the date listed in paragraph 2, the donor shall have the option to provide a partial payment of not less than \$30,000 by May 1, 2024, with the remainder of the donation to be provided by May 1, 2025.
4. That the City will complete the necessary procurement, installation and repair of the identified project by October 31, 2024, and be responsible for all on-going maintenance costs.
5. That the City shall have the final say on technical aspects of the repairs and installations including but not limited to type, layout, features, colour, etc.
6. That the City shall be responsible for any costs for this project beyond the \$50,000 being provided by the Donor.
7. The City shall place signage at Shaver Park, at its own cost, recognizing the donation by the Donor. The signage shall be mutually agreed upon by the City and Donor.

Remainder of page left blank intentionally

Signed and Sealed in)
the presence of)

Chairperson

Name (printed): _____

**The Corporation of the City of Temiskaming
Shores**

Mayor – Jeff Laferriere

Clerk – Logan Belanger

The Corporation of the City of Temiskaming Shores

By-law No. 2023-142

Being a by-law to enter into an agreement with 2782917 Ontario Inc. o/a Tem-Pro Construction for the renovation of the Haileybury Service Marina to an Animal Pound

Whereas under Section 8 of the Municipal Act, 2001, S.O. 2001, c. 25, as amended, the powers of a municipality shall be interpreted broadly to enable it to govern its affairs as it considers appropriate and to enhance the municipality's ability to responds to municipal issues; and

Whereas under Section 9 of the Municipal Act, 2001, S.O. 2001, c.25, as amended, a municipality has the capacity, rights, powers and privileges of a natural person for the purpose of exercising its authority under this or any other Act; and

Whereas under Section 10 (1) of the Municipal Act, 2001, S.O. 2001, c.25, as amended, a single-tier municipality may provide any service or thing that the municipality considers necessary or desirable for the public; and

Whereas Council considered Administrative Report No. RS-032-2023 at the December 19, 2023 Regular Council meeting, and directed staff to prepare the necessary by-law to enter into an agreement with 2782917 Ontario Inc. o/a Tem-Pro Construction for the renovation of the Haileybury Service Marina to an Animal Pound, with an upset limit of \$74,000, plus applicable taxes, for consideration at the December 19, 2023, Regular Council meeting.

Now therefore the Council of The Corporation of the City of Temiskaming Shores hereby enacts the following as a by-law:

1. That Council authorizes the entering into an agreement with 2782917 Ontario Inc. o/a Tem-Pro Construction for the renovation of the Haileybury Service Marina to an Animal Pound, with an upset limit of \$74,000, plus applicable taxes, a copy of which is attached hereto as Schedule "A" and forming part of this by-law.
2. That the Clerk of the City of Temiskaming Shores is hereby authorized to make minor modifications or corrections of a grammatical or typographical nature to the by-law and schedule, after the passage of this by-law, where such modifications or corrections do not alter the intent of the by-law or its associated schedule.

Read a first, second and third time and finally passed this 19th day of December, 2023.

Mayor

Clerk



Schedule "A" to

By-law 2023-142

Agreement between

The Corporation of the City of Temiskaming Shores

and

2782917 Ontario Inc. o/a Tem-Pro Construction

for the renovation of the Haileybury Service Marina to an Animal Pound

This agreement made this 19th day of December, 2023

Between:

The Corporation of the City of Temiskaming Shores
(hereinafter called "the Owner")

And

2782917 Ontario Inc. o/a Tem-Pro Construction
(hereinafter called "the Contractor")

Witnesseth:

That the Owner and the Contractor shall undertake and agree as follows:

Article I:

The Contractor will:

- a) Provide all material and perform all work described in the Contract Documents entitled:

**The Corporation of the City of Temiskaming Shores
Animal Pound Renovations
Request for Quotation No. RS-RFQ-007-2023**

- b) Do and fulfill everything indicated by this Agreement and in the Form of Agreement attached hereto Appendix 01;
- c) Complete, as certified by the Director of Recreation Services, all the work by **March 29, 2024**; and
- d) The time limits referred to in this Agreement may be abridged or extended by mutual agreement by both Parties.

Article II:

The Owner will:

- a) Pay the Contractor in lawful money of Canada for the material and services aforesaid to an upset limit of **seventy-four thousand dollars and zero cents (\$74,000.00) plus applicable taxes**, subject to additions and deductions as provided in the Contract Documents, if applicable.
- b) Make payment on account thereof upon delivery and completion of the said work and receipt of invoice, in accordance with the City of Temiskaming Shores Purchasing Policy, and with terms of Net 30 days after receiving such invoice.

Article III:

All communications in writing between the parties shall be deemed to have been received by the addressee if delivered to the individual or to a member of the firm or to an officer of the Owner for whom they are intended or if sent by hand, Canada Post, courier, facsimile or by another electronic communication where, during or after the transmission of the communication, no indication or notice of a failure or suspension of transmission has been communicated to the sender. For deliveries by courier or by hand, delivery shall be deemed to have been received on the date of delivery; by Canada Post, 5 days after the date on which it was mailed. A communication sent by facsimile or by electronic communication with no indication of failure or suspension of delivery, shall be deemed to have been received at the opening of business on the next day, unless the next day is not a working day for the recipient, in which case it shall be deemed to have been received on the next working day of the recipient at the opening of business.

The Contractor:
2782917 Ontario Inc. o/a Tem-Pro Construction
469 Morissette Drive
Haileybury, Ontario P0J 1K0

The Owner:
City of Temiskaming Shores
325 Farr Drive / P.O. Box 2050
Haileybury, Ontario P0J 1K0

The Director of Recreation Services:
Director of Recreation Services
City of Temiskaming Shores
325 Farr Drive / P.O. Box 2050
Haileybury, Ontario P0J 1K0

Remainder of Page left Blank Intentionally

In witness whereof the parties have executed this Agreement the day and year first above written.

Signed and Sealed in
the presence of

)
)

**2782917 Ontario Inc. o/a Tem-Pro
Construction**

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Darcey Mercier, Owner

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Municipal Seal

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**The Corporation of the City of Temiskaming
Shores**

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Mayor – Jeff Laferriere

Clerk – Logan Belanger



Appendix 01 to
Schedule "A" to

By-law No. 2023-142

Form of Agreement

**City of Temiskaming Shores
RS-RFQ-007-2023
Animal Pound Renovations**

Form of Quotation

Each Quotation should contain the legal name under which the Proponent carries on business, telephone number and email, as well the name or names of appropriate contact personnel which the City may consult regarding the Quotation. We, the undersigned, understand and accept those specifications, conditions, and details as described herein, and, for these rates/prices offer to furnish all equipment, labor, apparatus and documentation as are required to satisfy this Quotation (all prices must be CDN funds and without HST):

NOTE: All portions of "Form of Quotation" must be accurately and completely filled out.

Lump sum price per scope of work (exclusive of HST)	\$ 74,000 .00
Estimated Mobilization Date:	Jan 8 2024
Estimated Completion Date:	March 29 2024

Acknowledgement of Addenda

I/We have received and allowed for ADDENDA NUMBER 1&2 in preparing my/our Quotation.

Company Name:

2782917 Ontario Inc. o/a Tem-Pro Construction

Mailing Address:

469 Morissette Drive, Haileybury, ON

Postal Code:

P0J1K0

Telephone:

[REDACTED]

Email:

darcey@tem-pro.ca

Bidder's Authorized Official:

Darcey Mercier

Title:

Owner/Managing Director

Authorizing Signature:

Darcey Mercier

Date:

Dec 6th 2023

Contact name (if different
from authorizing official):

Contact's email:

darcey@tem-pro.ca

Form 1 to be submitted.

**City of Temiskaming Shores
RS-RFQ-007-2023
Animal Pound Renovations**

Non-Collusion Affidavit

I/ We Darcey Mercier the undersigned am fully informed respecting the preparation and contents of the attached Quotation and of all pertinent circumstances respecting such bid.

Such bid is genuine and is not a collusive or sham bid.

Neither the bidder nor any of its officers, partners, owners, agents, representatives, employees or parties of interest, including this affiant, has in any way colluded, conspired, connived or agreed directly or indirectly with any other Bidder, firm or person to submit a collective or sham bid in connection with the work for which the attached bid has been submitted nor has it in any manner, directly or indirectly, sought by agreement or collusion or communication or conference with any other bidder, firm or person to fix the price or prices in the attached bid or of any other Bidder, or to fix any overhead, profit or cost element of the bid price or the price of any bidder, or to secure through any collusion, conspiracy, connivance or unlawful agreement any advantage against the City of Temiskaming Shores or any person interested in the proposed bid.

The price or prices proposed in the attached bid are fair and proper and not tainted by any collusion, conspiracy, connivance or unlawful agreement on the part of the Bidder or any of its agents, representatives, owners, employees, or parties in interest, including this affiant.

The bid, quotation or Quotation of any person, company, corporation or organization that does attempt to influence the outcome of any City purchasing or disposal process will be disqualified, and the person, company, corporation or organization may be subject to exclusion or suspension.

Dated at: Moonbeam, ON this 6th day of December, 2023.

Signature: *Darcey Mercier*

Bidder's Authorized Official: Darcey Mercier

Title: Owner/Managing Director

Company Name: Tem-Pro Construction

Form 3 to be submitted.

**City of Temiskaming Shores
RS-RFQ-007-2023
Animal Pound Renovations**

List of Proposed Sub-Contractors

Name	Address	Component
Helm&Sons Plumbing, Heating, Electrical	[REDACTED]	Plumbing, ducts, electrical
Everline Coating & Services	[REDACTED]	Epoxy floors
New Liskeard Metal Works	[REDACTED]	Animal cages

I / We verify that the information provided above is accurate and that the individuals are qualified, experienced operators capable of completing the work outlined in this Quotation document.

