BOARD OF GOVERNORS

Meeting
Friday, June 20, 2025

OPEN SESSION: 1:30 p.m. – 3:10 p.m.

AGENDA

1. **Welcome and Adoption of Agenda** D. Kirk, Chair
   Declaration of Conflicts of Interest (if any)

   "The Board respectfully acknowledges that we are on the treaty and traditional territory of the Mississauga Anishinaabeg. We offer our gratitude to First Peoples for their care for, and teachings about, our earth and our relations. May we honour those teachings."

2. **Consent Agenda** Chair

   Draft motion:
   That the Consent Agenda be approved [as presented or as amended]

   2.1. Approval of Minutes
   Open Session, May 9, 2025 (for approval) (pg. 3)
   2.2. Financial Update (for information) (pg. 8)
   2.3. Capital Projects Update (for information) (pg. 15)
   2.4. Trent Lands and Nature Areas Plan Update (for information) (pg. 20)
   2.5. Annual Report on Sexual Violence (for information) (pg. 26)
   2.6. Annual Report from the Equity & Human Rights Office (for information) (pg. 37)
   2.7. Annual Report on Quality Assurance (for information) (pg. 41)
   2.8. Senate Report to Board of Governors (for information) (pg. 44)
   2.9. Investment Performance Summary (Windup Surplus and VER funds) – Q1 (for information) (pg. 47)
   2.10. Investment Performance Summary Endowment/Sinking Fund – Q1 (for information) (pg. 56)
   2.11. Annual Report on distribution from Endowment Fund (for information) (pg. 78)

3. **Chair's Remarks** Chair

4. **President's Report** C. Bruce

5. **2024/2025 Year-end Appropriations** M. Lavallée /VP Al-idrissi
Report (for approval) (pg. 83)

Draft motion:
That the Board of Governors approve the year-end appropriations in the amount of the 2024/2025 operating surplus, currently estimated at $2.8 million, be added to the operating pressures contingency appropriation as recommended by senior management.

6. **Trent Farm Research Centre Master Plan** President/ I/VP Skinner
Report (for approval) (pg.86)

Draft Motion:
That the Board of Governors approve the Trent Farm Research Centre Master Plan.

7. **Alumni Engagement & Services Update** VP Davis**/** N. Handley
Report (for information) (pg. 205)

Draft Motion:
That the Board of Governors receive this report for information.

8. **Annual Report on Philanthropy** President/VP Davis/
Report (for information) (pg. 217) AVP Booth

Draft motion:
That the Board of Governors receive this report for information.

9. **Mental Health Framework** VP Williams/ AVP Lam
Verbal Report (for information)

Draft Motion:
That the Board of Governors receive this report for information.

12. **Meeting Adjournment** Chair

Board of Governors

Minutes of the Meeting – Open Session

Oshawa, May 9, 2025

Present – In Person: D. Kirk (Chair), F. Baban, G. Beggs, C. Bruce, Y. Craig, D. de Launay, J. González Güel, E. Kaszecki, M. Lavallée, V. Lovekin, J. McGarrity, J. McKenna, U. Mrabure, P. Norman, A. Ramsay, H. Uluorta, (Vice-President, Finance & Administration) T. Al-idrissi, (Vice-President, Communications & Enrolment) M. Burns, (Vice-President, External Relations & Development) J. Davis, (Interim Vice-President, Trent Durham) S. Henderson, (Vice-President, Human Resources) S. Williams, (Associate Vice-President, Finance) C. Turk, (University Secretary) B. Blackburn, (Coordinator, Board & Senate Support) T. Edwards, R. Hall (Recording Secretary).

Regrets: T. Gervais, E. Hanna, K. Honey, K. Scaldwell

[The Secretary confirms that quorum was present for this meeting.]

1. **Welcome and Adoption of Agenda.** The Chair called the Open Session of the meeting to order at 1:03 p.m. Hearing no amendments to the agenda, and no conflicts of interest declared, it was moved/seconded (Beggs/Craig),

   That the Board approve the agenda as presented. Carried

2. **Consent Agenda.** It was moved/seconded (McGarrity/Lovekin),

   That the consent agenda be approved as presented. Carried

   2.1 Approval of Minutes. The Open Session minutes of March 28, 2025, were approved as presented.
   2.2 Fighting Against Forced Labour and Child Labour in Supply Chains Act Annual Report. Approved as presented.
   2.3 Annual Report on Education Materials. Approved as presented.
   2.4 Financial Update. Received for information.
   2.3 Capital Project Update. Received for information.

3. **Chair's Remarks.** The Chair reminded Governors of the invitation to attend convocation ceremonies in the weeks of June 2nd and June 9th, encouraging their attendance.

4. **President's Report.** The President reported on various events and activities since the last meeting, including:

- The Ministry of Colleges, Universities, Research Excellence and Security approved the new B.A. and B.Sc. in Artificial Intelligence program, with the B.A. program being the first in Canada.
- Durham Research Day took place on March 21, with 30 presentations from students, faculty and alumni.
- Distinguished Scholars dinner welcomed 50 potential students and their guests. The event had a strong faculty and staff turnout, and positive feedback was received from families with some students accepting their offers on the spot.
- The Trent Durham Business Case Challenge was held on March 27 where Master of Management Students proposed innovative approaches to market intelligence for local small and medium-sized enterprises.
- Governor Emeriti Armand La Barge led a guest lecture at Trent Durham in March speaking on diversity, justice and human rights in policing
- Governor Emeriti Harvey McCue recently received the Lifetime Achievement Award from Indspire.
- Trent Durham 50th Anniversary event held on April 6.
- Recognized faculty leadership in teaching and research at the annual Celebration of Faculty Excellence on April 30.
- Honored staff and faculty commitment at the Heart of Trent event on May 7, which included the presentation of King Charles III Coronation Medals and Eminent Service Awards.

5. 2025/2026 Budget - Update. Governor Lavallée was pleased to report that the province recently announced a multi-year investment in STEM funding, of which Trent would receive $12.7M per year for the duration of SMA4. Additionally, Trent received one-time funding of $1.79M from the Postsecondary Education Sustainability Fund. As a result of the funding, SMA4 has been split into two phases, with the first phase having been signed by the President. Work continued on the second phase of SMA4.

VP Al-idrissi recalled that the Board had approved the 2025/2026 operating budget at the previous meeting with a projected operating deficit of $16.1M, which was to be mitigated by unspent postgraduate certificate funds and a draw down on the operating pressures contingency. Administration and the Finance & Property Committee were now presenting a revised budget for approval taking into account the increased funding. The revised operating budget for 2025/2026 is nearly balanced and projected deficits in future years are significantly reduced. It was noted that while the increased funding is welcome and addresses some of the University's concerns, although Trent still faces continued pressures. VP Al-idrissi reported that the three working groups (Enrolment Task Force, Cost Containment and Reduction, and Revenue Generation) are continuing their work, in an effort to protect the operating pressures contingency over the next three years. A Governor recalled that budget developers went through an exercise to cut budgets and asked

if any of the budgets will be restored in light of the funding. In response, it was stated that the budget cuts remain unchanged resulting in there being less of a draw on the contingency, which will be important in the coming years. It was recommended that this change in funding be communicated to the Trent community.

It was moved/seconded (Ramsay/Norman),

That the Board of Governors approve the revised 2025/2026 Operating budget based on investments from the Ministry of Colleges, Universities, Research Excellence and Security, as outlined in this report. Carried

6. **Declarations of Trust Report.** The Chair recalled that the Board established the Trust Committee in 2023 to provide structure and oversight of the various endowments. The sole focus of the Committee is to ensure the purpose of spending is respected while the Audit & Investment Committee monitors the returns. The Committee met on April 14, 2025, to review the disbursements from the 19 funds held under the Declaration of Trust. Following their review, the Committee attested that all spending was for the purposes laid out for each endowment.

   It was moved/seconded (de Launay/McGarrity),

   That the Board of Governors approve the Trust Committee's annual report attesting that the purposes established in the trust have been respected in the disbursements. Carried

7. **Annual Review of Special Resolution II.6 – SIP&P Endowment Fund.** Chair of the Audit & Investment Committee, Governor McGarrity, presented updates to Special Resolution II.6. A change to the benchmark used for Canadian Real Estate allocation was being recommended, specifically it was being proposed to replace the current return objective of 6% with the MSCI/REALPAC Canada Quarterly Property Fund Index, the leading market benchmark for directly held core real estate investments in Canada. This change will better reflect actual market performance and enhance transparency while aligning with institutional best practices and improve the Committee's ability to monitor investment performance. All other revisions were minor in nature.

   It was moved/seconded (Beggs/Craig),

   That the Board of Governors approve the revisions to Special Resolution II.6 Statements of Investment Policies and Procedures – Trent University Endowment Fund, as presented. Carried

8. **Annual Review of Special Resolution II.12 – Debenture Long-Term Sinking Fund Policy.** Governor McGarrity presented the updated policy noting the significant change being to replace the current return objective of 6%with the MSCI

REALPAC Canada Quarterly Fund Index, consistent with the changes just approved to Special Resolution II.6. All other revisions were minor in nature.

It was moved/seconded (Craig/Beggs),

That the Board of Governors approve revisions to Special Resolution II.12 Statement of Investment Policies and Procedures – Trent University Long-Term Sinking Fund, as presented. Carried

9. **Special Resolution III.7 – Governor Emeritus.** Governor Lovekin, as Chair of the Nominating & Governance Committee, outlined the revisions to Special Resolution III.7. The proposed revisions included a clarification of eligibility, updating reference to where the honour is conferred to align with current practice, removed reference to notice of open meetings, and other small housekeeping changes. Governor Lovekin added that the Committee has been working on establishing a more regular review schedule for Board policies.

   It was moved/seconded (McGarrity/McKenna),

   That the Board of Governors approve the revisions to Special Resolution III.7 – Governor Emeritus as presented. Carried

10. **Special Resolution IV.2 – Records of the Board.** Governor Lovekin presented the proposed revisions to Special Resolution IV.2. The revisions focused on adding information on how to access open session records and regarding the transfer of records to archives. All other changes were minor in nature. It was suggested that electronic archives be considered, which has been discussed between the Secretariat and Archives staff.

    It was moved/seconded (McGarrity/Norman),

    That the Board of Governors approve the revisions to Special Resolution IV. 2 – Records of the Board, as presented. Carried

11. **Mission & Vision Update.** The President provided an update on the Mission & Vision exercise she has undertaken as one of her Board approved goals. Feedback has been collected through a survey, listening sessions, student focus groups, student vision boards, and a survey. The President reviewed the feedback received to date, highlighting comments that stood out from each session/vehicle. With the listening phase coming to an end, the President was looking to bring in an external consultant to assist in generating the Mission & Vision. There was concern related to the hiring of a consultant, as such an exercise is deeply internal to the institution, and could lead to a statement that is not widely accepted. The President stated that she envisioned the consultants to review the feedback received and generate options for consideration, not simply one tagline. It was further added that a consultant can help the University to understand if its message is easy for those outside of the institution to understand and to consider if we are looking at mega

trends that we may be insulated from. Ultimately, the Mission & Vision will define the culture, incorporated into the leadership model and will keep everyone accountable.

Following discussion, it was moved/seconded (McKenna/McGarrity),

That the Board of Governors receive this report for information. Carried

12. **Community Relations Report (Durham).** VP Henderson presented an annual snapshot of the Trent Durham GTA campus, including information on community partnerships and involvement. Additionally, he provided an overview of the various experiential learning opportunities available to students. He reported that Trent Durham GTA is recognized as a leading institution in the region and they continue to build lasting relationships. VP Henderson commented on the recently 50th Anniversary celebration at Trent Durham GTA, which served as a way of commemorating the campus' past and commitment to the future. Many civic leaders, community partners, alumni, staff, and faculty came together for this event, providing an opportunity to introduce President Bruce to the community. There will be a symposium at the campus in the fall looking at tariffs, bringing in both local and national expertise, highlighting what Trent has to offer the region.
13. **Meeting Adjournment.** The open session of the meeting was adjourned at 2:34 p.m.

Brenda Blackburn
University Secretary

Doug Kirk
Chair

Board Report

Session: ☐ Closed Session; ☒ Open Session

Action Requested: ☐ Decision; ☐ Discussion/Direction; ☒ Information

To: Board of Governors
Date: June 20, 2025
Presented by: Mike Lavallée, Chair, Finance & Property Committee
Tariq Al-idrissi, VP Finance and Administration

Subject: **Financial Update to April 30, 2025 (Pre-audit)**

Motion for Consideration (if applicable):

That the Board of Governors receive updated information on Trent's financial operating performance.

Executive Summary:

The 2024/2025 Operating Plan, which was essentially balanced, estimated total enrolment would increase from the previous year by 2.9% to a total of 13,658 full-time equivalents (FTEs). Given the uncertainties regarding international enrolment, the operating budget conservatively included a provision of $10 million for possible lost international net tuition revenue.