Signed by Company Official

Darcey Mercier

Printed



Signed

Form 2 to be submitted.

**City of Temiskaming Shores
RS-RFQ-007-2023
Animal Pound Renovations**

Conflict of Interest Declaration

Please check appropriate response:

☒ I/We hereby confirm that there is not nor was there any actual perceived conflict of interest in our Quotation submission or performing/providing the Goods/Services required by the Agreement.

☐ The following is a list of situations, each of which may be a conflict of interest, or appears as potentially a conflict of interest in our Company's Quotation submission or the contractual obligations under the Agreement.

List Situations:

In making this Quotation submission, our Company has / has no (*strike out inapplicable portion*) knowledge of or the ability to avail ourselves of confidential information of the City (other than confidential information which may have been disclosed by the City in the normal course of the RFQ process) and the confidential information was relevant to the Work/Services, their pricing or quotation evaluation process.

Dated at: Moonbeam, ON this 6th day of December , 2023.

Signature:

Bidder's Authorized Official:

Title:

Company Name:

 Darcey Mercier

 Owner/Managing Director

 Tem-Pro Construction

Form 4 to be submitted.

Tem-Pro - 2782917 Ontario Inc.

201 Scott St
New Liskeard ON P0J 1P0
+1 7053321284
joey@tem-pro.ca
www.tem-pro.ca
GST/HST Registration No.: 706682473RT0001



Estimate

ADDRESS
Logan Belanger

ESTIMATE 1009
DATE 06/12/2023
E PIRATION DATE 15/02/2024

DATE	PRODUCT/SERVICE	DESCRIPTION	TAX	QTY	RATE	AMOUNT
	Carpenter	Floor prep and epoxy coating	HST ON	1	35,000.00	35,000.00
	Carpenter	Plumbing and electrical	HST ON	1	10,000.00	10,000.00
	Carpenter	Animal cage; build and install	HST ON	1	10,000.00	10,000.00
	Carpenter	Demolition, preparation, and material disposal	HST ON	1	3,500.00	3,500.00
	Carpenter	Framing; All walls and door openings	HST ON	1	5,000.00	5,000.00
	Carpenter	Drywall; mud & tape	HST ON	1	4,500.00	4,500.00
	Carpenter	Prime and paint	HST ON	1	4,000.00	4,000.00
	Carpenter	Fixture in tallation	HST ON	1	1,500 00	1,500 00
	Carpenter	Site cleanup	HST ON	1	500.00	500.00

SUBTOTAL	74,000.00
HST (ON) @ 13%	9,620 00
TOTAL	\$83,620.00

TAX SUMMARY

RATE	TAX	NET
HST (ON) @ 13%	9,620.00	74,000.00

Accepted By

Accepted Date

The Corporation of the City of Temiskaming Shores

By-law No. 2023-122

Being a by-law to regulate the care and control of animals, and the registration of dogs and cats within the City of Temiskaming Shores

Whereas the Council of the Corporation of the City of Temiskaming Shores deems it necessary and expedient to pass a By-law to regulate the keeping of animals and the registration of dogs and cats within the City of Temiskaming Shores; and

Whereas under Section 8 of the Municipal Act, 2001, S.O. 2001, c. 25, as amended, the powers of a municipality shall be interpreted broadly to enable it to govern its affairs as it considers appropriate and to enhance the municipality's ability to respond to municipal issues; and

Whereas under Section 9 of the Municipal Act, 2001, S.O. 2001, c. 25, as amended, a municipality has the capacity, rights, powers and privileges of a natural person for the purpose of exercising its authority under this or any other Act; and

Whereas under Section 10 (1) of the Municipal Act, 2001, S.O. 2001, c. 25, as amended, a single-tier municipality may provide any service or thing that the municipality considers necessary or desirable for the public; and

Whereas under Section 10 (2) 6 of the Municipal Act, 2001, S.O. 2001, c. 25, as amended, provides that a municipality may pass by-laws with respect to matters of health, safety and well-being of persons; and

Whereas under Section 10 (2) 9 of the Municipal Act, 2001, S.O. 2001, c.25, as amended, a municipality may pass by-laws respecting animals; and

Whereas Section 103. (1) of the Municipal Act, 2001, S.O. 2001, c.25, as amended, provides that if a municipality passes a by-law regulating or prohibiting with respect to the being at large or trespassing of an animals, it may provide for;

- (a) the seizure and impounding of animals being at large or trespassing contrary to the by-law; and
- (b) the sale of impounded animals,
 - (i) if they are not claimed within a reasonable time,
 - (ii) if the expenses of the municipality respecting the impounding of animals are not paid, or
 - (iii) at such time and in such manner as provided in the by-law; and

Whereas Section 425(1) of the Municipal Act, S.O. 2001, c. 25, as amended, provides that a municipality may pass by-laws providing that a person who contravenes a by-law of the municipality passed under the Act is guilty of an offence; and

Whereas Section 429(1) of the Municipal Act, S.O. 2001, c. 25, as amended, provides that a municipality may establish a system of fines for offences, subject to section 429 (4) under a by-law of the municipality passed under the Act; and

Whereas Section 436(1) of the Municipal Act, 2001 S.O. 2001, c.25, as amended, authorizes a municipality to pass by-laws to authorize the right to enter land under certain circumstances; and

Whereas Section 446(3) of the Municipal Act, 2001 permits a municipality to recover the costs of doing a matter of thing under Subsection 446(1) from the person directed or required to do it by action or by adding the costs to the tax roll and collecting them in the same manner as property taxes.

Now therefore the Council for the Corporation of the City of Temiskaming Shores hereby enacts the following as a by-law:

1. That Council adopts a by-law to regulate the care and control of animals, and the registration of dogs and cats within the City of Temiskaming Shores, identified as Schedule "A", attached hereto and forming part of this by-law.
2. That By-law No. 2013-051 and any amendments (By-law No. 2021-120) be hereby repealed upon the final passing of this by-law.
3. That the Clerk of the City of Temiskaming Shores is hereby authorized to make minor modifications or corrections of a grammatical or typographical nature to the By-law and schedule, after the passage of this By-law, where such modifications or corrections do not alter the intent of the By-law.
4. That this By-Law shall come into force and take effect on the date of its final passing.

Read a **First** and **Second** time this 21st day of November 2023.

Mayor

Clerk

Read a **Third** time and **finally passed** this _____ day of _____, 2023.

Mayor

Clerk



Animal Care and Control By-law

Schedule "A" to

By-law No. 2023-122

Being a by-law to regulate the care and control of animals, and the registration of dogs and cats within the City of Temiskaming Shores

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1. Section 1 - General Provisions and Purpose

1.1 Short Title

This By-law shall be cited as the Animal Care and Control By-law.

1.2 Scope

Except where otherwise provided, the provisions of this By-law shall apply to all Persons and property within the geographic limits of the City.

1.3 Enforcement

This By-law shall be enforced by an appointed Animal Care & Control Officer, By-law Enforcement Officer, or Police Officer, where deemed appropriate.

1.4 Administration and Delegation

Except where otherwise provided, the provisions and administration of this By-law shall establish the general guidelines and provide for the administration of Temiskaming Shores Animal Services.

Temiskaming Shores Animal Services has the delegated authority to:

- a) Make all decisions required under this By-law;
- b) Perform administrative functions assigned under this By-law and those necessary for the due administration and implementation of this By-law;
- c) Establish, revise from time-to-time, such forms, documents, standards, protocols and procedures as determine and required to implement and administer this By-law;
- d) Develop, implement, and promote programs and guidelines to encourage responsible ownership, care and Control of Dogs and Cats, provided the programs and guidelines are consistent with the spirit of this By-law and within Council approved budgets; and
- e) To partner to develop, implement and maintain programs of Control or monitoring, which authorizes participants to operate programs in accordance with program guidelines, and in accordance with approved budgets to manage overpopulation and to mitigate other identified community-wide Animal issues.

1.5 Interpretation

- 1.5.1 Nothing in this By-law shall give any Person any right to Keep an Animal where it is not permitted by:
 - a) a Zoning By-Law regulating the Premises on which Animals are kept;
 - b) federal or provincial statute or regulation, thereunder.

- 1.5.2 Nothing in this By-law relieves any Person from complying with any provision of federal or provincial legislation, or any other By-law of the City.
- 1.5.3 Specific references to laws or By-laws are meant to refer to the current laws applicable at the time that this By-law was enacted, and shall be interpreted to include amendments, restatements, and successor legislation.
- 1.5.4 If any court of competent jurisdiction finds any provision of this By-law is illegal or ultra vires of the jurisdiction of the City, such provision shall be deemed to be severable, and shall not invalidate any of the other provisions of this By-law.
- 1.5.5 Where a provision of this By-law conflicts with a provision of another By-law in force in the City, or any provisions of any federal or provincial statutes or regulation, the provision that establishes the higher standard in terms of protecting the health, safety and welfare of the general public and the environmental well-being of the Municipality, shall prevail to the extent of the conflict.

1.6 Purpose and Standard of Care

The purpose of this By-law is to:

- a) Provide a framework for the delivery of enforcement services in respect to Animals and the Keeping of Dogs, Cats, and Prescribed Birds;
- b) Educate the public and set standards of care for humane and responsible pet ownership; and
- c) Maintain the health, safety and well-being of all Persons and their property, while making all efforts possible to prevent potential conflicts with Animals, people, property, and the environment.

2. Section 2 - Definitions

Definitions of words, phrases and terms used in this By-law that are not included in the list of definitions in this section, shall have the meanings which are commonly assigned to them in the context in which they are used in this By-law.

The words, phrases and terms defined in this section have the following meaning for the purpose of this By-law.

- 2.1 *Animal* means a member of the Animal kingdom, other than a human, not covered by the Wildlife Act.
- 2.2 *Animal Care and Control Officer* means the Person or Persons duly appointed by Council as Municipal Law Enforcement Officers, for the purpose of enforcing the City's Animal Care and Control By-law.

- 2.3 *Animal Prohibited Area* means areas designated by Council in which Dogs, Cats and Animals are not permitted.
- 2.4 *Asilomar Accords* means a set of standards created by the Asilomar Accords 2004 to define Animal Categories and for collecting and reporting data with the goal of saving the lives of all healthy and treatable companion Animals.
<https://www.americanhumane.org/app/uploads/2016/08/au-asilomar-accordspdf.pdf>
- 2.5 *At Large* means where an Animal is in any place other than its Owner's lot and is not restrained by a capable Person by means of a Leash or otherwise.
- 2.6 *Building Code Act* means the Building Code Act, S.O. 1992, C23.
- 2.7 *By-law Enforcement Officer* means the Person or Persons duly appointed by Council as Municipal Law Enforcement Officers for the purpose of enforcing regulatory By-laws of the City.
- 2.8 *Cat* means a male or female feline of any breed of domesticated Cat or crossbreed of domesticated Cat.
- 2.9 *Cat Tag* means a Cat Tag issued pursuant to this By-law.
- 2.10 *City* means the Corporation of the City of Temiskaming Shores.
- 2.11 *Control* includes care and custody.
- 2.12 *Coop* means a fully enclosed weatherproof building where Hens are kept and which the interior of includes nest boxes for egg laying, perches for the Hens to sleep on and food and water containers.
- 2.13 *Council* means the Municipal Council of the City of Temiskaming Shores.
- 2.14 *Dog* means a male or female of the domesticated canine species.
- 2.15 *Dog Owners Liability Act* means the Dog Owners Liability Act R.S.O. 1990, c. D.16 as amended.
- 2.16 *Dog Tag* means a Dog Tag issued pursuant to this By-law.
- 2.17 *Dwelling Unit* means a Suite operated as a house keeping unit, used or intended to be used as a domicile by one or more Persons, and usually containing cooking, eating, living, sleeping and sanitary facilities.
- 2.18 *Effective Control* means to be in the care and custody of a Responsible Person.

- 2.19 *Feed(s) / Feeding* means to intentionally furnish or make food available with regular or intermittent supply of food or allowing the placing or maintenance of a supply of food on a regular or intermittent basis, which food is accessible to or accessed by a Dog, Cat, Prescribed Bird, or Animal.
- 2.20 *Fire Chief* means the head of the Temiskaming Shores Fire Department as designated by Council.
- 2.21 *Harbor* means living with, having care and Control of, Feeding, leaving food in a manner that is likely to attract a Dog, Cat, Prescribed Bird, or Animal to a property, and shall also specifically include a situation in which any Person provides food to any Dog, Cat, Prescribed Bird, or Animal whether domesticated or feral.
- 2.22 *Hen* means a domesticated female chicken.
- 2.23 *Hen Run* means a covered secure enclosure that allows hens' access to outdoors
- 2.24 *Herding Dog* means a Dog that has been trained and is actively being used in a bona fide farming operation for the purpose of controlling livestock on the farm.
- 2.25 *Keeps / Keeping* means to own, Keep, Harbor, Maintain or Feed a Cat, Dog, Prescribed Bird, or Animal.
- 2.26 *Kennel* means Premises other than a pet store, veterinary hospital or clinic, animal shelter or property that is operating a legitimate fostering program for Dogs, Cats or Animals under the authority of a society, in which the predominant activity consists of: breeding Dogs, Cats or Animals, raising Dogs, Cats or Animals, boarding Dogs, Cats or Animals, and/ or, Harboring more than the maximum allowable number of Dogs, Cats or Animals.
- 2.27 *Kennel License* means a permit granted by City Council to operate a Kennel.
- 2.28 *Leash* means a restraining device, by which a Dog, Cat or other Animal is held in check.
- 2.29 *Leashed* shall mean restrained by a Leash securely attached to the Dog or Cat and a Person or object.
- 2.30 *Lifetime Tag* shall mean a non-transferrable tag for the life of the registered Cat or Dog, conditional upon the Cat or Dog being spayed or neutered, and has a Microchip or Tattoo.
- 2.31 *Livestock Guardian Dog* means a Dog that works and/or lives with domestic farm Animals (e.g., Cattle, sheep, poultry) to protect them while repelling predators and is used exclusively for that purpose.

- 2.32 *Lot Line* means the boundary line between adjoining properties and or the boundary line between a property and a highway, laneway, municipal sidewalk, or municipal road allowance.
- 2.33 *Maintain* means to carry out repairs to any part or parts of a fence or structure, retention equipment, muzzling device, or other such equipment necessary so it can properly perform its intended function.
- 2.34 *Microchip* means an approved "Canadian Standard" encoded identification device implanted into a Dog or Cat which contains a unique code that permits or facilitates access to Owner information, including the name and address of the Owner, which is stored in a central data base.
- 2.35 *Municipality* means the land within the geographic limit of the City of Temiskaming Shores.
- 2.36 *Muzzle* means a humane fastening or covering device over the mouth of a Dog and of sufficient strength to prevent the Dog from biting.
- 2.37 *Noise(s)* means unwanted and persistent sound.
- 2.38 *Owner* when used in relation to a Dog or Cat, or Animal, includes a Person who possesses or Harbors the Dog or Cat, or Animal. Where the Owner is a minor, the Person responsible for the custody of the minor. *Owns* has a corresponding meaning.
- 2.39 *Paramedic* means a Person employed by the District of Temiskaming Social Services Administration Board to provide emergency medical services.
- 2.40 *Person* means an individual, firm or corporation.
- 2.41 *Police Dog* means a Dog trained to aid law enforcement officers and used by such officers in the execution of their duties.
- 2.42 *Police Officer* means a member of the Ontario Provincial Police Service.
- 2.43 *Pound* means premises that are used for the detention, maintenance or disposal of Dogs or Cats that have been impounded pursuant to this By-law or the Dog Owners' Liability Act.
- 2.44 *Premises* means the entire lot on which a single Dwelling Unit building or a multi-Dwelling Unit building is situated.
- 2.45 *Prescribed Bird* means a bird permitted in Section 7 of Schedule "A" of this By-law.
- 2.46 *Private Property* means property which is privately-owned and is not City property.

- 2.47 *Provincial Offences Act* means the Provincial Offences Act, R.S.O. 1990, c. P.33, as amended.
- 2.48 *Public Property* includes all lands owned by the City, any local boards, any corporations owned or controlled by the City and includes all Crown lands.
- 2.49 *Registrar* means the registration, records and database of Temiskaming Shores Animal Services under the care of the Animal Care & Control Officer and appointed agents for the City, pursuant to this By-law.
- 2.50 *Responsible Person* means a Person having the strength and capacity to securely Control a Dog or Cat, so as not to permit or allow unwanted contact with another Person, Dog, Cat, Prescribed Bird or Animal.
- 2.51 *Run/Running At Large* means to be found in any place other than the Premises of the Owner of the Dog, Cat, or Hen and not under the Control of a Person in such a manner as to prevent escape.
- 2.52 *Service Animal* means any Animal used by a Person with a disability for reasons relating to the disability where it is readily apparent that the Animal is used by the Person for reasons relating to his or her disability; or where the Person provides a letter from a physician or nurse confirming that he or she requires the Animal for reasons relating to his or her disability; or a valid identification card signed by the Attorney General of Canada or a certificate of training from a recognized guide Dog or Service Animal training school.
- 2.53 *Suite* means a single room or series of rooms of complementary use, operated under a single tenancy, and includes dwelling units, individual guest rooms in motels, hotels, boarding houses, rooming houses, and dormitories.
- 2.54 *Tag* in reference to a Dog means a Dog Tag, and in reference to a Cat means a Cat Tag.
- 2.55 *Tattoo* means a permanent ink marking for identification purposes.
- 2.56 *Temiskaming Shores Animal Services* means the authorized administration of services set out in the By-law.
- 2.57 *Veterinarian* means a Person registered or licensed under the Veterinarian Act.
- 2.58 *Veterinarian Act* means the Veterinarian Act, R.S.O. 1990, c. V.3, as amended.
- 2.59 *Vicious Cat* means a Cat that has attacked or bitten a Person, Dog, Cat, or Animal as determined by the Animal Care and Control Officer in accordance with Section 5.1 herein.

2.60 *Vicious Dog* means a Dog that has attacked or bitten a Person, Dog, Cat, or Animal as determined by the Animal Care and Control Officer in accordance with Section 5.1 herein.

2.61 *Zoning By-law* means all current By-laws and amendments thereto and any subsequent By-laws which may be enacted in substitution therefore under the Planning Act with respect to land use within the City.

3. Section 3 – Registration of Cats and Dogs

The licensing of pets is one step to encourage responsible pet ownership by properly identifying companion Animals in the City. Tags are proof of ownership so that Animals may be returned to their Owners sooner, often by neighbors, without incurring costs.

Responsible pet Owners reduce the number of companion Animals Running At Large, preventing inadvertent breeding and helps mitigate over population within the Municipality.

3.1 Registrar

3.1.1 Temiskaming Shores Animal Services is the Registrar responsible for the issuance of Tags and may, from time-to-time, appoint inwriting agents for the issuance of Tags, as necessary.

3.1.2 Temiskaming Shores Animal Services may revoke any such appointment inwriting for such reason as Temiskaming Shores Animal Services shall determine.