Based on the final February 1, 2025 enrolment count, actual enrolment decreased to 13,205.9 FTEs or 3.3% less than planned. This decrease in FTEs, which is primarily driven by decreased international enrolment and post-graduate certificates (PGCs), resulted in approximately $14.7 million loss of net tuition revenue in 2024/2025, which is $4.7 million more than the provision in the operating budget.

The loss of net tuition revenue is offset by higher-than-expected interest income of $3.0 million, Trent’s allocation of $1.5 million in Post-secondary Education Sustainability Funding (PSESF) announced by the Ministry in June 2024 and $2.1 million in nursing and other grants (not known at the time of budget planning), and unspent departmental budgets.

Preliminary financial results indicate Trent has a positive financial position of $2.8 million before year-end university appropriations. An overview of Trent's preliminary operating financial position as of April 30, 2025, is attached. <u>These projections are subject to change once year-end adjustments, including any approved University appropriations, are finalized and the year-end audit is completed.</u>

Analysis/Alternatives Considered:

The Financial Update is intended to provide an overview of the preliminary financial results of operations for the fiscal year end to April 30, 2025. The initial financial performance indicates a favourable variance when compared to budget. These results are pre-audit, subject to final year-end adjustments, and are before accounting for any year-end one-time appropriations.

Cash on Hand: Cash on hand at April 30, 2025, was $69.1 million compared to $88.9 million in cash on the same date in 2024. The cash balance at April 30, 2025, is comprised of approximately $29.5 million (2024 - $30.8 million) in restricted funds (externally funded trust, research and fundraising) and $39.6 million (2024 - $58.1 million) in unrestricted cash. This unrestricted balance represents approximately 2.2 times the normal total monthly cash requirements for the University.

Operating Line of Credit: The University has available an operating line of credit of $6 million, which increases to $12 million twice a year to offset periods of lower cash inflows. The interest rate on the operating line of credit, when drawn, is the bank's prime lending rate and amounts are repayable on demand. The University is not currently using this line of credit.

Short Term Investments: In addition to the cash on hand noted above, the University has $80.0 million (2024 - $70.0 million) invested in multiple short-term GICs to maximize investment income on excess cash. These short-term investments are invested in $5.0 million increments earning between 3.75% to 4.63% with maturity in June and September 2025, January, February and April 2026 to ensure liquidity should some or all this excess cash be required for operations.

Operating Projection:

The Board-approved operating budget for 2024/2025 was essentially balanced. The budget estimated total enrolment would increase from the previous year by 2.9% to a total of 13,658 full-time equivalents (FTEs) (13,275 FTEs in 2023/2024). The enrolment growth was expected to generate increased tuition revenues despite frozen domestic tuition rates and fixed government grants to allow for new investments to address growing enrolment, enhance student supports, maintain institutional capacity and achieve other strategic priorities. Given the uncertainties regarding the impact of the Federal government’s cap on international student study permits, the operating budget conservatively included a provision of $10 million for possible lost international net tuition revenue.

Based on the final February 1, 2025 enrolment count, actual enrolment decreased to 13,205.9 FTEs or 3.3% less than planned. This decrease in FTEs, which is primarily driven by decreased international enrolment and post-graduate certificates (PGCs), resulted in approximately $14.7 million loss of net tuition revenue in 2024/2025, which is $4.7 million more than the provision in the operating budget.

Government Grant revenue is higher than expected as Trent received $1.5 million in one-time Post-secondary Education Sustainability Funding (PSESF) announced by the Ministry in June 2024. Trent also received $1.1 million of Nursing Clinical Education Grant announced by the Ministry in November 2024 and other special grants of $0.5 million not known at the time of budgeting. These financial statements also include an estimated receivable for $0.5 million in additional nursing and special grants still to be confirmed.

Trent received its results of its performance metrics for 2024/2025 under SMA3. While the University fell slightly short of the performance target in one of its metrics, Trent received additional funds on seven other metrics. (Funding recoveries from institutions are reallocated to other universities who exceeded their targets on a metric-by-metric basis). As a result, there will be a small recovery of funds in the amount of $20,722. Although immaterial, this recovery is reflected in this financial update.

Performance Metric	2023/2024 Notional Allocation	2023/2024 Actual Allocation	Additional Funds (Recovery)
Graduate Employment Rate in a Related Field	$ 678,236	$ 678,261	$ 25
Institutional Strength/Focus	$ 2,034,708	$ 2,034,960	$ 252
Graduation Rate	$ 678,236	$ 678,713	$ 477
Community/Local Impact of Student Enrolment	$ 3,391,178	$ 3,397,790	$ 6,612
Economic Impact (institution specific)	$ 2,712,944	$ 2,712,944	$ -
Research Funding and Capacity: Federal Tri-Agency Funding Secured	$ 678,236	$ 644,324	$ (33,912)
Experiential Learning	$ 1,356,472	$ 1,356,896	$ 424
Research Revenue Attracted from Private Sources	$ 678,236	$ 683,526	$ 5,290
Graduate Employment Earnings	$ 678,236	$ 678,236	$ -
Skills and Competencies	$ 678,236	$ 678,346	$ 110
Total Performance-Based Funding	**$ 13,564,718**	**$ 13,543,996**	**$ (20,722)**

With the ability to invest excess unrestricted cash on hand in short-term investments, interest income exceeded the amount budgeted by $3.0 million for the fiscal year. These financial statements also reflect approved departmental carryforwards and unspent departmental budgets due to in-year temporary faculty and staff vacancies and/or higher than planned cost recoveries.

Financial Implications:

Appendix B provides preliminary operating financial results, indicating Trent has a positive financial position of $2.8 million before year-end adjustments and university appropriations.

Enterprise Risk Assessment:

The financial health of the University is paramount to the University's overall success and ability to fulfill its academic mandate and meet student expectations. Monitoring in-year financial performance against the approved budget is critical to ensuring well-informed decision making regarding the allocation and use of limited resources, and mitigating strategies if financial loss is anticipated.

Next Steps:

The 2024/2025 financial statements of the University will be completed by the end of June 2025 and audited by our external auditors, KPMG LLP, in July 2025. The final audited financial statements will be presented to the Audit and Investment committee in September 2025 for review and recommendation for Board approval.

Alignment with Mission, Vision, Values, Strategic Plan:

To fulfill their responsibilities, Governors should be informed of the University's financial situation. Regular financial updates will maintain Governors' awareness of the University's current financial status and allow for input and oversight where needed. Such updates also allow for in-year decisions for strategic investments if possible, or mitigation strategies as necessary in alignment with Trent's mission to foster sustainability, in its environmental, social and economic dimensions and Trent's Strategic Plan to ensure that it is financially healthy and sustainable.

Consultation:

Not applicable

Compliance with Policy/Legislation:

Complying with a Board of Governors directive, the full Board will receive regular financial updates, through the Finance and Property Committee.

Committee/Board Mandate:

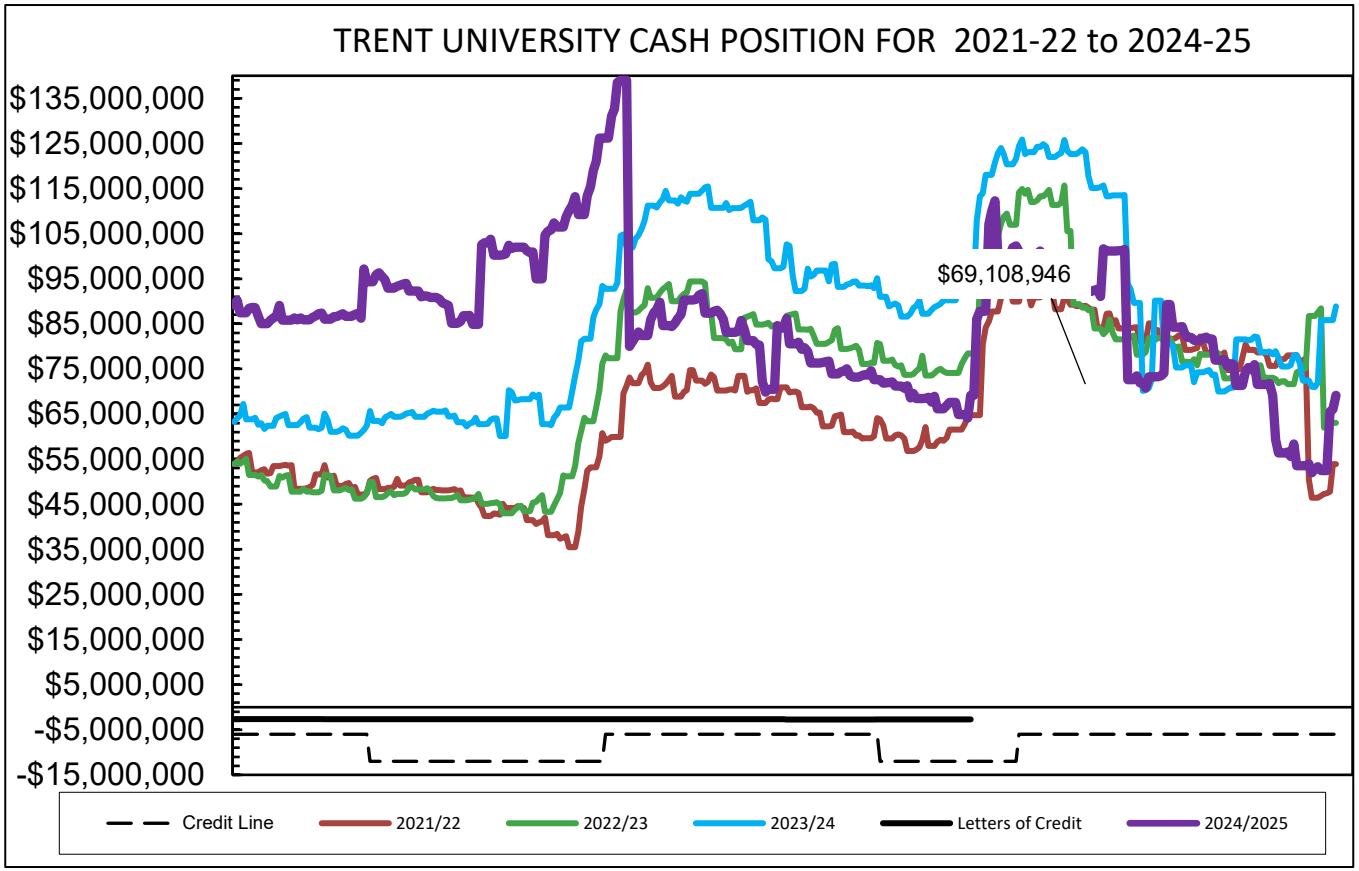
The Board of Governors is responsible for ensuring the financial health of the University and the proper management of its buildings, lands and capital projects. The Finance & Property Committee assists the Board in carrying out these responsibilities by monitoring the institution’s financial, property and capital affairs and making related policy recommendations.

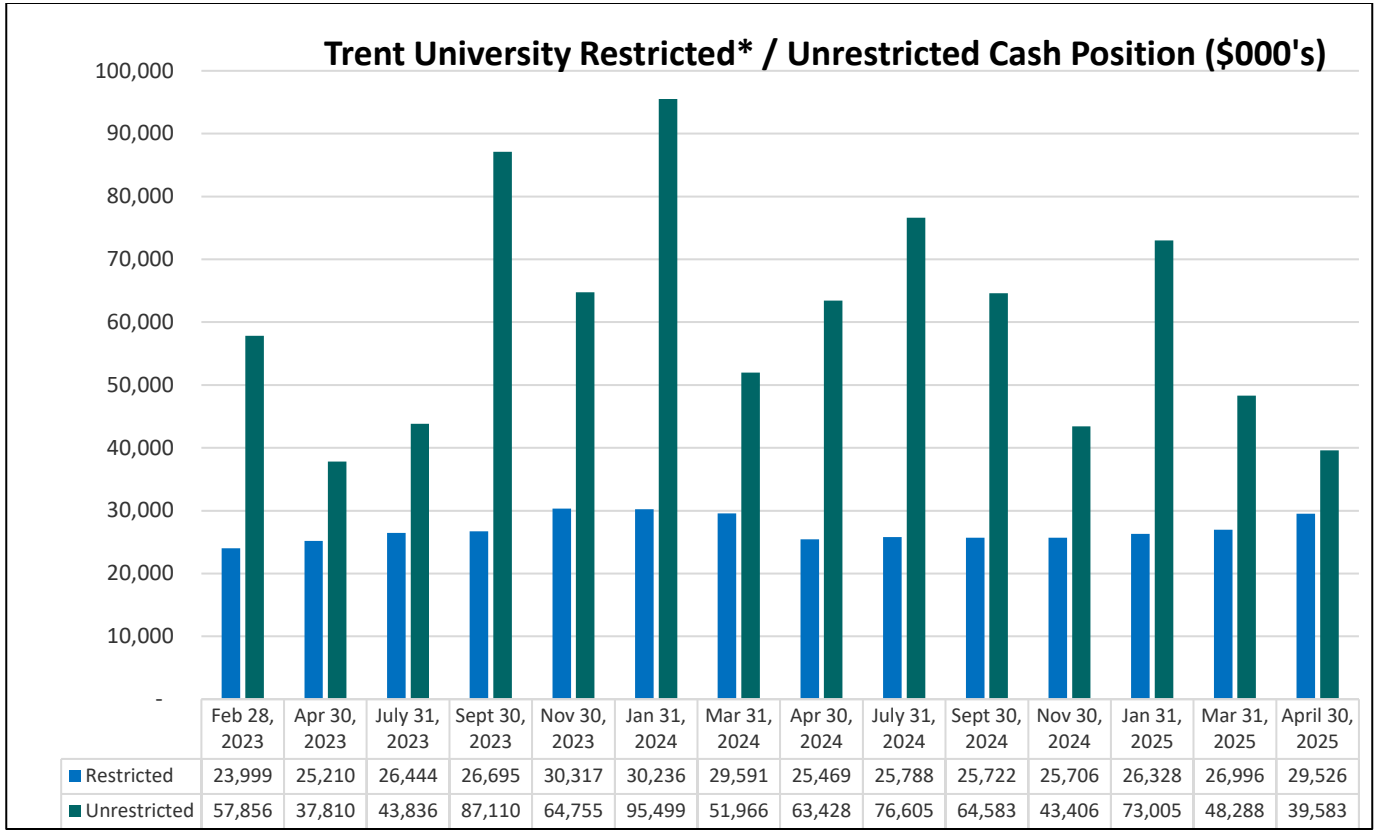
In its finance role, the Committee monitors budget projections and debt levels and recommends operating, ancillary and capital budgets for the approval of the Board of Governors. It recommends levels of student fees, spending authority, loans and lines of credit for Board approval. The Committee makes recommendations to the Board for the approval of any contract or purchase the total value of which exceeds the level of spending established for the President. The Committee may make financial policy recommendations to the Board including but not limited to policies on tuition and ancillary fees, banking, borrowing and purchasing. It may make recommendations to the Board concerning fiscal planning, internal financial controls or other areas affecting the financial health or accountability of the University. The administration may consult with the Committee on the subjects for internal audits and provide follow-up reports.

Supporting Reference Materials (attached):

Appendix A: Cash Position for the period ending April 30 2025 (Pre-audit)
Appendix B: 2024/2025 Operating Budget Projection as at April 30 2025 (Pre-audit)

Appendix A: Cash Position for the Period Ending April 30, 2025





	Feb 28, 2023	Apr 30, 2023	July 31, 2023	Sept 30, 2023	Nov 30, 2023	Jan 31, 2024	Mar 31, 2024	Apr 30, 2024	July 31, 2024	Sept 30, 2024	Nov 30, 2024	Jan 31, 2025	Mar 31, 2025	April 30, 2025
Restricted	23,999	25,210	26,444	26,695	30,317	30,236	29,591	25,469	25,788	25,722	25,706	26,328	26,996	29,526
Unrestricted	57,856	37,810	43,836	87,110	64,755	95,499	51,966	63,428	76,605	64,583	43,406	73,005	48,288	39,583

Appendix B:

TRENT UNIVERSITY
2024-2025 OPERATING BUDGET PROJECTION
($000s)
As of April 30, 2025 (Pre-audit)

	YTD ACTUAL	BOARD-APPROVED BUDGET	PROJECTION	ANTICIPATED VARIANCES
REVENUE				
Government grants	$ 58,094	$ 54,145	58,574	4,429
Tuition fees	141,702	162,539	141,702	(20,837)
Provision for tuition revenue loss	-	(10,000)	-	10,000
Miscellaneous revenue	9,267	5,230	8,112	2,882
TOTAL REVENUE	**$ 209,063**	**$ 211,914**	**$ 208,388**	**$ (3,526)**
EXPENSES				
Instructional staff	$ 86,110	$ 93,967	$ 86,110	$ 7,857
Non-instructional staff	66,683	63,227	66,994	(3,767)
Student Financial Aid	13,184	15,963	13,184	2,779
Non-staff expense	46,996	51,102	49,594	1,508
Total expense	$ 212,973	$ 224,259	$ 215,882	$ 8,377
Cost recoveries	(18,508)	(12,294)	(21,736)	9,442
TOTAL NET EXPENSE	**$ 194,465**	**$ 211,965**	**$ 194,146**	**$ 17,819**
EXCESS OF REVENUE OVER EXPENSE	**$ 14,598**	**$ (51)**	**$ 14,242**	**$ 14,293**
Change in Internally Restricted Assets & Endowment Transfers	7,304	250	(11,405)	(11,655)
EXCESS (DEFICIT) from University Operations	**$ 21,902**	**$ 199**	**$ 2,837**	**$ 2,638**

Board Report

Session: ☐ Closed Session; ☒ Open Session

Action Requested: ☐ Decision; ☐ Discussion/Direction; ☒ Information
To: Board of Governors
Date: June 20, 2025
Presented by: Mike Lavallée, Chair, Finance & Property Committee
Tariq Al-idrissi, Vice-President, Finance & Administration

Subject: **Capital Projects Update**

Motion for Consideration (if applicable):

That the Board of Governors receive the Capital Projects Update for information.

Executive Summary:

With the construction season upon us, the project management office has started construction on various projects to ensure that the projects can be completed promptly. Projects associated with critical infrastructure, heritage assets, and accessibility continue to be Trent's focus.

Discussion:

Facilities Renewal Program (FRP) – 2025/2026

The FRP funding supplements postsecondary institutions' programs that address ongoing needs for maintenance, repairs, renovations, and modernization of existing facilities. The FRP fund is for academic space improvements but can also improve campus access for students with disabilities. Consequently, a large volume of space on each Campus is not eligible for improvements through FRP funds.

Although Trent has not formally received the funding allocation from the province, initial suggestions implied the same funding for the sector. If the province is consistent in its approach, Trent will receive approximately $3 - $3.6 M. Trent's formal allocation of the total available funding is provided by July.

Below is the draft list for the upcoming program. To qualify for FRP funding, staff must complete the projects before March 31, 2026. The detailed project list will be finalized upon receipt of the official allocation from the province.

Table 1 – Draft Facilities Renewal Program Project List – 25/26

FRP 2024/25 PROJECTS	**Estimate**	**Status**
Building Envelope	$2,000,000	Planning/Design
Mechanical & Electrical Improvements	$360,000	Planning/Design
AODA Improvements	$485,500	Planning/Design
Total Estimated Expenses	$2,845,000	

Projects In Support of Gidigaa Migizi and the New Otonabee College Residence

New College Parking Lot

Progress on the new parking lots suggests that the project will be delivered as proposed. Two lots will be completed by mid-August 2025, and the third and final parking lot is slated for a completion date in June 2026. There may be an opportunity to deliver the final lot ahead of schedule.

When completed, the $7.4M project will create approximately 600 new parking spaces and replace the 250 spaces lost by the construction of the new college.

Science Workshop and Science Storage Relocation

The replacement of the new science workshop and storage facility will ramp up construction over the summer months. A temporary facility for science storage will be constructed at Pioneer Road and Nassau Mills Road until the new science storage is completed in 2028 and available for faculty in the new college.

The Heritage Committee was informed of the work being completed.

Combined, the projects will cost approximately $800k.

Realignment of East Bank Road

The realignment of East Bank Road at Nassau Mills Road to the Life and Health Sciences Complex is expected to begin throughout the summer. Access to the newly constructed parking area and pedestrian connectivity will be paramount to the overall institution's operation during the academic year. The realignment is needed to accommodate the grading challenges for the new Otonabee College residence and maintain an appropriate setback for the new college at Nassau Mills Road.

Bata Catwalk Bridge Deck Replacement (~$1.5M +)

Reconstruction of the Bata Catwalk is well under way. With demolition complete, putting the structure back in place has begun. Convocation will remain as a blackout period for

construction crews however the progress made to date will ensure that the structure will be open for the fall academic term.

Upgrades to the vestibule, will also be addressed with the reconstruction of the Catwalk. The Heritage Committee has been involved in the project throughout the process. The contractor, designer, and staff have also made design adjustments in recent weeks to improve the heritage components of the bridge. This was discussed with the Heritage Committee chairs.

Rehabilitation of the Faryon Bridge (~$800K +)

The Faryon Bridge renewal project was tendered, and the pricing received was well above the consultant's estimated value and the Institution’s budget. Administration is reviewing options to move the project forward. Alternatives may consider the project being extended over multiple years and likely above the expected two-year construction window.

Classroom Renovation and Academic Space Rehabilitation (~$500k)

A previously conducted space utilization study identified a deficiency in Trent's 70 to 100-seat classrooms and recommended combining smaller classes to address the need for larger space. Currently, in year 2 of 5, the combined upgrades include five larger spaces and upgrades to seminar rooms that have received little attention since they were first constructed.

The project management office, in collaboration with the registrar's office, will convert two smaller classes into one large class at Peter Gzowski College during this construction season. The project has been tendered and closed with construction costs coming in slightly under budget. This project must be completed before the upcoming fall term.

Additional renewals are proposed for Champlain College seminar rooms during this construction season.

Champlain College West (CCW) Quad Curtain Walls and Windows (~$2.2M +)

The contractor is progressing well and making every effort to complete the residence windows before students return to the dormitory. The initial work is slated for completion at the beginning of August. Some additional work has surfaced, however, it will not have an impact on the project budget or schedule.

Administration has met with the Heritage Committee Chairs, who recommended that the work continue as planned.

Additional Ongoing Projects

The following projects will be the focus of the project management office over the upcoming construction season.

- Demolition of unused buildings – (two demolitions **completed**) $300K
- Sciences Greenhouse Replacement – (ongoing) $300K
- Bata Vestibule – (ongoing) ~$260K
- Otonabee College K House – (conceptual review)
- Athletics Squash/First Aid – (renovation **complete**)
- DNA 109 Graduate Student Lounge – (design – summer 2025)
- DNA 104 TERF Lab – (under construction) $400K, including IT
- DNA 102 Classroom Renewal (**complete** - previously Noblegen) $140K
- Peter Gzowski College South Emergency Exit – (construction fall 2025) ~$110K
- SC133 Podium Repair – (**complete**) ~$110K
- Varsity Physical Therapy Office – (**complete**) $100K
- Traill College Accessible Bridge – (Fall tender, Spring 2026 construction)
- Research Farm Master Plan – (**complete**) - $100K
- Campus Entrance Relocation – (**Environmental Impact Study complete**, tree removal and detailed design pending City cooperation)
- Food Service Expansion - (GZW). Oversee the food service provider

Future Capital Projects

Future projects include:

- Grounds Operation Facility Relocation (pending funding)
- Potential Servicing of Seniors Village via Long Term Care Project (under consideration)
- Replacement of the Water Quality Centre UPS (uninterruptible power supply) Battery Backup
- Replacement of the water treatment system in the Environmental Science Complex
- Symons Class Renewal – Phase 3-4
- DNA A Block Roof Renewal
- Roundhouse Site Selection and Design
- Action items related to the Durham Task Force review

Financial Implications:

- Added funding by the University to complete non-eligible components of the FRP projects and infrastructure renewal.
- Capital planning for future projects.
- Academic/Research equipment replacement

Enterprise Risk Assessment:

Exceeding capital budgets and delaying the delivery of projects can result in added financial pressures or negative reputational impacts.

Next Steps:

1. Continuing to develop the Infrastructure Asset Condition Inspection and Ratings,
2. Project development and project completion, and
3. Plan and formalize capital programs.

Consultation:

- Facilities Condition Database
- Web Work Order system
- Heritage Committee
- Asset Condition Reports
- ECS (Education Consulting Services) Space Utilization Study
- Trent Lands and Nature Areas Report
- Registrar Office

Committee/Board Mandate:

The Board of Governors is responsible for ensuring the financial health of the University and the proper management of its buildings, lands, and capital projects. The Finance & Property Committee assists the Board in fulfilling these responsibilities by monitoring the institution’s financial, property, and capital affairs and making related policy recommendations.

In its property role, the Finance and Property Committee is responsible for the overall monitoring of campus capital building programs, stewardship of heritage assets, and makes recommendations to the Board of Governors for the approval of revisions to the Master Plan (siting of new facilities), the appointment of architects, final building designs, and major construction contracts.

Board Report

Session: ☐ Closed Session; ☒ Open Session

Action Requested: ☐ Decision; ☐ Discussion/Direction; ☒ Information

To: Board of Governors
Date: June 20, 2025
Presented by: Mike Lavallée, Chair, Finance & Property Committee
Julie Davis, VP External Relations and Development
Subject: **Trent Lands and Nature Areas Plan Update**

Motion for Consideration (if applicable):

That the Board of Governors receive this report for information.

Executive Summary:

This report provides an update on the implementation of the Trent Lands and Nature Areas Plan since it was approved by the Board of Governors in February 2021.