3.2 Requirement to Register

3.2.1 Except as provided to the contrary in this By-law, every Owner of a Dog or Cat shall register the Dog or Cat with Temiskaming Shores Animal Services on or before January 1st in each year that they are the Owner of that Dog or Cat, or upon providing the necessary information, register for a Lifetime Tag of that Dog or Cat.

3.2.2 Every Person who becomes the Owner of a Dog or Cat after January 1st in any year; shall register the Dog or Cat with Temiskaming Shores Animal Services within 7 days of becoming the Owner of the Dog or Cat, and on or before January 1st in each year thereafter, unless registered under a Lifetime Tag.

3.2.3 Notwithstanding Sections 3.2.1 and 3.2.2, no Person need to register a Dog or Cat before the Dog or Cat reaches the age of twelve (12) weeks. The onus of proof of the age of the Dog or Cat shall rest with the Owner.

3.2.4 Notwithstanding Section 3.2.1 the Owner of a Cat(s) who resides in a Dwelling Unit in an area which is zoned "rural" or "agricultural" pursuant to the Zoning By-law, shall not be required to register his or her Cat(s), provided the property on which the Dwelling Unit is located is used for agricultural uses, as defined in the Zoning By-law.

3.2.5 The registration of a Dog or Cat shall expire upon the earliest of:

- a) the transfer of Ownership of the Dog or Cat for which it was issued;
- b) the death of the Dog or Cat for which it was issued; including Lifetime registrations;
- c) December 31st of the year in which it was issued, unless the Dog or Cat was registered for a Lifetime Tag.

3.3 Registration Process

3.3.1 Every Person who applies to Temiskaming Shores Animal Services to register a Dog or Cat, shall complete any necessary forms, and provide the following:

- a) provide the name, physical and mailing address, and telephone number of the Owner of the Dog or Cat;
- b) provide the name of the Dog or Cat;
- c) provide a description of the Dog or Cat such as sex, age, breed, colour, and temperament;
- d) disclose whether or not the Dog or Cat has a Microchip implanted or has been Tattooed;
- e) disclose if the Animal is a Service Animal;
- f) disclose if the Dog is a Livestock Guardian Dog, or a Herding Dog;
- g) disclose if the Dog or Cat is spayed or neutered; and
- h) pay the required registration fee as outlined in the City's current Departmental User Fee and Service Charges By-law.

3.4 Issuance of Tags

3.4.1 Upon the applicant providing all information and documentation required by Temiskaming Shores Animal Services, and paying the appropriate registration fee, Temiskaming Shores Animal Services shall register the Dog or Cat, and shall issue to the applicant a Dog Tag or a Cat Tag, which bears a unique serial number, shows the year of issue and such other information as may be determined by Temiskaming Shores Animal Services.

3.4.2 Every Owner of a registered Dog or Cat shall advise Temiskaming Shores Animal Services within 7 days thereafter, of:

- a) change of address or phone number of the Owner of the Dog or Cat;
- b) sale or other transfer of Ownership of the Dog or Cat; or

- c) the death of the Dog or Cat.

3.4.3 Temiskaming Shores Animal Services shall have the right to cancel the registration of a Dog or Cat if the registration fee is not paid in full, through error, as a result of a cheque being returned marked 'Not Sufficient Funds', a credit card charge being refused, or for any other reason deemed legitimate.

3.4.4 Every Tag issued by Temiskaming Shores Animal Services remains the property of the City, and in the event the registration of a Dog or Cat is cancelled by Temiskaming Shores Animal Services, the Tag shall be surrendered to Temiskaming Shores Animal Services.

3.5 Replacement Tags & Refunds

3.5.1 Temiskaming Shores Animal Services shall issue a replacement Dog Tag or Cat Tag to the Owner of a registered Dog or Cat upon;

- a) application of the Owner;
- b) evidence satisfactory to Temiskaming Shores Animal Services that the Tag was lost or damaged; and
- c) payment of the prescribed replacement Tag fee.

3.5.2 Temiskaming Shores Animal Services shall have discretion to issue a partial or complete refund of the registration fee if they are satisfied that the refund is being requested for a legitimate reason.

3.6 Registrar's Records

3.6.1 Temiskaming Shores Animal Care & Control shall maintain records of all Dog Tags, Cat Tags and replacement Tags issued by Temiskaming Shores Animal Services in each calendar year, and shall update such records as additional information is received pursuant to Section 3.4.2.

3.6.2 The records under Section 3.6.1 shall include:

- a) the name, physical and mailing address and phone number of the Owner of the Dog or Cat;
- b) name of the Animal.
- c) a description of the Dog or Cat such as sex, age, breed, colour and temperament
- d) the particulars of any Tattoo or Microchip implanted in the Dog or Cat.
- e) the serial number of the Dog Tag or Cat Tag issued for that Dog or Cat.
- f) the fee paid.
- g) if the Animal is a Service Animal.
- h) if the Dog is a Livestock Guardian Dog, or a Herding Dog.

- i) if the Dog or Cat is spayed or neutered
- j) the particulars of any evidence provided in support of a fee reduction; and
- k) other information as Temiskaming Shores Animal Services in their sole discretion determines to be necessary.

4. Section 4 – Regulation – Dog, Cat, and Animal

Owning a pet is a long-term commitment. Owners must consider the time, effort, and resources required to care for a pet throughout its entire life span, and choose a pet that suits lifestyle, living situation, and capabilities to provide proper care and attention.

Standard of Care: Every Owner and Keeper of an Animal shall:

- a) Comply with the standards of care and this By-law.
- b) Keep in a humane manner free from abuse and neglect and is provided with the necessities and conditions to Maintain and protect the Animal's wellbeing.
- c) Not cause conflict with other Animals, people, property, or the environment.

4.1 Dog and Cat to Wear Tag

- 4.1.1 Every Owner of a Dog and every Owner of a Cat shall Keep the Lifetime Tag, or Tag securely fixed on the Dog or Cat for which the Tag was issued, at all times during the term of issue.
- 4.1.2 Notwithstanding Section 4.1.1, an Owner need not Keep the Tag on their Dog or Cat:
 - a) while the Dog or Cat is contained within the Dwelling Unit of its Owner; or
 - b) in the case of a Dog, while the Dog is being lawfully used for hunting, and the Tag is produced upon request of an Animal Care & Control Officer; or,
 - c) where a Veterinarian has determined it is necessary to remove the Tag for medical treatment of that Dog or Cat; or,
 - d) if the Dog is a Livestock Guardian Dog or a Herding Dog and the Dog is being actively used in farming practice and has been Tattooed or implanted with a Microchip.
- 4.1.3 No Person shall remove a Tag from a Dog or Cat without the consent of the Owner thereof.
- 4.1.4 No Person shall attach a Tag to a Dog or Cat other than the Dog or Cat for which it was issued.

4.2 Number of Dogs and Cats

- 4.2.1 The total number of permitted Dogs and Cats within a Dwelling Unit in each Zone of the Municipality, as defined in the Zoning By-law, shall be as follows:

	Number of Permitted Dogs	Number of Permitted Cats	Combined Total
Rural Residential (R1) Low Density Residential (R2) Medium Density Residential (R3)	3	3	n/a
High Density Residential (R4), Mobile Home Residential (M4), and all other zones that permit a Dwelling/ Dwelling Unit	2	2	3
Agriculture (A1), and Rural (RU) with a Dwelling/ Dwelling Unit	4	4	n/a

- 4.2.2 This section does not apply to:

- a) A licensed Kennel;
- b) a veterinary hospital;
- c) a pet shop;
- d) a Pound;
- e) a newborn litter of Dogs or Cats kept under the age of 12 weeks old.
- f) farm Dogs or farm Cats; and/or
- g) a rescue shelter or authorized Person or organization affiliated with a rescue group.

- 4.2.3 The following legacy provision applies at the time of the passing of this By-law. Despite subsection 4.2.1, any Person who, on the date of the passage of this By-law, was lawfully Keeping more than the total allowable number of Animals stated in subsection 4.2.1 may Keep the number of Dogs and Cats over the total number permitted until they have died or relocated.

- 4.2.3.1 The number of allowable pets must still meet the provisions of Section 4.2 of By-law 2013-051 and all Animals must be registered at the time this By-law comes into force and effect.

- 4.2.3.2 The legacy clause will not apply to any future Animals in a Dwelling Unit, if the number exceeds the amount specified in Section 4.2.1 above.

4.3 At Large

- 4.3.1 No Owner of a Dog or Cat shall cause, allow, or permit a Dog or Cat they own to be At Large within the limits of the City.
- 4.3.2 No Owner shall permit a Dog or Cat to Run At Large that is not within the Dwelling Unit, or on the Premises of its Owner, or on Private Property without the consent of the Owner of that Private Property.
- 4.3.3 When not within the Dwelling Unit or on the Premises of its Owner or on Private Property with the consent of the Owner of that Private Property, all Dogs and Cats shall be
- a) on a Leash;
 - b) on a Leash of not more than two (2) meters in length;
 - c) on a Leash held under the Effective Control of a Responsible Person.
- 4.3.4 Notwithstanding Section 4.3.3, this requirement shall not apply to an Owner exercising his or her Dog(s), in a Dog Off-Leash Area as set out in Appendix "3" to Schedule "A".
- 4.3.5 Notwithstanding Sec. 4.3.1, this requirement shall not apply to an Owner of Livestock Guardian Dogs and Herding Dogs while such Dogs are being used in accordance with their defined function, or Dogs that are legally and actively used in a hunt, on property owned or leased by the Owner.
- 4.3.6 No Owner shall allow their Dog(s) to enter a Dog Off-Leash Area if the Dog(s) is not wearing a valid Dog Tag, and/or history of vicious behaviour.
- 4.3.7 A Cat released outdoors as part of the operation of a program, activity or event, such as Trap, Spay/Neuter and Return Program, authorized by the City, would not be considered Running At Large.