Background:

The Board of Governors approved the Trent Lands and Nature Areas Plan (Lands Plan, or Plan) in February, 2021. The Plan is a high-level framework that provides general direction for the long-term evolution of the Symons Campus. The Plan demonstrates how and where Trent meets its commitment to maintain 60% of its lands as Nature Areas and green spaces, identifies suitable areas to locate new campus and community infrastructure, provides development guidelines, and facilitates proactive land management over the long term within an integrated ecosystem context. It also outlines a commitment and process to continue collaboration with the Michi Saagiig Anishnaabeg, broadening our understanding of the land and considering Indigenous values in our work, and placing a high focus on environmental considerations.

Vision: The Trent Symons Campus Lands are a precious asset, rich in natural and cultural heritage, vital to the resilience of Trent and our communities. Our vision is to create an inspiring, sustainable, and complete community to learn, live, innovate, and be active. In our care for and use of the land, Trent will demonstrate leadership in environmental education and stewardship, respect for Indigenous Traditional Knowledge, and thoughtful integration of the natural and built environment.

The plan is based on four guiding principles:

- Learning and discovery: Ensure the Trent lands are a place where learning and discovery will thrive.

- Environmental resilience and integrity: enhance biodiversity and ecosystem function and demonstrate leadership in environmental and Indigenous education
- Social resilience, community, and inclusivity: Enhance belonging and wellbeing, and provide inclusive social infrastructure
- Economic resilience, leadership, and innovation: Enhance the University's reputation and introduce sustainable funding sources.

Progress Report:

University Green Network

The Lands Plan introduced the University Green Network (UGN), an almost 900 acre natural system that represents Trent's commitment to maintaining 60 per cent of the Symons Campus lands as Nature Areas and green spaces. An important part of that commitment is to be an active caretaker of these lands. The Lands Plan outlined the need for a stewardship plan for this vital ecosystem, that provides significant learning, research and gathering opportunities.

In this past year, Trent completed the systems-level stewardship plan for the UGN - developed collaboratively with the Michi Saagiig Elders and Consultation Liaisons to practice and demonstrate best practice land stewardship and benefit from Indigenous knowledge and perspectives. The Elders Council gave the plan the name Ggwepnandizamin that translates to *together, putting our best effort forward towards something important*. Engagement to complete this plan included faculty, students and community groups. During implementation of the plan, experiential learning/ placements, class assignments and research projects will provide ongoing learning opportunities.

University-Integrated Seniors Village/ Long-term Care home

Creating inspiring places to live and learn is a feature of the Lands Plan, and the vision for a Seniors Village was outlined. We have continued to advance plans for this intergenerational community. A land blessing was recently conducted by Indigenous leaders, as peopleCare prepares to break ground for the LTC home that will open in 2027. The Lands Plan developer guidelines were shared with peopleCare during the planning stages and have ensured the siting of the building respects the natural areas adjacent to it. The building includes a large multi-purpose room that will be used for education, research, and community engagement. Trail connections will be made to benefit staff, residents and their families, as well as bring the campus and community to the site.

Trent Research Farm

A permanent location for a farm hub was a priority project of the Lands Plan. The new location now has a number of research projects and community collaborations

underway, and a Trent Research Farm Master Plan has now been completed outlining a long-term vision for this research and teaching space. Consideration of the natural environment within and connected to the farm is a primary focus of the plan. Extensive engagement was conducted with interested groups within and external to the University, with a common goal to support learning. A drive shed was completed and will be celebrated at an official opening of the farm on August 6th.

Cleantech Commons

Servicing phase 1&2 of the land is complete. Tenants who locate in the park will reference the Cleantech Commons Master Plan and the Lands Plan in the siting and development of their buildings. Access to Trent environmental laboratories, students and researchers remain an attractive feature of the space for prospective tenants.

Gidigaa College/new Otonabee Residence

The Trent Lands Plan developer guidelines have been a steady reference for progression of the project siting and design. The Michi Saagiig consultation liaisons have been involved in reviewing and commenting on the plans for preparing the sites, and an Indigenous architect has worked with campus and community members to weave in Indigenous values and visions. Energy efficiency and integration of natural spaces are priorities in the design and siting.

Indigenous Spaces

The Lands Plan envisions new spaces for Indigenous teachings and ceremony. Philanthropic support has been received this year to fund the visioning, siting, and design for an Indigenous Roundhouse, one of the visionary projects in the Plan. This process is expected to take up to 2 years to complete before construction can proceed, upon securing the necessary funds.

Communication and Engagement

The Trent Lands website, op-eds in the local papers, Trent news stories and social media videos, a designated email inbox, and direct-to-home postcards are some of the tools used to ensure neighbours, campus and interested stakeholders are informed of our progress and opportunities to engage.

Investment

The projects advanced by the Plan are a featured element of the Momentous Campaign. Funds have been successfully raised for a variety of the initiatives listed in this report. Efforts to attract provincial and federal support are also ongoing.

Alignment with Mission, Vision, Values, Strategic Plan:

The Trent Lands Plan is core to achieving the mission and vision of the University, and helps achieve a number of the Board’s strategic directions,

- Committed to academic achievement and scholarship
- Commitment to social, environmental and governance responsibilities
- To develop and maintain vibrant campuses
- Ensure Trent is financially healthy and sustainable

Next steps:

The Plan will be reviewed for accuracy and general upkeep every 5-years, integrating new information as it becomes available through detailed studies, reports on monitoring, and ongoing engagement with the campus and community related to various initiatives, or as new regulatory policies or plans are approved.

Consultation:

The process of creating the Plan involved extensive engagement and consultation over a three year period. The Plan contains a summary of each phase of engagement, with key themes that emerged to shape the plan. Engagement continues for projects as they are implemented, guided by the Implementation section of the Plan.

Compliance with Policy/Legislation:

Implementation of the Plan is subject to multiple regulations at a local, provincial or federal level that are outlined in the Plan and the accompanying Natural Heritage Report.

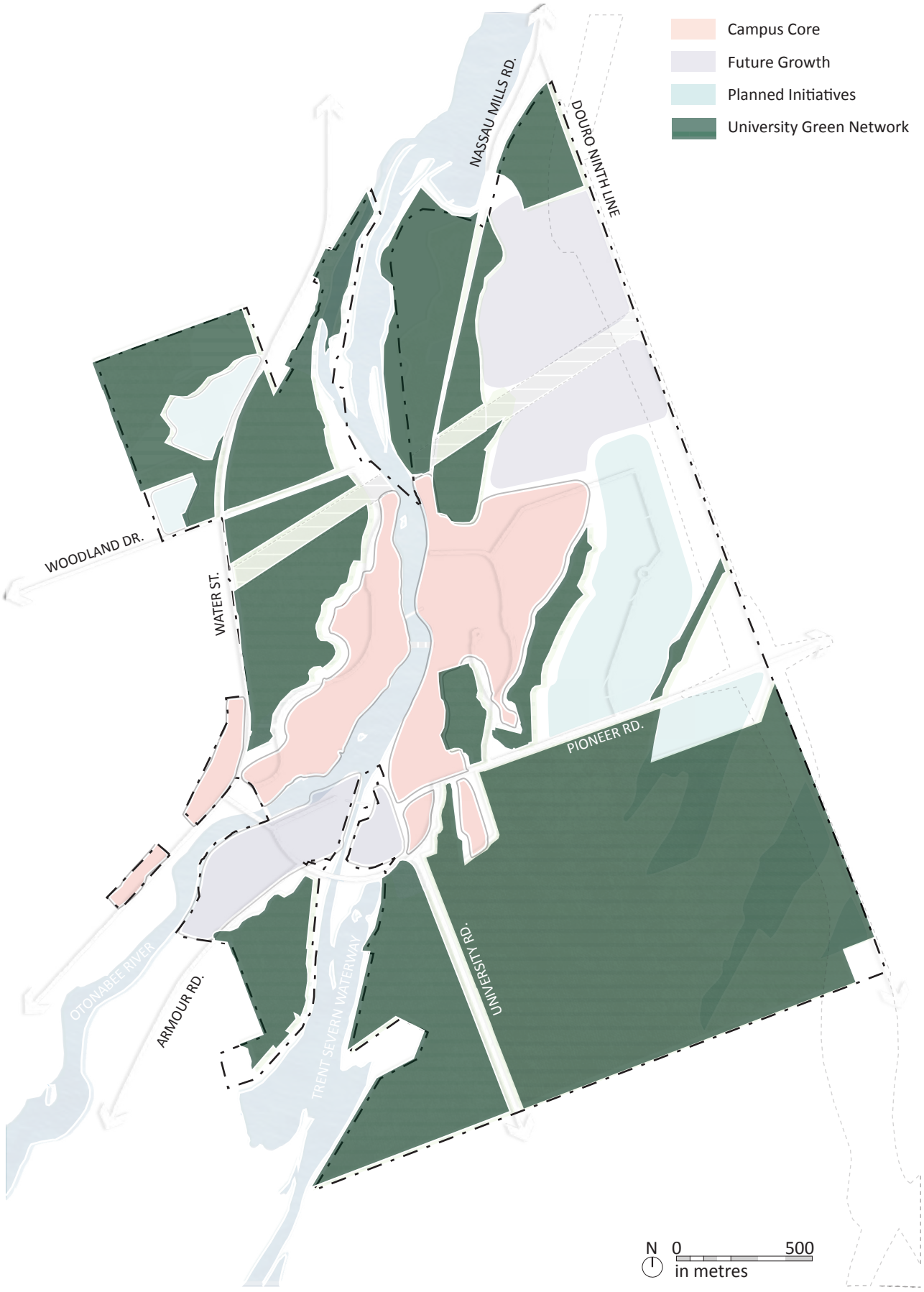
Committee/Board Mandate:

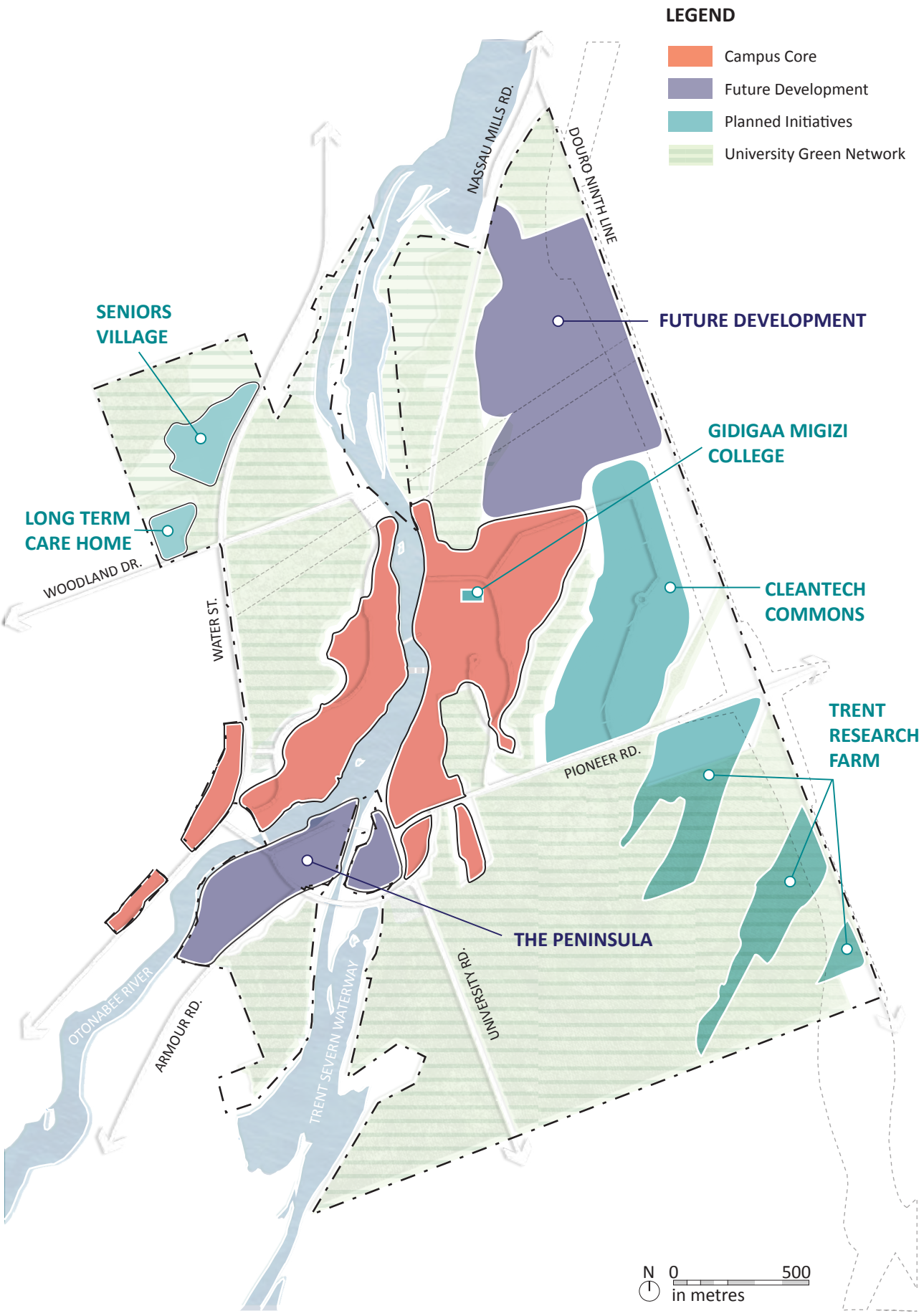
The Board, through the Finance & Property Committee, is responsible for the overall monitoring of campus capital building programs, stewardship of heritage assets, and approval or revisions to the Trent Lands and Nature Area Plan.

Supporting Reference Materials (attached):

University Green Network (UGN) Map
Trent Lands Map

UNIVERSITY GREEN NETWORK




LEGEND
Campus Core
Future Development
Planned Initiatives
University Green Network
SENIORS VILLAGE
FUTURE DEVELOPMENT
GIDIGAA MIGIZI COLLEGE
LONG TERM CARE HOME
CLEANTECH COMMONS
TRENT RESEARCH FARM
THE PENINSULA
NASSAU MILLS RD.
DOURO NINTH LINE
WOODLAND DR.
WATER ST.
PIONEER RD.
UNIVERSITY RD.
ARMOUR RD.
OTONABEE RIVER
TRENT SEVERN WATERWAY
N
0
500
in metres

Board Report

Session: ☐ Closed Session; ☒ Open Session
Action Requested: ☐Decision; ☐ Discussion/Direction; ☒ Information
To: Board of Governors
Date: June 20, 2025
Presented by: Kristi Honey – Chair, Executive Committee
Stephanie Williams – Vice-President, Human Resources
Subject: Annual Report on Sexual Violence

Motion for Consideration (if applicable):
That the Board of Governors accept this report for information.

Executive Summary:
This report includes year-over-year data on the number of student sexual violence incidents reported through formal institutional policy, the number of students supported by the Sexual Violence Prevention and Response Office (Consent at Trent), and sexual violence prevention, response, and support initiatives on campus. It also includes a summary of the activities of Trent's Sexual Violence Prevention and Response Committee and subcommittees.

This report is required under subsection 17(7.1) of the Ministry of Training, Colleges and Universities Act (MTCU Act), requiring universities to provide an annual report to its board of governors.

Analysis/Alternatives Considered:

1. **Access to supports, services and accommodations relating to sexual violence.**

Number of students accessing the Sexual Violence Prevention & Response Manager and Coordinator for support or accommodations:

Year	May 2020 – April 2021	May 2021 – April 2022	May 2022 – April 2023	May 2023 – April 2024	May 2024 – April 2025
New service users	18	68	75	**80**	**114**
Returning service users	39	43	21	**25**	**46**
Total	57	111	96	**105**	**160**

The number of service users has increased significantly over the last academic year. Contributing factors to this rise can be linked to the preventative/proactive initiatives that have created a campus environment where students feel comfortable disclosing or reporting incidents of sexual violence. Educational events to reduce survivor stigma and increase bystander training has also been a factor in increasing awareness of supports available on campus.

The stability in staffing over the last two years has likely also contributed to students feeling safer to come forward and receive support. Students tend to feel better supported when there is a consistent staff resource to support them.

Support and Accommodations:

The Sexual Violence Prevention and Response Team provides personal support for students who have experienced sexual violence, including historical and recent experiences, through confidential and student-driven support services including:

- One-on-one support and coaching
- Safety planning
- Psychoeducation
- Support with accommodation and academic consideration
- Referrals to on and off campus supports and resources
- Service navigation
- Accompaniment support
- Support with navigating on campus and off campus reporting processes
- Additional supports as needed by service users

Between 30% and 50% of students accessing services and resources for experiences of sexual violence seek support in acquiring some form of accommodations or academic considerations. These accommodations may involve changing residence rooms or buildings, switching classes or seminar sections, and various academic considerations such as coursework extensions, reweighing of coursework, alternative participation and attendance options, incomplete standing, late withdrawal, and tuition refunds for withdrawn courses. Students also seek accommodations through other services like Student Housing, Academic Advising, Student Accessibility Services, or directly with their faculty.

Support Feedback:

Consent at Trent has continued to work closely with Trent Student Health Services over the past year. At Health Services, we have seen first-hand the personalized response that Consent at Trent provides to each student through a

trauma-informed approach. Kristen and Sarah are always willing to take time out of their busy schedules to answer any questions Health Services' physicians and nurses have around processes related to SVPR. Additionally, Health Services has benefited from partnering with Consent at Trent at several health promotion events on campus, with the goal to help students better understand what consent means and how it intertwines with sexual, mental, and physical health. – Student Health Services

The Student Conduct and Conduct Education Coordinator (through the Office of Student Affairs) has a collaborative relationship with the team at Consent @Trent based on trust and communication. We work closely on nuanced, and often complex cases to assist students in a timely and trauma-informed manner. Together we strive to provide survivor-focused support and rely on the intersection between the Student Charter of Rights and Responsibilities and the Sexual Violence Prevention and Response Procedures to inform our process. Kristen and Sarah provide students with privacy, dignity, and a safe place to begin to process trauma after experiencing sexual and gender-based violence. The Student Conduct and Conduct Education Coordinator relies on their sensitive and agile approach to help relay critical information so that the determination of outcomes will contribute to accountability and campus safety. – Student Conduct (Office of Student Affairs)

As a student who accessed Consent at Trent services throughout the year, I cannot overstate the impact that they had on my academic year. Kristen and Sarah were so accommodating and would always find time for me within the day. They connected me with a wide variety of resources and supports and helped me get academic consideration during an incredibly difficult time. In a terrible situation, they made me feel seen, safe, and supported, and worked hard to get me the time I needed to recover. – Anonymous Student

In my work as an Academic Advisor, it is common for students to approach me looking for support as they navigate sensitive situations that impact their academic journey. Access to consultation with the Sexual Violence Prevention and Response (SVPR) Team at Trent is integral to how I provide respectful, meaningful, and trauma informed support to students who require it. Having the ability to refer students to the SVPR Team, who provide a safe and welcoming space for students to go, helps me to ensure students have access to the resources, advocacy, and additional support when they need it. In my experience students who access the aid of Consent at Trent feel supported by the SVPR Team and the University, making it possible for them to successfully continue in their studies. – Academic Advising

2. **Sexual violence prevention education, initiatives, and programs.**

Type of programs and number of students served:

Programming	**Participation Number**
Workshops	1190
Orientation Consent Education	1356
Events	536
Resource Tables	652
Class Visits	120
Staff/Faculty Presentations	32
Guest Speakers	295
Blackboard Consent Education Module	1128
Total	**5309**

List of prevention education programs (list is not exhaustive):

Workshops and Presentations:

- Consent Education Blackboard Module
- Consent Education during Orientation Week for incoming students on both Peterborough and Durham campuses
- Training for Housing Staff (RLCs, Dons, etc), Orientation Facilitators and Leaders, Peer Supporters and other student leaders, College Staff, etc.
- Sexual Violence/Consent Education for Varsity Athletes
- Bystander Intervention Workshop
- How to Support a Friend Workshop (receiving disclosures)
- Staff and faculty workshops (receiving disclosures and addressing sexual violence on campus)
- Workplace Culture: Addressing Sexual and Gender-Based Violence in collaboration with Careerspace and Academic Advising Durham
- Policy and Me Workshop
- Sexual Misconduct in the Workplace in collaboration with Human Resources
- Class visits: Introduction to Consent at Trent, supports and resources, sexual violence, and consent

Events:

- Promotional and informational tables
- Resource fairs
- Consent at Trent Week (Sexual Violence Prevention Week)
- Thrive Weeks Durham
- Sexual Health and Sex Education events in collaboration with Student Health Services
- Harm Reduction events (Head of the Trent, St. Patrick’s Day) in collaboration with campus partners

- Collaboration with student associations, groups, clubs, and on and off campus partners

Information and Awareness-Raising

- Social media: Instagram, YouTube videos and Facebook
- Consent Reading List in partnership with Trent Libraries
- Print campaigns (posters, brochures, etc.)
- Resource inserts for welcome packages and additional promotional materials working collaboratively with other departments and student associations
- Digital presence through Sexual Violence website
- MyTrent portal events and bulletins
- Promotional support through College newsletters (online)

During the 2024-2025 academic year, there was a notable rise in engagement and collaboration in sexual violence primary prevention initiatives among students, staff, faculty, and community partners. Workshops, events, and programs continue to be conducted in multiple formats, both in-person and virtually, across the Peterborough and Durham campuses. Integrating various delivery methods, including hybrid options, has greatly enhanced both engagement and accessibility for prevention education initiatives and programming.

Prevention Education and Programming Feedback:

The Trent Central Student Association is so grateful for all of the hard work that Sarah and Kristen do at Consent at Trent and see the impact that it makes on the Trent campus. They provide our team with comprehensive training to prepare us for the year ahead and are always available for staff support. I have worked closely with them throughout the term and recommend them as one of the best campus resources for students who need support. Their dedication to student support is incredible, and it is shown through their attentiveness, kindness, and openness to all students. On top of student crisis support, their team works to create a wide variety of preventative education events that are fun, educational, and supportive. Their openness to collaborate with our team, provide resources, and speak at events, shows their department's dedication to the Trent community, and their hard work is deeply appreciated. – Trent Central Student Association

The Residence Life and Education team is grateful for the continued support of the Sexual Violence Prevention Team. Kristen and Sarah have been pivotal partners throughout the student experience. The development and implementation of trauma-informed education is essential to supporting students living in residence.

Whether through workshops, events, tabling, or one-on-one student support, the contributions of this team help foster a culture of consent that Trent University can be proud of. The work done by this team makes it easy to showcase support to prospective students, industry partners, and campus-wide support services. Most importantly a smooth and impowering referral process for survivors of sexual

violence makes their services accessible. We sincerely appreciate the value that the Sexual Violence Prevention Team brings to our campus in both preventing and responding to sexual and gender-based violence within our Durham and Peterborough residence communities. We look forward to our continued collaborative efforts to support the work done by this team. - Residence Education

Consent at Trent has been an important component of the Durham Orientation program for many years. As students come to Trent from many different lived experiences, it is important for us to spread awareness of the impacts of sexual harassment and violence, and to share the supports that are available to students in this next chapter of their lives. The Orientation program is grateful to Kristen and Sarah with Consent at Trent for making this education understandable, impactful, and accessible for our many incoming students. Through their participation in our Orientation sessions in the Summer, Fall, and Winter, alongside their presence in programs such as the Foundations for Success program and Thrive Weeks, it is clear that Consent at Trent is having a tangible impact on our campus community. Noticing the rising rates of new and returning service users, it is evident that students need and feel comfortable accessing Sexual Violence Prevention and Response supports. We are grateful that the connections to these important resources can be fostered through Orientation's partnership with the Consent at Trent team. – Student Affairs, Student Life, Trent Durham

3. The number of incidents/complaints of sexual violence reported by students.

Year		2020	2021-22	2022-23	2023-24	2024-25
Metric 1 (a)	Total number of formal complaints/reports of sexual misconduct	-	-	-	3	**4**
Metric 1 (b)	Total number of formal complaints/reports of sexual assault	4	24	8	5	**12**
Metric 1 (c)	Total number of formal complaints/reports of sexual harassment	8	6	12	7	**9**
Metric 1 (d)	Total number of formal complaints/reports of stalking	8	0	4	0	**4**
Metric 1 (e)	Total number of formal complaints/reports of indecent exposure	1	3	1	1	**2**

Metric 1 (f)	Total number of formal complaints/reports of voyeurism	0	0	0	0	**2**
Metric 1 (g)	Total number of formal complaints/reports of sexual exploitation	0	0	2	1	**0**
	Total number of formal complaints/reports of sexual violence	21	33	27	17	**33**

*Note that these are cases formally reported through Trent's Sexual Violence Prevention and Response Policy, the Discrimination and Harassment Policy, or the Workplace Violence and Harassment Policy. This data does not reflect disclosures of sexual violence that may be received by varying support services. Reporting information reflects the academic year, as opposed to the calendar year.

4. Implementation and effectiveness of the policy.

<u>Policy, Response, and Prevention Education</u>

The Sexual Violence Prevention and Response Policy provides a framework to support sexual violence prevention and response, providing a range of options related to safety, reporting (both formal and informal), support services, and accommodations, emphasizing the specific needs of survivors. The policy is currently under review, with revisions being advised by the Sexual Violence Prevention and Response Committee and the Policy Review Subcommittee. Revisions will focus on enhancing accessibility, inclusivity, and intersectionality, as well as refining definitions and procedures. The policy is scheduled to proceed to community consultation in fall 2025

In response to increased reports of sexual violence, Trent University continues to incorporate a collaborative, community-based approach, providing enhanced support, resources, and education to the campus community. As part of our comprehensive strategy, Trent is dedicated to sexual violence prevention through dynamic programming and initiatives which are integral to our institutional policy and demonstrate our commitment to creating a safe and respectful campus environment. The Sexual Violence Prevention and Response team works closely with students, faculty, and staff to develop educational opportunities that address topics such as consent, boundaries, and sexual violence, as well as engaging the community in fostering a culture of mutual respect and accountability.