4.4 Abandonment

No Person shall leave a Dog, Cat, Animal or Prescribed Bird in or about any City property without making provision for its continued care.

4.5 Owner not to permit Trespass

No Owner shall allow or permit their Dog or Cat to trespass on Private Property whether on a Leash or not.

4.6 Required to Stoop and Scoop

- 4.6.1 Every Owner of a Dog, Cat, or other Animal shall immediately remove any excrement left by the Dog, Cat, or other Animal in the City:
- a. on a highway or roadway;
 - b. in a public park;
 - c. on any public property other than a public park; or
 - d. on any Private Property other than the property of the Owner of the Dog, Cat or other Animal or the Person having care, custody or Control of the Dog, Cat, or other Animal.
- 4.6.2 Every Owner of a Dog, Cat or other Animal shall remove forthwith from their Premises excrement left by such Dog, Cat, or other Animal so as not to disturb the enjoyment, comfort, convenience of any Person in the vicinity of the Premises.
- 4.6.3 Notwithstanding Section 4.6.1, this requirement shall not apply to a Service Animal.

4.7 Owner Not to Permit Noise

- 4.7.1 No Person or Owner shall permit any Noise made by any Dog, Cat, Prescribed Bird, or any other Animal kept or used for any purpose, which is likely to disturb the peace or comfort of any individual in any location beyond the Lot Line of the property on which such Dog, Cat, Prescribed Bird or other Animal is located.
- 4.7.2 For the purpose of Section 4.7.1, persistent barking, howling, clucking, or other Animal Noise is defined as repeatedly barking, howling, clucking or otherwise continuously heard for a period of twenty (20) minutes or more, or intermittently over a period of one hour or more.
- 4.7.3 Notwithstanding Section 4.7.1 Livestock Guardian Dogs and Herding Dogs shall be exempt from the foregoing provision while actively engaged in guarding livestock against predators.

4.8 Animal Prohibited Area

- 4.8.1 No Person may bring any Dog, Cat or Animal into an Animal Prohibited Area as listed in Appendix "2" to Schedule "A" of this By-law.
- 4.8.2 Notwithstanding Section 4.8.1, this requirement shall not apply to a Service Animal.

4.9 No Person to Harbor

- 4.9.1 No Person shall Keep or Harbor any Dog, Cat, Prescribed Bird, or Animal in a manner that adversely impacts neighboring properties or residents, whether through offensive odours, Noise likely to disturb inhabitants, Running At Large of Dog(s), Cat(s) or Animal(s), accumulation of feces or otherwise.

5. Section 5 – Vicious

5.1 No Owner Shall Permit Attack

- 5.1.1 No Owner shall permit their Dog, Cat, or Animal to attack or to bite a Person, Dog, Cat, or Animal.
- 5.1.2 Where the Animal Care & Control Officer is informed, upon receipt of a valid complaint, may investigate to determine if the Animal should be found to be a Vicious Animal.
- 5.1.3 Where the Animal Care and Control Officer is satisfied that a Dog, Cat or Animal has attacked or bitten a Person or Animal, or has been threatening or aggressive towards a Person or Animal without being provoked, and has further been provided with satisfactory evidence as to the name and address of the Owner of the Dog, Cat or Animal, the Animal Care & Control Officer shall serve notice on the Owner of the Dog, Cat or Animal that the Dog, Cat or Animal is deemed to be a Vicious Dog, Cat or Animal and requiring the Owner to comply with any or all of the requirements set out in Sections 5.1.4 and 5.1.5.
- 5.1.4 Serving of notice that a Dog, Cat or Animal has been deemed a Vicious Dog, Cat or Animal may be affected on the Person who shows in the City's records as the Owner of the Dog, Cat or Animal, or where the Dog, Cat or Animal does not appear to be registered pursuant to this By-law, on such other Person who appears to be the Owner of the Dog, Cat or Animal. Serving of notice may be affected by Personal service, by registered mail, or by posting up in a conspicuous place at the address shown in the records of the City, as the address for the Owner of the Dog, Cat or Animal, or where the Dog, Cat or Animal is not registered under this By-law, at such address as appears to be the address of the Owner of the Dog, Cat or Animal. Serving of the notice shall be effective upon the date that Personal service is affected or where served by registered mail or by posting, shall be deemed effective on the fifth day after mailing or posting as the case may be.

- 5.1.5 Every Owner of a Vicious Dog, Cat or Animal shall at all times when the Vicious Dog, Cat or Animal is not in the Owner's dwelling unit, but otherwise within the boundaries of the Owner's Premises, ensure that:
- a. the Vicious Dog, Cat or Animals is Muzzled so as to prevent it from biting a Person or Animal;
 - b. the Vicious Dog, Cat or Animal is securely leashed on a Leash which does not allow it to go beyond the Lot Line of the Owner's lands;
 - c. the Vicious Dog, Cat or Animal is confined within a secured structure in a good state of repair so as to prevent escape;
 - d. a warning sign stating 'beware of Dog' is posted in a conspicuous place to be visible from the road.
- 5.1.6 Every Owner of a Vicious Dog, Cat or Animal shall at all times when the Vicious Dog, Cat or Animal is not within the boundaries of the Owner's Premises;
- a. Keep the Vicious Dog, Cat, or Animal under Effective Control of a Responsible Person on a Leash held by the Person; and
 - b. Keep the Vicious Dog, Cat, or Animal Muzzled.
- 5.1.7 Every Owner of a Vicious Dog, Cat or Animal shall notify Temiskaming Shores Animal Services within two (2) working days of any change in Ownership or residence of the Vicious Dog, Cat or Animal provide Temiskaming Shores Animal Services with the new address and telephone number of the Owner.
- 5.1.8 Where the Owner of a Vicious Dog, Cat, or Animal is informed that his Dog, Cat or Animal has been deemed to be a Vicious Dog, Cat or Animal, the Owner may, within 14 days of such notice request in writing a hearing by Council or committee established for that purpose and Council may exempt the Owner from the muzzling or leashing requirement, or both such requirements or may modify the conditions for muzzling or leashing.
- 5.1.9 The notification that a Dog, Cat or Animal is a Vicious Dog, Cat, or Animal is effective from the date it is served, even if a hearing before Council is requested by the Owner of the Dog, Cat or Animal affected.

6. Section 6 – Seize and Impound

The retention of Dogs and Cats at the City facility is intended to be short-term and within the retention periods provided in the By-law, where possible.

Discretionary provisions will apply to situations as they arise that ensure the health and safety of Persons and Animals involved in the matter.

Impounding of Cats that cannot be clearly identified as owned pets is discouraged and shall be addressed by other means such as City sanctioned programs.

6.1 Animal Care & Control Officer may Seize

- 6.1.1 The Animal Care & Control Officer may seize, any Dog or Cat, found At Large.
- 6.1.1.1 The Animal Care & Control Officer or delegate may, in their discretion, deliver a seized, licensed Dog or Cat to its Owner without impounding the licensed Dog or Cat, provided:
- a) The Animal Care & Control Officer or delegate can make arrangements with the Owner for the return of the licensed Dog or Cat without delay and;
 - b) There is no record of being seized in the prior six (6) months.
- 6.1.1.2 A Dog or Cat seized otherwise shall be considered impounded at the time and place it is seized by the Animal Care and Control Officer.
- 6.1.1.3 An Animal Care and Control Officer may enter on any Private Property, at any reasonable time, without the consent of the Owner of the property, for the purpose of discharging the duties imposed by this By-law and to enforce its provisions, without a search warrant, provided they are in an active pursuit of a Dog, Cat, or Animal.
- 6.1.2 In no instance should an Animal Care and Control Officer enter any Dwelling Unit, or other building situated on Private Property without a Search Warrant authorizing such entry, or consent of the occupier pursuant to Section 437 of the Municipal Act, 2001.
- 6.1.3 Any Dog or Cat seized by an Animal Care and Control Officer under this By-law may be impounded for a minimum of five business days from the time of its impoundment, exclusive of the day on which the Dog or Cat was impounded.
- 6.1.4 Any Dog, Cat or Animal At Large contrary to the provisions of this By-law which in the opinion of the Animal Care & Control Officer appears to be Vicious or rabid and to be a threat to the safety of the community, and which cannot be captured by the Animal Care & Control Officer, may be dealt with under the supervision of the Ontario Provincial Police and consultation with Provincial Animal Welfare agencies and services. The Owner of the Dog, Cat, or Animal shall not be entitled to damages or compensation.

- 6.1.5 Notwithstanding Section 6.1.3, where a Dog or Cat is seized or impounded, and a Veterinarian deems it necessary to euthanize the Dog or Cat without delay for humane reasons or for reasons of safety to Persons or domestic Animals, the Animal Care and Control Officer may make arrangements, and may do so without permitting any Person to reclaim the Dog or Cat. The Owner of the Dog, Cat, or Animal shall not be entitled to damages or compensation.
- 6.1.6 Any Person that captures any Dog, Cat, or Animal At Large and trespassing on his or her property and, upon doing so, shall report capture of the Dog, Cat or Animal to the Animal Care & Control Officer who may assist.
- 6.1.7 All Persons before proceeding to trap Animals At Large are required to give advance notice to the Animal Care & Control Officer, where possible.
- 6.1.8 During the impound period referred to in Section 6.1.3, the Owner of the Dog or Cat, shall be entitled to redeem the Dog, or Cat upon:
- a) payment of the impound fees and the board fees in the amount as set out in the City's current Departmental User Fee and Service Charges By-law.
 - b) payment of any Veterinarian fees incurred for the well-being of the Dog, or Cat.
 - c) registering the Dog or Cat in accordance with this By-law if there is no evidence the Dog or Cat is already registered. When registration is completed as per this requirement, the registration fee is in accordance with the City's current Departmental User Fee and Service Charges By-law.
- 6.1.9 If the Dog or Cat is not redeemed within the time specified in subsection 6.1.3, the Animal Care and Control Officer may retain the Dog or Cat for such further time as they consider proper and may:
- a) Transfer the Dog or Cat to one of the authorized shelters, rescue group or other organizations registered or in a contracting agreement with the City.
 - b) Euthanized if found to be medically or behaviorally unhealthy and untreatable in alignment with the Asilomar Accords.