The Sexual Violence Prevention and Response team also coordinates with various partners across the university and in the community, including the Office of Student Affairs, Residence Life, Campus Safety, Student Health Services and Counselling,

First Peoples House of Learning, Kawartha Sexual Assault Centre, and the Durham Rape Crisis Centre to ensure students have access to accessible, inclusive, survivor-centred, and trauma-responsive supports. This comprehensive, collaborative response reflects Trent's commitment to creating a safer and more supportive campus environment.

Sexual Violence Prevention and Response Committee

The Sexual Violence Prevention and Response Committee continues to play a critical role in evaluating the effectiveness of the Sexual Violence Prevention and Response Policy, providing informed recommendations for ongoing development of sexual violence prevention and response initiatives. Student involvement remains a key component of this process. Opportunities for engagement are available both through direct participation on the committee and via a formalized communication channel that enables students to share policy-related input with their respective student associations. Student associations, in turn, liaise with the Policy Review Subcommittee to ensure student perspectives are represented. Student representation includes the Trent Central Student Association, Trent Graduate Student Association, Trent Durham Student Association, as well as other interested students across the university community.

The full committee met November 1st, December 6th, January 31st, and March 28th. The focus of the committee was consultation regarding the upcoming policy review process, while also providing an opportunity to share updates regarding sexual violence prevention and response on campus. From the full committee, the Policy Review Subcommittee was mobilized, with meetings commencing on April 1st.

The full committee will meet in May 2025 to debrief sexual violence prevention and response over the 2024-2025 academic year, and will continue to meet on a semesterly basis, beginning in September 2025.

Staffing

As a part of our ongoing growth and development of primary prevention initiatives, a Trent Summer Work Experience Program (summer 2024) student and Trent Work Study Program (fall 2024) student were hired to support prevention education and expand sexual violence awareness initiatives. Additionally, three Social Work placement students completed placements over the academic year, including third- and fourth-year Trent Bachelor of Social Work students, as well as a Master of Social Work student from the University of Waterloo. Student staff and placement students played an integral role in expanding sexual violence prevention and response initiatives, including such things as supporting program development and facilitation, program and policy review, and awareness-raising.

Partnerships and Collaboration

Strengthened partnerships across Trent campuses and within the wider community have significantly improved the consistency, responsiveness, and coordination of sexual violence prevention and response services and supports. Collaborative partnerships have enabled more effective resource utilization and strengthened our

ability to support both students and the wider campus community. These initiatives have fostered a more unified and accessible support system, improving the experience for survivors and reinforcing Trent's continued dedication to preventing and responding to sexual violence.

In May 2024, Trent University, in collaboration with the Kawartha Sexual Assault Centre (KSAC), secured the CICMH Campus Community Collaboration Grant. This grant, amounting to $25,000, funded a part-time counsellor at KSAC, working two days a week during the 2024-25 academic year. This initiative provided an opportunity to continue to strengthen the partnership between Trent and KSAC, enhancing support for survivors of sexual violence.

Partnerships and Collaboration Feedback:

Our strong, collaborative partnership with Trent University makes it possible for students who have experienced sexual violence to access timely, trauma-informed counselling and support. By working closely together, we ensure that students receive compassionate, survivor-centered care that supports their healing and helps them stay engaged in their academic journey. This partnership reflects a shared commitment to student well-being, safety, and dignity. – Kawartha Sexual Assault Centre

With strengthened partnerships across campuses and within Student Affairs, the consistency, responsiveness and coordination of services has been enhanced. Working alongside Consent at Trent's prevention and support services, has resulted in increased efficiency related to use of resources and our capacity to respond to and support both students and the campus community as a whole. This has built a more cohesive support pathway that enhances the survivor experience and reinforces our commitment at Trent to preventing and addressing gender-based and sexual violence. – Student Affairs, Trent Durham

The Colleges at Trent fully support the Consent at Trent team. Kristen Haines leads a wonderful team who puts students' who are in need, first. The program does an amazing job of providing pertinent training for our student ambassadors in the Colleges on a regular basis. This training allows our students to be able to help guide students, when needed, to the appropriate resources. Consent at Trent's efforts to increase awareness on sexual violence and to prioritize the safety of all students is so very needed, and we truly appreciate how these values dovetail with the student-focused work that we do every day in the Colleges at Trent. The Colleges are oftentimes, a first point of contact when students first look to report something, so our staff knows that when we make referrals to Consent at Trent, students will be met with compassion, understanding and open hearts. – Trent Colleges

Financial Implications:

Sexual violence is a prevalent issue in society, and individuals in the traditional student age group (18-24) are particularly vulnerable. Providing prevention education and support for students who have experienced sexual violence helps limit and mitigate the impacts of sexual violence on our student population. Experiencing sexual violence can be highly traumatic and can severely impact students' ability to persist in their degree, affecting student retention.

Enterprise Risk Assessment:
In the past number of years, there has been an increased focus on sexual violence in society, and in postsecondary, including significant attention to individual cases in various institutions. Efforts to prevent and respond to sexual violence incidents have a significant reputational impact.

Next Steps:
This report is for approval with the Board of Governors, followed by submission of updated protocol to MCU.

Alignment with Mission, Vision, Values, Strategic Plan:
An environment free of sexual violence is in keeping with Trent's objectives around providing an equitable learning environment for students.

Consultation:
The Sexual Violence Prevention and Response Committee continues to meet and includes representatives from student associations, staff, faculty, and community members.

Compliance with Policy/Legislation:
This report is submitted in compliance with the Ministry of Colleges and Universities requirement of an annual report to the Board of Governors.

- The proclamation of subsection 17(7.1) of the Ministry of Training, Colleges and Universities Act (MTCU Act), requiring each publicly-assisted college and university, covered by the Act, to provide an annual report to its board of governors. This is an ongoing requirement. Although there is no due date in legislation, in August 2019 the ministry indicated to each institution that the reports must be Board approved by June each year.
- The requirement for each publicly assisted college and university to create a task force dedicated to addressing the issue of sexual violence on campus. This is a one-year requirement with each task force required to submit their report to their respective board of governors and to the ministry by June each year.

Committee/Board Mandate:
The Government of Ontario has mandated that each university present to their boards of governors an annual update on sexual violence, including the work of the institutional Sexual Violence Prevention and Response Committee.

Supporting Reference Materials (attached):
None.

TRENT UNIVERSITY

Board Report

Session: ☐ Closed Session; ☒ Open Session
Action Requested: ☐ Decision ☐ Discussion/Direction ☒ Information
To: Board of Governors
Date: June 20, 2025
Presented by: Stephanie Williams – Vice-President, Human Resources

Subject: Annual Report from the Equity & Human Rights Office

Motion for Consideration (if applicable):
That the Board of Governors receive this report for information.

Executive Summary:
This report summarizes Trent University's compliance with key legislative and policy obligations including the Ontario Human Rights Code, the Strengthening Accountability and Student Supports Act, the Accessibility for Ontarians with Disabilities Act (AODA), and other relevant frameworks.

In addition, the report presents data on the number of incidents, complaints, and requests related to accessibility, discrimination, and harassment, providing insight into the university's ongoing efforts to promote a safe, inclusive, and equitable campus environment.

Compliance with Policy/Legislation:

The *Strengthening Accountability and Student Supports Act*, 2024 (Bill 166) establishes mandatory policy requirements for Ontario's publicly assisted post-secondary institutions. By January 31, 2025, all colleges and universities must implement and publicly post policies that clearly articulate how they will address and combat racism and hate. These policies must specifically include, but are not limited to, measures targeting anti-Indigenous racism, anti-Black racism, antisemitism, and Islamophobia.

In alignment with these legislative requirements, Trent University has updated its Discrimination and Harassment Policy and Procedure, with the revised version now publicly accessible. The university is also committed to reviewing its anti-racism and anti-hate policies at least once every five years, ensuring they remain current and effective.

Furthermore, a new anonymous complaint reporting mechanism has been launched on the Equity and Human Rights Office website. This tool enables individuals to report concerns confidentially, without the need to disclose their identity, reinforcing Trent's commitment to fostering a safe and inclusive environment.
Under the Accessibility for Ontarians with Disabilities Act (AODA), Ontario institutions are required to comply with a range of accessibility standards, including those related to customer service, employment, information and communications, transportation, and the Design of Public

Spaces Standard. These standards are designed to remove barriers and ensure equitable access for individuals with disabilities across all public sector organizations.

To monitor compliance, the Accessibility Directorate of Ontario conducts audits as part of the province's broader goal of achieving full accessibility by 2025. Among these, P2 audits are formal compliance reviews that confirm whether institutions are meeting their obligations under the AODA and its regulations.

Analysis/Alternatives Considered:

INCIDENTS AND CLASSIFICATION

GROUND	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024	2024-2025
Disability	8	8	9	7	10	5	10	10	6	4
Sexual Harassment	3	6	2	2	0	0	2	0	3	1
Sex	1	0	0	0	0	0	0	0	1	1
Gender Identity / Gender Expression	0	0	2	0	1	2	1	2	1	1
Race / Colour	3	0	7	3	1	4	3	5	7	1
Sexual Orientation	2	0	0	0	0	0	0	0	0	1
Age	1	0	1	0	0	0	0	0	1	0
Ancestry / Ethnic Origin / Place of Origin	2	1	0	0	0	0	0	0	4	7
Family Status	0	2	1	2	1	1	0	0	0	1
Creed	2	3	0	0	0	0	0	0	1	2
Other / Unsure	0	0	0	2	3	0	3	3	10	4
TOTAL	**19**	**19**	**21**	**16**	**16**	**12**	**19**	**20**	**33**	**23**

Financial Implications:

Non-compliance with the *Ontario Human Rights Code*

It can lead to significant financial and legal consequences for institutions, including monetary damages awarded by the Human Rights Tribunal of Ontario (HRTO) for injury to dignity, lost income, and related costs—often amounting to tens of thousands of dollars or more.
Additionally, organizations may face legal and administrative expenses, reputational harm from public decisions, and non-financial remedies such as mandatory training, policy changes, or reinstatement orders. These risks underscore the importance of proactive compliance and robust anti-discrimination policies.

Accessibility Compliance and Oversight

Under the *Accessibility for Ontarians with Disabilities Act* (AODA), Ontario institutions are required to comply with a range of accessibility standards, including those related to customer service, employment, information and communications, transportation, and the Design of Public Spaces Standard. These standards are designed to remove barriers and ensure equitable access for individuals with disabilities across all public sector organizations. Consequences of Non-Compliance may include issuance of Director's Orders, administrative monetary penalties, and potential prosecution for serious or repeated violations.

Strengthening Accountability and Student Supports Act, 2024

The Minister of Colleges and Universities is granted authority to issue directives and enforce compliance, which may include withholding or adjusting public funding, issuing compliance directives or corrective action plans, public disclosure of non-compliance, which can lead to reputational harm. In practice, non-compliance could jeopardize institutional credibility, funding relationships, and public trust.

Enterprise Risk Assessment:

Mitigation strategies:

Ontario Human Rights Code

- Maintain and regularly update anti-discrimination and anti-harassment policies.
- Provide mandatory training for all staff and students.
- Establish clear, confidential complaint and resolution procedures.

Accessibility Compliance and Oversight

- Conduct regular accessibility audits and implement corrective actions.
- Ensure all digital and physical environments meet AODA standards.
- Maintain training records and submit required compliance reports.

***Strengthening Accountability and Student Supports Act,* 2024**

- Implement and publish anti-racism and anti-hate policies by required deadlines.
- Establish mechanisms for anonymous reporting and regular policy reviews.
- Submit annual reports to the Board of Governors and the Ministry by January 31.

Next Steps:

Annual Reporting Requirements

Strengthening Accountability and Student Supports Act, 2024

The annual report will serve as a critical tool for monitoring progress, ensuring accountability, and identifying opportunities for continuous improvement in Trent University's commitment to combating racism and hate. The next reporting date is **January 31st, 2026.**

Additional steps

To strengthen the implementation of its anti-racism and anti-hate commitments, Trent University will undertake the following actions:

- Align with Provincial Frameworks: Trent will ensure its policies and practices are consistent with Ontario's *Anti-Racism Strategy* and the *Data Standards for the Identification and Monitoring of Systemic Racism*, reinforcing a data-informed and equity-focused approach.

- Deliver Targeted Training: Comprehensive training will be provided to student groups, staff, and faculty. These sessions will cover institutional policies and procedures, clarify rights and responsibilities, and outline available pathways for reporting and addressing incidents of racism, discrimination, and harassment.

- Foster Collaborative Policy Development: The university will actively engage with student unions to encourage the development and adoption of complementary policies.

Accessibility Compliance

Trent University is currently finalizing a P2 audit to demonstrate its adherence to these standards. As part of its ongoing commitment to accessibility, the university will also establish an Accessibility Advisory Committee to guide implementation, monitor progress, and ensure continuous improvement in accessibility practices.

Alignment with Mission, Vision, Values, Strategic Plan:

Compliance with the Ontario Human Rights Code ensures that all members of the university community are protected from discrimination and harassment, directly supporting a safe and respectful learning environment. Similarly, AODA compliance ensures that students, faculty, and staff with disabilities have equitable access to education, services, and opportunities—upholding Trent's values of accessibility and inclusivity. The Strengthening Accountability and Student Supports Act, 2024 mandates policies to combat racism and hate, and to support student mental health—objectives that align with Trent's vision of fostering vibrant, engaged, and sustainable communities of learning.

Annual Report on Quality Assurance
Board of Governors – June 2025

Trent's Institutional Quality Assurance Policy (IQAP) governs the development of new programs and the review and revision of existing programs. The Policy and its associated procedures establish the requirements and criteria for each of the Protocols, and are in compliance with the Quality Assurance Framework (QAF) as developed by the Ontario Council of Academic Vice Presidents (OCAV) and have been adopted by the Council of Ontario Universities (COU).

Protocols governed by the IQAP Policy include:

1) Cyclical Program Review
2) New Programs
3) Expedited Approvals
4) Major Modifications (Program Renewal and Significant Change)
5) Audit Protocol

Quality assurance is a shared responsibility between the Ontario Universities Council on Quality Assurance (the Quality Council) and Ontario's universities. This collaboration ensures a culture of continuous improvement and supports a vision of a student-centred education. Quality assurance processes result in an educational system that is open, accountable, and transparent. Bringing Ontario's universities quality assurance practices into line with the latest international quality assurance standards facilitates greater international acceptance of an institutes' degrees and improves graduate access to university programs and employment worldwide.

The Quality Council is the provincial body responsible for assuring the quality of degree programs and the integrity of the universities' quality assurance processes as set by the Quality Assurance Framework. Every publicly assisted Ontario University that grants degrees and diplomas is responsible for the quality of its programs and for developing a policy that minimally meets the requirements of this Framework.

Standing committees of Senate responsible for administering the Policy include Academic Planning & Policy, Cyclical Program Review Committee, Undergraduate Studies Committee, and the Graduate Studies Committee.

New Program Approval

Following Senate approval, new programs require approval by Quality Assurance and the Ministry.

Four new programs were approved by Quality Assurance and the Ministry in 2024 – 2025, and will commence September 2025:

- Accounting and Economics BA
- Artificial Intelligence BA and BSc
- Master of Arts Management

Cyclical Review of Existing Degree Programs

Periodic cyclical reviews are conducted for all existing undergraduate and graduate degree programs at a minimum of once every eight years. The Cyclical Program Review Process is a three to four year process, from the initial preparation of the academic unit's self-study to the final implementation report.

The Review looks closely at the key performance indicators including expectations of performance by graduates at specified levels of learning; clearly identified program objectives, articulation of program-level learning outcomes, and student achievement through evaluation and assessment. Specifically, the cyclical review process looks at the program's approach and plans for continuous improvement to ensure that educational experiences offered to students are engaging and rigorous. Outcomes of the review include recommendations to: provide information to help make decisions for improvements and enhancements; provide benchmarks for assessing program standards and quality; ensure that curriculum remains relevant, current, and effective; and provide assurance of quality to students, partners, and government.

The following degree programs were reviewed in 2024 – 2025:

- Criminology BA
- Cultural Studies BA
- Forensic Biology BSc
- Forensic Chemistry BSc
- Forensic Science BSc
- Forensic Science MSc
- Gender and Social Justice BA
- International Political Economy Joint Major BA
- Materials Science MSc/PhD (with Ontario Tech)
- Media Studies BA
- Political Studies BA
- Psychology BA/BSc
- Psychology MA/MSc
- Sociology BA

In 2025 – 2026, the following degree programs will undergo an external review:

- Economics BA/BSc
- English Literature BA
- English (Public Texts) MA
- Instrumental Chemical Analysis Master/GDip
- Master of Management
- Mathematical Economics BSc

Quality Assurance Audit

In the winter term of 2026-2027, the University will undergo a Quality Assurance Audit conducted by the Ontario Universities Council on University Assurance. The University is subject to a Cyclical Audit at least once every eight years; the University was last audited in 2016 – 2017.

The purpose of the Audit is to ensure transparency and accountability in the development and review of academic programs and to assure stakeholders (e.g., students, citizens, and the government) of the international standards of Trent's quality assurance processes. The Audit will monitor the extent

to which the University has: improved/enhanced its quality assurance processes and practices; created an ethos of continuous improvement; and developed a culture that supports program-level learning outcomes and student-centered learning.

The scope of this protocol will include an evaluation of past and current practices; review of institutional changes made in policy, procedures, and practices in response to recommendations from the previous audit; confirmation the university's practices comply with its ratified IQAP; and review of the university's approach to continuous improvement.

Office of Provost & VP Academic
June 4, 2025

Board Report

Session: ☐ Closed Session; ☒ Open Session
Action Requested: ☐Decision; ☐ Discussion/Direction; ☒ Information
To: Trent University Board of Governors
Date: June 20, 2025
Presented by: Tara Harrington, Associate University Secretary (Senate)
Subject: Senate Report to Board of Governors

Motion for Consideration (if applicable):

That the Board of Governors receive this report for information.

Executive Summary:

Section 12. of *The Trent Act, 1962-63* gives the Senate authority for the educational policy of the University including, but not limited to, determining courses of study and standards of admission and qualifications for degrees and diplomas.

In 2024-25 there were eight meetings of Senate.

Highlights of Senate Activities for 2024-25:

New programs approved for submission to the Ontario Universities Council on Quality Assurance:

MA Arts Management
BA in Accounting and Economics
BA and BSc Artificial Intelligence

New programs not requiring approval from the Ontario Universities Council on Quality Assurance:

New program combining the joint major program in Forensic Science and Anthropology
New program combining the joint-major program in Canadian Studies and French Studies

New Academic Certificates/Options/Specializations:

Postgraduate Certificate in Accounting & Computer Science
Postgraduate Certificate in e-Commerce
Postgraduate Certificate in Logistics & Supply Chain Management
Postgraduate Certificate in Software Development
Postgraduate Certificate in Health & Wellness
Postgraduate Certificate in Digital Marketing
Postgraduate Certificate in Logistics & Supply Chain Management (1 year)
Undergraduate Certificate in Democratic Leadership

Specialization in Black Studies
Specialization in Gender, Law & Human Rights Advocacy
Specialization in International Law & Policy

New Articulation Agreements:

Senate reviewed and approved 12 new articulation agreements. These agreements, signed with 7 different community colleges, will allow qualified graduates of approved college programs to enter one of Trent's degree programs with advanced standing.

Other Initiatives:

Artificial Intelligence in Academia--The Provost struck a working group to continue the work on Artificial Intelligence commenced in 2023-24 by the Centre for Teaching and Learning. The Group released an interim report in December and two members facilitated a discussion at Senate on the issue.

Vision and Mission—This year the president commenced a review of Trent's vision and mission. As part of the review process, the president facilitated a special-topic discussion on the exercise at Senate.

Academic Program Structures—Led by two Senators, Senate discussed academic program structures and explored ways to make navigating program choices easier for students and their families. This dialogue will be taken up at the Decanal level.

Governance—Two new initiatives were undertaken this year—approval of annual Senate workplans and publication of a post-Senate report highlighting the decisions made by Senate.

Policies and Academic Regulations--During the 2024-25 academic year Senate approved revisions to 5 policies: Course Syllabus Policy, Animal Care Standards Policy, Policy on Research Organizations, Policy on Student Records (Access to) and Calendar Language regarding Academic Status. In addition, Senate approved updated academic regulations for both Graduate Studies and Postgraduate Certificates.

Senate approved the creation of a new Psychology department at the Durham GTA campus.

Enterprise Risk Assessment:

Senate receives regular reports from the president, the provost and the academic colleague of the Council of Ontario Universities that highlight changes in the post-secondary environment. Senate assesses and responds to identified risks and opportunities as appropriate.

Compliance with Policy/Legislation:

In compliance with the Quality Assurance Framework, Trent is required to have an Institutional Program Quality Assurance Policy and Procedures (IQAP). The IQAP sets out the process for the cyclical review of existing programs. At Trent, the Cyclical Program Review Committee has responsibility for overseeing these reviews including

reviewing Self-Study documents, Review Committee Reports and Responses by academic units and Deans; preparing for approval by the Provost and Vice-President Academic Final Assessment Reports (including Implementation Plans and Executive Summaries*)*; receiving Monitoring Reports from academic units and preparing Reports for Senate. During the 2024-25 academic year, the CPRC submitted 7 reports to Senate.

Committee/Board Mandate:

Senate continues to fulfill its mandate of determining the education policy, courses of study and standards of admission to the University.

AON

Executive Summary

Trent University

First Quarter 2025

Investment advice and consulting services provided by Aon Solutions Canada Inc.

Major Capital Markets' Returns

As of 31 March 2025

	1 Quarter	YTD	1 Year	2 Years	3 Years	4 Years	5 Years	10 Years
Equity								
S&P/TSX Composite	1.5	1.5	15.8	14.9	7.8	10.7	16.8	8.5
S&P 500	-4.2	-4.2	15.1	22.3	14.3	14.5	18.9	14.0
S&P 500 (USD)	-4.3	-4.3	8.3	18.6	9.1	10.7	18.6	12.5
MSCI EAFE (Net)	6.9	6.9	11.5	13.4	11.2	8.4	12.0	6.8
MSCI World (Net)	-1.7	-1.7	13.8	19.3	12.8	11.9	16.4	10.9
MSCI ACWI (Net)	-1.3	-1.3	14.0	18.5	12.1	10.7	15.4	10.2
MSCI Emerging Markets (Net)	3.0	3.0	15.0	11.5	6.4	1.5	8.2	5.0
Real Estate								
MSCI/REALPAC Canada Quarterly Property Fund	0.3	0.3	0.9	-0.1	0.8	5.0	4.2	5.9
Global Real Estate Fund Index (GREFI) (USD)*	-2.9	-2.9	-3.3	-5.1	-3.3	0.5	1.6	4.5
Fixed Income								
FTSE Canada Universe Bond	2.0	2.0	7.7	4.8	2.5	0.7	0.9	1.8
FTSE Canada Long Term Overall Bond	1.8	1.8	7.0	3.9	0.0	-1.4	-1.2	1.3
FTSE Canada 91 Day TBill	0.8	0.8	4.5	4.7	4.0	3.1	2.5	1.8
Consumer Price Index								
Canadian CPI, unadjusted	1.4	1.4	2.3	2.6	3.2	4.0	3.7	2.6

Canadian Equities
The S&P/TSX Composite Index returned +1.5% in the first quarter of 2025. Sector performance was mixed over the quarter. The best performing sectors were Materials (+20.3%), Utilities (+4.9%), and Energy (+2.7%), while Health Care (-9.0%) and Info Tech (-7.5%) were the worst performers. Growth stocks outperformed value over the first quarter (+1.9% vs. +0.8%). Over the past 12 months, value stocks outperformed growth (+20.9% vs. +12.4%). The S&P/TSX Composite Index returned +15.8%. 8 out of 11 sectors produced positive returns, with Materials (+38.1%), Info Tech (+21.8%), and Financials (+21.7%) leading, while Health Care (-16.8%) and Comm. Serv. (-11.9%) trailed.

U.S. Equities
The S&P 500 Index returned -4.2% in Canadian dollar terms in the first quarter. The best performing sectors included Energy (+10.3%) and Health Care (+6.6%), while Cons. Disc. (-13.7%) and Info Tech (-12.6%) trailed. Value stocks outperformed growth stocks over the quarter and year. Over the past 12 months, the S&P 500 Index returned +15.1% in Canadian dollar terms. All sectors produced positive returns, with Utilities (+31.7%) and Financials (+27.8%) leading.

Non-North American Equities
The MSCI EAFE Index returned +6.9% in Canadian dollar terms in the first quarter, with majority of sectors contributing. The top performing sectors included Energy (+15.3%), Financials (+15.3%), and Utilities (+12.5%), while Info Tech (-2.7%) and Cons. Disc. (-0.6%) trailed. Over the past 12 months, the index returned +11.5% in Canadian dollar terms, with Financials (+36.5%), Comm. Serv. (+25.9%) and Utilities (+20.7%) leading, while Info Tech (-6.1%) and Materials (4.3%) trailed.

Canadian Fixed Income
The Canadian investment grade bond market, as measured by the FTSE Canada Universe Bond Index, returned +2.0% over the quarter. Federal bonds (+2.3%) outperformed Provincial (+1.9%) and Corporate bonds (+1.8%). From a term perspective, medium-term bonds (+2.7%) outperformed both long-term bonds (+1.8%) and short-term bonds (+1.7%). Over the past 12 months, the index returned +7.7% with Corporate bonds (+8.8%) ahead of the index, and Provincial bonds (+7.4%) and Federal bonds (+7.1%) trailed the index. From a term perspective, medium-term bonds (+8.6%) outperformed short-term bonds (+7.1%) and long-term bonds (+7.0%).