6.2 Protective Care

- 6.2.1 The Animal Care and Control Officer is authorized, upon request of a Police Officer, Fire Chief, or his or her designate, or Paramedic to impound a Dog, Cat or Animal for protective care purposes, pursuant to an incarceration, fire, medical emergency, or for any other situation that the Animal Care & Control Officer deems appropriate and necessary and to

Keep such Dog(s) or Cat(s) or Animal(s) for the required period and not to exceed fifteen (15) business days.

- 6.2.2 In the event that the Owner of the Dog, Cat, or Animal impounded for protective care does not claim the Dog, Cat or Animal and pay the impound fees, board fees, and Veterinarian fees in the amounts as set out in in the City's current Departmental User Fee and Service Charges By-law., within fifteen (15) days, then on the sixteenth day, the Dog, Cat, or Animal shall be deemed to have been impounded as Running At Large in accordance with Section 6.1, and impound timelines as set out in Section 6.1.3 shall begin to run.

6.3 Impound Fees

- 6.3.1 Where a Dog or Cat or Animal is seized, or impounded for protective care, the Owner, if known, shall be liable for the impound fees, board fees, and Veterinarian fees in an amount as set out in in the City's current Departmental User Fee and Service Charges By-law., whether the Dog or Cat, or Animal is claimed from the Pound or not, and shall pay all fees on demand by the Animal Care & Control Officer.
- 6.3.2 Notwithstanding Section 6.3.1, in appropriate humanitarian circumstances, as determined by the Animal Care & Control Officer, may, in his or her discretion, in consultation with the City Manager, waive all or part of the impound fees, board fees, and Veterinarian fees, or provide for delayed or installment payments of same, in consultation with the Treasurer of the City.

6.4 Trap Regulations

- 6.4.1 Any Dog, Cat or Animal seized in accordance with Section 6.1.3 shall be:
- a) trapped in a humane manner;
 - b) not kept in a trap for more than 24 hours;
 - c) protected from the elements while in a trap.
- 6.4.2 In no circumstances should a Person use any trap that causes or may cause injury, pain or suffering to an Animal. Without limiting the generality of the foregoing, no Person shall set a trap within the Municipality:
- a) Which is greater than 32" by 12" by 12" in size;
 - b) No Person shall use a killer trap, leg-hold trap, body gripping trap or a snare.
- 6.4.3 Notwithstanding Sections 6.4.1 and 6.4.2 shall not apply to the trapping of an Animal, where the Animal is trapped by a Person who is licensed with the Ministry of Natural Resources and Forestry or is otherwise authorized

by law to trap the Animal, and the trapping is conducted in accordance with any applicable legislation.

7. Section 7 – Regulations – Prescribed Birds

The interest in Hens in urban areas provides benefit of the human-bird bond and production of a food item, primarily eggs. However, many concerns related to public health and community well-being need to be mitigated with backyard flocks to mitigate the spread of disease, manage waste, poultry pests, predators, Noise, and odor.

7.1 Household Birds

A Person may Keep in a Dwelling Unit or on a Premises within the City, not more than a total of six (6) of any combination of: domestic cardinals, finches, budgies, bulbuls, canaries, tanagers, amazons, cockatoos, onures, macaws, parakeets, cockatiels, lorikeets, touracos, toucans, orioles, mynahs, magpies, barbets, ascaris, pied hornbills or cock-of-the-rocks, provided same are housed and kept in an escape proof enclosure.

7.2 Hens

- 7.2.1 No Person shall Keep more than three (3) Hens on a Premises zoned 'residential' within the City, and such Person ensures that:
- a) The Hens are confined in either a Hen Coop or Hen Run; and the Hens are kept in the Hen Coop between 9:00 p.m. and 6:00 a.m.
 - b) The Owner of the Hens resides on the property where the Hens are kept.
 - c) Each Hen is provided with adequate food, water, shelter, light, ventilation, veterinary care, and opportunities for essential behaviours such as scratching, dustbathing, and roosting, all sufficient to maintain the Hen in good health.

7.3 Hen Coop Construction Requirements

- 7.3.1 Any Hen Coop which is erected, used, or maintained for the housing of Hens must:
- a) have interior walls which are smoothly finished and painted.
 - b) be constructed in such a manner as to prevent the escape of the Hens;
 - c) provide each Hen with at least 0.37 m² of Coop floor area;
 - d) be equipped with at least one perch of not less than 15 cm in length and one nest box for each Hen.

7.4 Hen Coop Maintenance Requirements

- 7.4.1 Every Owner of any building which is erected, used, or maintained as a Hen Coop for the housing of Hens shall be maintained as follows:

- a) In a clean condition and free of noxious odours, substances and vermin;
- b) All refuse and waste matter from the Hen Coop must be disposed of in a proper and sanitary manner and no such refuse or waste matter shall be burned or stored.

7.5 Hen Run Requirements

- 7.5.1 Every Owner of a Hen Run shall ensure that it is:
- a) constructed in such a manner as to prevent the escape of the Hens.
 - b) maintained in a clean condition and kept free of noxious odours, substances, and vermin.
 - c) of sufficient size to provide at least 0.92 m² per Hen.
 - d) provided with a floor of any combination of vegetated or bare earth.

7.6 Compliance with Zoning Requirements

- 7.6.1 Any Hen Coop or Hen Run which is erected, used, or maintained for the housing of Hens must not be:
- a) located in any front, side or flank yard as described in the Zoning By-law.
 - b) located less than 1.2 metres from the Lot Line.

7.7 General Prohibitions

- 7.7.1 Home slaughter of Hens is prohibited, and any deceased Hens shall be disposed of at a proper livestock disposal facility.
- 7.7.2 No Owner shall cause or permit their Hen to become a public nuisance by persistently clucking. No Owner shall cause or permit his or her Hen to violate the Noise By-law.
- 7.7.3 No Owner shall cause or permit their Hen to be At Large.
- 7.7.4 No Person shall Keep a rooster over the age of 12 weeks.

8. Section 8 – Regulations – Animals other than Dogs, Cats or Prescribed Birds

8.1 General Prohibitions

- 8.1.1 No person shall Keep any Animal other than a Dog, Cat, Prescribed Bird, or prescribed Animal within the City.

- 8.1.2 Nothing herein shall give any Person any right to Keep Animals where such is prohibited by the Zoning By-law.
- 8.1.3 In the event that any setback requirements set out herein are inconsistent with the requirements set out in the Zoning By-law, the requirements of the by-law which are more restrictive shall prevail.

8.2 Rabbit – Keeping

Notwithstanding Section 8.1, a Person may Keep not more than six (6) rabbits over the age of eight (8) weeks in any Dwelling Unit or Premises in the City, provided such Person ensures:

- a) that any rabbit routinely kept outside is kept in a rabbit hutch:
 - i. constructed in such a way as to prevent escape by the rabbit;
 - ii. not located in any front or flank yard as described in the Zoning By-law; and,
 - iii. located at a distance of not less than 1.2 metres from the Lot Line.
- b) all refuse and waste matter from any rabbit hutch is disposed of in a proper and sanitary manner and no such refuse or waste matter is burned or stored.

8.3 Mice, Rats, Guinea Pigs, Hamsters, Gerbils, Ferrets

- 8.3.1 Notwithstanding Section 8.1, a Person may Keep in a Dwelling Unit or on the Premises in the City, not more than a total of six (6) of any combination of mice, rats, guinea pigs, hamsters and gerbils, provided same are housed and Kept in an escape proof enclosure.
- 8.3.2 Notwithstanding Section 8.1, a Person may Keep in a Dwelling Unit or on the Premises in the City, not more than two (2) ferrets, provided the ferrets are housed and kept in an escape proof enclosure.

8.4 Snakes, Lizards

- 8.4.1 Notwithstanding Section 8.1, a Person may Keep in a Dwelling Unit or on the premises in the City, not more than two (2) non-venomous snakes and two non-venomous lizards provided same are housed and kept in an escape proof enclosure.
- 8.4.2 No person shall carry or display a snake on any highway or in any public place or other place to which the public is customarily admitted except in accordance with Sec 8.4.3 and 8.6.4.
- 8.4.3 A snake may be carried or displayed in:
 - a) an educational institution or research facility where such animals are housed or studied;

- b) an educational or entertainment display, including a circus or zoo, that is supervised at all times by a qualified handler;
- c) a veterinary hospital or clinic;
- d) the premises of a pet store.

8.4.4 Every Person who needs to transport or carry a snake on any highway or in any public place or other place to which the public is customarily admitted shall, while it is being carried or transported, confine the snake in a cloth bag which has been placed inside a box made of durable material with a lid that has been fastened securely, provided that the animal has sufficient air to breathe.

8.5 Horses, Domestic Fowl, Cattle, Goats, Swine, Mink, Sheep and Mules

Notwithstanding Section 8.1, a Person may Keep horses, domestic fowl, cattle, goats, swine, mink, sheep or mules or similar livestock, provided such are kept on a property appropriately zoned for such purpose by the Zoning By-law.

9 Section 9 – Kennels

9.1 Licensing

The Owner of a Kennel shall pay annually to the City, or its authorized agent, on or before the 1st day of January in each year, a license fee for his or her Kennel in accordance with in the City's current Departmental User Fee and Service Charges By-law., as amended, and shall receive a Kennel License for the current year.

9.2 Kennels Exempt from Tag Requirements

Subject to Section 9.4, where the Owner of a Kennel has complied with subsection 9.1, they are not required to cause each Dog, or Cat kept at their Kennel to be registered with and licensed by the City.

9.3 Requirement to Register Owner's Pets

Owners of a Kennel shall register their own Dogs, Cats, or Animals in accordance with Section 3. The registration fee is included in the Kennel License fee. Dog(s) and Cat(s) registered in this manner shall be required to wear a Tag as prescribed by Section 4.

9.4 Kennel License

No Person shall operate a Kennel without a Kennel license.

9.5 Compliance with Zoning Regulations

No license shall be issued to any Kennel pursuant to the provisions of this By-law, unless the Kennel is in a location or an area in which Kennels are permitted by the applicable Zoning By-law, and unless the Kennel complies with all the requirements of that Zoning By-law.

9.6 Number of Animals Kept

No person shall keep more than the allowable number of Dogs or Cats under section 4.2.1 over twelve (12) weeks of age at any one location, unless a Kennel License has been issued to that Person for that location.

9.7 Construction Requirements

9.7.1 Every Person who operates a Kennel shall comply with the following requirements:

- a) the Kennel shall be in a separate building and shall not be attached to a building which is or can be used for human habitation.
- b) the Kennel building must conform to the Building Code Act and must be maintained in such a manner as to be free of damage.
- c) the Kennel building shall have a floor of concrete or other impermeable material and shall be equipped with a drain opening constructed as a plumbing fixture. Alternatively, Dogs may be kept in cages of size adequate to allow the Dog to extend its legs to their full extent, to stand or sit, to turn around or lie down in a fully extended position, and the cages shall be constructed solely of metal or wire or partly of wire and shall have metal or other impermeable bottoms.

9.7.2 The Kennel building shall have:

- a) windows which may be opened for proper ventilation.
- b) a heating system sufficient for the health, care and comfort of the Dogs, Cats, or Animals.
- c) Adequate plumbing and potable water.

9.8 Fence Requirements

Where Dogs are permitted to use an outside area, there shall be constructed around such area a fence having a height of at least 1.52 meters (5 feet); the wall of an adjacent building may be included as part of such fenced-in area. Such fence shall not be required where the outside area is more than 61 meters (200 feet) from the nearest limit of the property.

9.9 Annual Inspection

- 9.9.1 Every Kennel shall be subject to an annual inspection by the Animal Care & Control Officer, or by such other Person or agency as may be designated by Council, to ensure that the foregoing provisions of Section 9 are being adhered to in the operation of the Kennel, and a report in writing of each inspection shall be filed with the City. The fee for the initial inspection is included in the Kennel License fee set forth in in the City's current Departmental User Fee and Service Charges By-law.
- 9.9.2 Where such inspection reveals that the foregoing provisions of Section 9 are not being adhered to by the Kennel Owner, the Animal Care & Control Officer, or such other Person or agency as may be designated by Council, may suspend the Owner's Kennel License until the deficiencies found have been remedied.
- 9.9.3 An inspection fee shall be payable to the City, or its authorized agent, on each occasion that a further inspection of the Kennel is necessary to determine that the Kennel satisfies the provisions of Section 9. Fees for any further inspections within the year the Kennel License was purchased are included in the City's current Departmental User Fee and Service Charges By-law.
- 9.9.4 An inspection of a Kennel may be carried out more frequently than once each year when a reasonable complaint or complaints with respect to the operation of the Kennel have been received by the City.

9.10 Operate While Under Suspension

No Person shall operate a Kennel while their Kennel License is under suspension.

9.11 Authorized Issuer

- 9.11.1 Kennel licenses may be issued by Temiskaming Shores Animal Services upon receipt of an approved Kennel inspection report as set out in Appendix "4" to Schedule "A" of this By-law.
- 9.11.2 The application shall be submitted by the Animal Care & Control Officer or other agency or Person as designated by Council for approval by the City and other agencies within sixty (60) days from receiving a complete application.

10 Section 10 – Interfere

- 10.1 No Person shall interfere with, hinder, or harass an agent of the City of Temiskaming Shores in the performance of any duty of such agent, or seek to release any Dog, Cat, or Animal in the custody of the City, or its agents, except as herein provided.

- 10.2 No Person shall tamper, remove, or interfere with traps or equipment.
- 10.3 No Person shall refuse to produce any documents or things required by an agent in the exercise of a power or performance of a duty under this By-law, and every Person shall assist any entry, inspection, examination, or inquiry by an agent.
- 10.4 No Person shall knowingly furnish false information to an agent.

11 Section 11 – Exemptions

11.1 Police Dog Exempt

No part of this By-law shall apply to a Police Dog.

11.2 Hens in Agricultural Zones Exempt

No part of this By-Law shall apply to Owners of Hens kept in an area which is zoned "Rural" or "Agricultural" pursuant to the Zoning By-law and said Hens are kept for agricultural uses in accordance with their defined function.

12 Section 12 – Penalties

12.1 General Penalties

Any Person who contravenes, suffers or permits any act or thing to be done in contravention of, or neglects to do or refrains from doing anything required to be done pursuant to any provisions of this By-law or any permit or order issued pursuant thereto, commits an offence and except where specifically set out in Appendix "1" of Schedule "A" attached to and forming part of this By-law, shall be liable to a fine of not more than \$5,000 pursuant to the Provincial Offences Act, R.S.O., 1990, c. P. 33. Where an offence is a continuing offence, each day that the offence is continued shall constitute a separate and distinct offence.

13 Section 13 – Validity

If any section, clause, or provision of this By-law, is for any reason declared by a court of competent jurisdiction to be invalid, the same shall not affect the validity of the By-law as a whole or any part thereof, other than the section, clause or provision so declared to be invalid and it is hereby declared to be the intention that all remaining sections, clauses or provisions of this By-law shall remain in full force and effect until repealed, notwithstanding that one or more provisions thereof shall have been declared to be invalid.

The Corporation of The City of Temiskaming Shores
Appendix "1"
Part 1 Provincial Offences Act Set Fines
By-law No. 2023-122: Animal Care and Control By-law

Item	Column 1 Short form wording	Column 2 Offence creating provision or Defining offence	Column 3 Set fine
1	Fail to register Dog or Cat.	Sch. A, Section 3.2.1	\$100
2	Failure to Keep Tag securely fixed on Dog or Cat.	Sch. A, Section 4.1.1	\$50
3	Attaching a Tag to a Dog or Cat other than the Dog or Cat for which it was issued.	Sch. A, Section 4.1.4	\$100
4	Owner possesses more than the allowable number of Dogs, Cats, or the allowable combined total of Cats and Dogs.	Sch. A. Section 4.2.1	\$100
5	Allow a Dog or Cat to be At Large.	Sch. A, Section 4.3.1	\$150
6	Allow a Dog or Cat to be At Large on Private Property.	Sch. A, Section 4.3.2	\$150
7	Failure to ensure that a Dog or Cat is on a Leash.	Sch. A, Section 4.3.3.(a)	\$50
8	Failure to ensure that a <i>dog</i> or <i>cat</i> is on a <i>leash</i> of not more than 2 meters in length	Sch. A, Section 4.3.3.(b)	\$50
9	Failure to ensure that a Dog or Cat is on a Leash held by a Responsible Person.	Sch. A, Section 4.3.3(c)	\$50
10	Allow a Dog in a Dog Off-Leash Area without a Dog Tag, or history of vicious behaviour	Sch. A, Section 4.3.6	\$75
11	Allow a Dog or Cat to trespass.	Sch. A, Section 4.5	\$100
12	Failure to remove and dispose of excrement left by Dog, Cat, or Animal on roadway or highway	Sch. A, Section 4.6.1(a)	\$100
13	Failure to remove and dispose of excrement left by Dog, Cat or Animal in public park	Sch. A. Section 4.6.1(b)	\$100
14	Failure to remove and dispose of excrement left by Dog, Cat or Animal on Public Property.	Sch. A. Section 4.6.1(c)	\$100
15	Failure to remove and dispose of excrement left by Dog, Cat or Animal, Private Property other than Owner's Premises.	Sch. A. Section 4.6.1(d)	\$100
16	Failure to remove and dispose of excrement left by Dog, Cat or other Animal, Owner's Premises.	Sch. A. Section 4.6.2	\$100
17	Allow Dog, Cat, Animal, or Prescribed Bird to make noise.	Sch. A, Section 4.7.1	\$100
18	Bring Dog, Cat Animal into Animal Prohibited Area.	Sch. A. Section 4.8.1	\$100
19	Harbor a nuisance Dog, Cat, or Animal.	Sch. A, Section 4.9.1	\$150
20	Allow Dog, or Cat to attack or bite.	Sch. A, Section 5.1.1	\$500
21	Fail to muzzle a Vicious Dog, Owners' Premises.	Sch. A, Section 5.1.5.(a)	\$250

22	Fail to ensure that a Vicious Dog is securely leashed Owners Premises.	Sch. A, Section 5.1.5.(b)	\$250
23	Fail to ensure that a Vicious Dog is confined within a secured structure in a good state of repair.	Sch. A, Section 5.1.5.(c)	\$250
24	Fail to post a warning sign in a conspicuous location.	Sch. A, Section 5.1.5.(d)	\$250
25	Fail to ensure that a Vicious Dog is securely leashed.	Sch. A, Section 5.1.6.(a)	\$250
26	Fail to muzzle a Vicious Dog not on Owner's Premise	Sch. A, Section 5.1.6.(b)	\$250
27	Fail to report change of Ownership or location of a Vicious Dog.	Sch. A, Section 5.1.7	\$200
28	Fail to perform trapping in a humane manner.	Sch. A, Section 6.4.1 (a)	\$200
29	Set prohibited size trap.	Sch. A, Section 6.4.2 (a)	\$50
30	Set prohibited lethal trap.	Sch. A, Section 6.4.2 (b)	\$200
31	Owner possesses more than the allowable number of household birds.	Sch. A, Section 7.1	\$100
32	Owner possesses more than the allowable number of Hens.	Sch. A, Section 7.2.1	\$100
33	Owner fails to confine Hens in Coop between 9:00 pm and 6:00 am.	Sch. A, Section 7.2.1 (a)	\$100
34	Owner fails to maintain Hen Coop.	Sch. A, Section 7.4.1	\$100
35	Owner fails to maintain Hen Run.	Sch. A, Section 7.5.1	\$100
36	Allow Hen to make Noise.	Sch. A, Section 7.7.2	\$100
37	Allow Hen to be At Large.	Sch. A, Section 7.7.3	\$100
38	Person Keep a rooster.	Sch. A, Section 7.7.4	\$100
39	Keep Animal other than Dog, Cat, Prescribed Bird or prescribed Animal	Sch. A, Section 8.1.1	\$500
40	Owner possesses more than the allowable number of rabbits.	Sch. A. Section 8.2	\$100
41	Owner possesses more than the allowable number of non-venomous snakes and/or non-venomous lizards	Sch. A. Section 8.4.1	\$100
42	Display snake in a public place.	Sch. A. Section 8.4.2	\$100
43	Operate Kennel while suspended.	Sch. A. Section 9.10	\$400
44	Interfere with agent.	Sch. A. Section 10.1	\$300
45	Interfere with equipment.	Sch. A. Section 10.2	\$200
46	Fail to produce documents to agent.	Sch. A. Section 10.3	\$100
47	Furnish false information to agent.	Sch. A. Section 10.4	\$100

Note: The general penalty provision for the offences above is Section 12.1 of By-law No. 2023-122, a certified copy of which has been filed.

The Corporation of The City of Temiskaming Shores
Appendix "2" Animal Prohibited Area

	Name	Address or Location
1	New Liskeard Public School	141 Dymond Avenue
2	Temiskaming District Secondary School	90 Niven Street North
3	Ecole Catholique St- Michel	998075 Highway 11 North
4	Ecole Catholique Ste-Croix	304 Rorke Avenue
5	École Secondaire Catholique Ste-Marie	340 Hessle Street
6	Ecole publique des Navigateurs	39 Hessle Avenue
7	English Catholic Central School	245 Shepherdson Road
8	Haileybury Beach	East of the STATO trail and within the confines of the breakwall. This includes all sand, grass, structures, and docks within this boundary. West of the building, includes all sand, grass, the wading pool and playground. The wooden deck is excluded from this ban.
9	New Liskeard Beach	Between the posted signage located adjacent to the culvert at the southwest end of the Pool Fitness Centre and the walkway east of the Pool Fitness Centre.
10	Algonquin Memorial Beach Park	Inside the marked playing surface of the soccer fields, baseball diamonds, skatepark, and horseshoe pits.
11	Rotary Farr Park	Inside the marked playing surface of the soccer fields, baseball diamonds, and shuffleboard court.
12	Mount Pleasant Cemetery	Morissette Drive and Meridian Avenue
13	Farr Historic Cemetery	Cobalt Street
14	Valleyview Cemetery	177150 Shepherdson Road
15	Pioneer Cemetery	High Street and Whitewood Avenue
16	Haileybury Catholic Cemetery	Meridian Avenue
17	North Cobalt Catholic Cemetery	Groom Drive
18	Moore's Cove Catholic Cemetery	Lakeshore Rd South
19	New Liskeard Catholic Cemetery	Dawson Point Road and Peters Road
20	Cobalt Veterans Cemetery	Morissette Drive
21	Silverland Cemetery	Hwy 11B between Haileybury and Cobalt
22	Temiskaming Shores Rotary Splash Pad	New Liskeard Waterfront next to the Spurline Building on Fleming Drive

The Corporation of The City of Temiskaming Shores
Appendix "3" Dog Off-Leash Areas

	Name	Address
1.	Laroque's Field	Cobalt Street
2.	Murray Daniels Field	Lakeview Avenue

The Corporation of The City of Temiskaming Shores
Appendix "4" Kennel License Application

Please complete the following information as thoroughly as possible such that a proper evaluation can be conducted. The completed application and related documentation should be mailed or returned to the above noted address. Use additional paper if needed.

For Office use only	
File No.:	BA-20_____ - _____
Roll No.:	54 – 18 -
Address:	

Name of Applicant: _____

Mailing Address: _____

Phone No.: _____ Email: _____

PROPERTY DESCRIPTION: Are You the Owner? ☐ Yes ☐ No

Street Address: _____

Lot Frontage: _____ Lot Depth: _____

PROPOSED KENNEL INFORMATION

Please indicate which of the following best describes municipal services required in your operation.

☐ Class 1 Limited services required (i.e., washroom for public use).

☐ Class 2 Services required (i.e., sinks for washing, cleaning, etc.).

Indicate number of employees in relation to the proposed Kennel business: _____

Number of commercial vehicles: _____ Describe: _____

How many off-street parking spaces are available? (10ft x 20 ft/space): _____

Will you be using signage? ☐ No ☐ Yes

If YES, attach a separate sheet indicating the dimensions, wording, height, in relation to the ground, and location on the site plan.

Will both sides of the sign be used? ☐ No ☐ Yes

Give a brief description of the proposed Kennel:

Proposed hours of operation (indicate "Closed" if not open on certain days):

Day	Hours	Day	Hours
Monday	_____	Friday	_____
Tuesday	_____	Saturday	_____
Wednesday	_____	Sunday	_____
Thursday	_____	Holidays	_____

The addition of a Kennel under the Building Code is considered a change of use and therefore requires the issuance of a building permit.

Has the Building Department been consulted on this matter? ☐ No ☐ Yes

CHECKLIST: The Following Documents must accompany this application:

- ☐ Property Site Plan showing lot lines, location and dimensions of all structures, parking spaces, entrances, proposed sign location and fence enclosures.
- ☐ Interior Floor Plan indicating dimensions and location of all rooms associated with the proposed Kennel License, including storage areas, cages or floor drains, ventilation, heating system, water access.

Declaration of Applicant

I _____ certify that:
(Print Name)

- 1.The information contained in this application, the attached schedules, plans, specifications, and other documentation is true to the best of my knowledge.
2. I have authority to bind the corporation or partnership (if applicable).

Date

Signature of Applicant

Declaration of Owner

I _____ certify that:
(Print Name)

1. I am the legal Owner of the property described on this application, and
2. I have authority to bind the corporation or partnership (if applicable), and
3. I hereby authorize _____ to act as my agent with respect to this application for a Kennel License.
(Print Name)

Date

Signature of Applicant

The Corporation of the City of Temiskaming Shores

By-law No. 2023-143

Being a by-law to confirm certain proceedings of Council of The Corporation of the City of Temiskaming Shores for its Regular meetings, Special meetings and Committee of the Whole Meetings

Whereas under Section 8 of the Municipal Act, 2001, S.O. 2001, c.25, as amended, the powers of a municipality shall be interpreted broadly to enable it to govern its affairs as it considers appropriate and to enhance the municipality's ability to respond to municipal issues; and

Whereas under Section 9 of the Municipal Act, 2001, S.O. 2001, c.25, as amended, a municipality has the capacity, rights, powers and privileges of a natural person for the purpose of exercising its authority under this or any other Act; and

Whereas under Section 10 (1) of the Municipal Act, 2001, S.O. 2001, c.25, as amended, a single-tier municipality may provide any service or thing that the municipality considers necessary or desirable for the public; and

Whereas it is the desire of the Council of The Corporation of the City of Temiskaming Shores to confirm proceedings and By-laws.

Now therefore the Council of The Corporation of the City of Temiskaming Shores hereby enacts the following as a by-law:

1. That the actions of the Council at its Regular meeting held on **December 19, 2023**, with respect to each recommendation, by-law and resolution and other action passed and taken or direction given by Council at its said meeting, is, except where the prior approval of the Ontario Municipal Board is required, hereby adopted, ratified and confirmed.
2. That the actions of the Council at its Committee of the Whole meetings held on **April 4, 2023, May 2, 2023, June 6, 2023, July 11, 2023, August 8, 2023, September 5, 2023, October 3, 2023, November 7, 2023, and December 5, 2023**, and at its Special Committee of the Whole meeting on **November 28, 2023**, with respect to each recommendation, by-law and resolution and other action passed and taken or direction given by Council at its said meeting, is, except where the prior approval of the Ontario Municipal Board is required, hereby adopted, ratified and confirmed.
3. That the Mayor, or in his absence the presiding officer of Council, and the proper officials of the municipality are hereby authorized and directed to do all things necessary to give effect to the said action or to obtain approvals where required, and except where otherwise provided, the Mayor, or in his absence the presiding officer, and the Clerk are hereby directed to execute all documents required by statute to be executed by them, as may be necessary in that behalf and to affix the corporate seal of the municipality to all such documents.

Read a first, second and third time and finally passed this 19th day of December, 2023

Mayor

Clerk