* Lagged one quarter.
Returns for periods greater than one year are annualized. Sector returns are sourced from MSCI.

Asset Allocation & Performance

As of 31 March 2025

	Allocation	Performance (%)							
	Market Value ($000)	1 Quarter	Year To Date	1 Year	2 Years	3 Years	4 Years	5 Years	10 Years
Special Investment Fund	**2,513**	**1.7 (21)**	**1.7 (21)**	**10.7 (44)**	**10.1 (80)**	**5.9 (89)**	**5.7 (90)**	**8.5 (97)**	**5.6 (98)**
Benchmark		*1.7 (21)*	*1.7 (21)*	*10.8 (43)*	*10.2 (80)*	*6.0 (87)*	*5.8 (90)*	*8.5 (97)*	*5.5 (98)*
Value Added		0.0	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0

As of 31 December 2024, OPSEU Plan has been liquidated and as of 31 March 2025, current market value is $21,344,291.
Parentheses contain percentile rankings.

Calendar Year Performance

As of 31 March 2025

	2024	2023	2022	2021	2020	2019	2018	2017
Special Investment Fund	**12.6 (83)**	**10.6 (61)**	**-9.3 (68)**	**9.7 (94)**	**8.7 (56)**	**14.2 (68)**	**-2.4 (48)**	**7.3 (71)**
Benchmark	*12.7 (82)*	*10.7 (57)*	*-9.3 (71)*	*9.6 (94)*	*8.6 (58)*	*14.3 (67)*	*-2.6 (52)*	*7.3 (72)*
Value Added	-0.1	-0.1	0.1	0.1	0.2	-0.1	0.2	0.0
OPSEU Pension Fund		**11.9 (31)**	**-9.2 (67)**	**11.9 (74)**	**9.0 (53)**	**15.9 (35)**	**-2.8 (61)**	**8.8 (48)**
OPSEU Plan Benchmark		*12.0 (31)*	*-9.4 (71)*	*11.8 (74)*	*8.8 (56)*	*15.8 (36)*	*-3.0 (64)*	*8.7 (48)*
Value Added		0.0	0.2	0.1	0.3	0.1	0.2	0.0

As of 31 December 2024, OPSEU Plan has been liquidated and as of 31 March 2025, current market value is $21,344,291.
Parentheses contain percentile rankings

Comparative Performance

As of 31 March 2025

	1 Quarter	Year To Date	1 Year	2 Years	3 Years	4 Years Ending Mar-2025	4 Years Ending Mar-2024	4 Years Ending Mar-2023	4 Years Ending Mar-2022
Special Investment Fund	**1.7 (21)**	**1.7 (21)**	**10.7 (44)**	**10.1 (80)**	**5.9 (89)**	**5.7 (90)**	**7.9 (92)**	**4.6 (89)**	**6.8 (77)**
Benchmark	*1.7 (21)*	*1.7 (21)*	*10.8 (43)*	*10.2 (80)*	*6.0 (87)*	*5.8 (90)*	*7.9 (92)*	*4.6 (89)*	*6.7 (81)*
Value Added	0.0	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0	0.1
TDAM Emerald Canadian Equity Index	1.5 (45)	1.5 (45)	15.9 (29)	15.0 (35)	7.8 (58)	10.8 (67)	17.1 (61)	9.0 (65)	12.7 (37)
S&P/TSX Composite	*1.5 (45)*	*1.5 (45)*	*15.8 (31)*	*14.9 (36)*	*7.8 (59)*	*10.7 (68)*	*17.0 (61)*	*9.0 (66)*	*12.6 (41)*
Value Added	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.1	0.1
TDAM Emerald Pooled U.S. Index	-4.2 (59)	-4.2 (59)	15.2 (26)	22.2 (35)	14.3 (38)	14.5 (27)	19.8 (46)	12.0 (35)	15.6 (34)
S&P 500 (CAD)	*-4.2 (59)*	*-4.2 (59)*	*15.1 (27)*	*22.3 (34)*	*14.3 (37)*	*14.5 (27)*	*19.8 (45)*	*12.0 (34)*	*15.6 (34)*
Value Added	0.0	0.0	0.1	-0.1	0.0	0.0	0.0	0.0	0.0
TDAM Emerald Hedged Synthetic U.S. Equity Index	-4.6 (64)	-4.6 (64)	6.7 (91)	16.9 (76)	7.4 (98)	9.3 (91)	19.8 (46)	10.0 (71)	14.8 (43)
S&P 500 (Hedged)	*-4.6 (63)*	*-4.6 (63)*	*6.9 (90)*	*17.2 (74)*	*7.8 (97)*	*9.6 (89)*	*20.1 (41)*	*10.3 (65)*	*15.1 (39)*
Value Added	0.0	0.0	-0.2	-0.3	-0.3	-0.3	-0.4	-0.3	-0.2
TDAM Emerald International Equity Index	7.0 (54)	7.0 (54)	11.7 (63)	13.5 (59)	11.3 (54)	8.5 (56)	12.2 (62)	5.9 (67)	4.1 (61)
MSCI EAFE (Net)	*6.9 (55)*	*6.9 (55)*	*11.5 (66)*	*13.4 (59)*	*11.2 (56)*	*8.4 (59)*	*12.1 (64)*	*5.8 (70)*	*4.0 (63)*
Value Added	0.0	0.0	0.2	0.1	0.1	0.1	0.1	0.1	0.2
TDAM Emerald Canadian Bond Index	2.0 (60)	2.0 (60)	7.6 (96)	4.8 (100)	2.5 (100)	0.7 (100)	-0.8 (100)	-0.3 (100)	1.5 (96)
FTSE Canada Universe Bond	*2.0 (56)*	*2.0 (56)*	*7.7 (96)*	*4.8 (100)*	*2.5 (100)*	*0.7 (100)*	*-0.7 (100)*	*-0.2 (98)*	*1.6 (91)*
Value Added	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
TDAM Emerald Short-Term Index	0.9 (21)	0.9 (21)	4.8 (21)	5.1 (9)	4.4 (15)	3.3 (31)	2.3 (40)	1.5 (37)	1.3 (18)
FTSE Canada 91 Day TBill	*0.8 (74)*	*0.8 (74)*	*4.5 (61)*	*4.7 (82)*	*4.0 (86)*	*3.1 (74)*	*2.0 (92)*	*1.3 (79)*	*1.0 (88)*
Value Added	0.1	0.1	0.3	0.4	0.3	0.2	0.3	0.2	0.3
Cash	-	-	-	-	-	-	-	-	-

Returns for periods greater than one year are annualized.
Returns are expressed as percentages.

Summary of Investment Objectives

Plan Information

Mandate	Comments	Recommendations
Special Investment Fund	▪ The Special Investment Fund returned 1.7% for the quarter ending 31 March 2025, ranking in the 21st percentile among Aon's universe of balanced funds. ▪ All index funds tracked their respective indices as expected. ▪ No material negative influences.	▪ No action is required.
OPSEU Pension Plan	▪ As of December 31 2024, OPSEU Plan has been fully liquidated into cash. ▪ As of March 31 2025, market value for the OPSEU plan is $21,344,291	▪ No action is required.

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TELUS Health

Trent University

Investment Monitoring Report
Executive Summary
For the quarter ending March 31, 2025

Executive Summary

Market Highlights

As at March 31, 2025

- First quarter of 2025 was characterized by heightened uncertainty with regards to economic growth globally with most major central banks revising down their guidance for the year. This was largely driven by the negative impact of protectionist U.S. trade policy and new tariffs. Capital markets also witnessed multi-decade high volatility.
- In response to developing economic headwinds, the Bank of Canada reduced its policy rate twice during Q1 to 2.75%, which was the seventh consecutive time in this monetary easing cycle. Meanwhile, the U.S. Federal Reserve kept its policy rate unchanged, as U.S. inflation remained slightly elevated and economic data showed resilience.
- Globally, equity markets posted mixed performance across regions. Canadian equities outperformed both the U.S. and global equity markets, benefiting from lower valuations and strong performance in commodities. European equities were particularly strong with double-digit gains fueled by Germany's fiscal stimulus, attractive relative valuations, easing European Central Bank policy, and stabilizing inflation. In contrast, U.S. equities underperformed other major global equity markets and emerging markets equities attributable to escalating tariff concerns and higher relative valuations, leading to negative returns for the quarter.
- In terms of performance at the sector level for global equities, Energy was the only sector with positive returns. Conversely, the Information Technology sector, which had a stellar 2024, was the worst performing in Q1 with the highest negative return. High relative valuations, combined with tariff uncertainties and concerns about capital expenditures in AI, contributed to the sector's sharp decline during the quarter.

Market Returns as of March 31, 2025					
	QTR	1-Year	2-Year	3-Year	4-Year
FTSE Canada 91-day T-Bill	0.8%	4.5%	4.7%	4.0%	3.1%
FTSE Canada Short Term	1.7%	7.1%	5.3%	3.7%	1.9%
FTSE Canada Mid Term	2.7%	8.6%	4.8%	3.2%	1.0%
FTSE Canada Long Term	1.8%	7.0%	3.9%	0.0%	-1.4%
FTSE Canada Bond Universe	2.0%	7.7%	4.8%	2.5%	0.7%
S&P/TSX Composite	1.5%	15.8%	14.9%	7.8%	10.7%
S&P 500 (CAD)	-4.4%	14.9%	22.2%	14.3%	14.4%
MSCI ACWI (Net) (CAD)	-1.7%	13.8%	19.3%	12.8%	11.9%
MSCI Emerging Markets (Net) (CAD)	3.1%	15.6%	12.0%	6.8%	1.9%
CPI Canada	1.4%	2.3%	2.6%	3.2%	4.0%

Total Fund - Gross Trailing Returns

For periods ending March 31, 2025

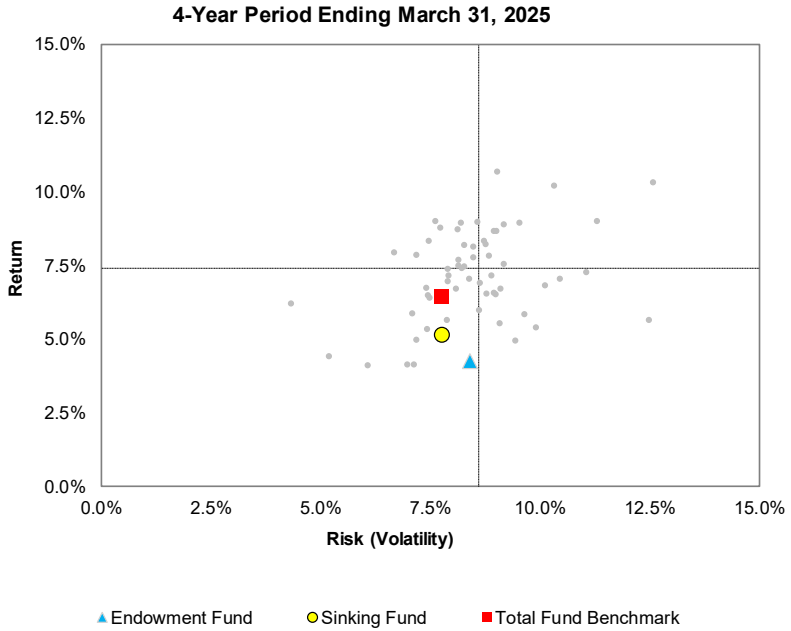
	Trailing period returns[1]						
	QTR	1 year	2 year	3 year	4 year	5 year	10 year
Sinking Fund	**-0.2%**	**7.0%**	**8.5%**	**5.2%**	**5.2%**	**8.5%**	**--**
Total Fund Benchmark	0.5%	10.6%	11.6%	6.9%	6.5%	9.6%	--
Value added	-0.7%	-3.6%	-3.1%	-1.7%	-1.3%	-1.1%	--
Annualized 4.6% return + CPI					8.6%		
Value added					-3.4%		

	Trailing period returns[1]						
	QTR	1 year	2 year	3 year	4 year	5 year	10 year
Endowment Fund	**0.0%**	**7.5%**	**7.8%**	**3.9%**	**4.3%**	**7.7%**	**5.4%**
Total Fund Benchmark	0.5%	10.6%	11.6%	6.9%	6.5%	9.6%	6.5%
Value added	-0.5%	-3.1%	-3.8%	-3.0%	-2.2%	-1.9%	-1.1%
Annualized 4.6% return + CPI					8.6%		
Value added					-4.3%		

[1] Returns greater than one year are annualized. All return information prior to December 2020 is provided by the previous consultant, and information after December 2020 is calculated by TELUS Health from custody statements provided by CIBC Mellon.
[2] See Appendix for benchmark details.

Total Fund Performance - Risk/Return Analysis[1,2,3,4]

For periods ending March 31, 2025



Statistics			
4-year period	Endowment Fund	Sinking Fund	Total Fund Benchmark
Volatility	8.4%	7.8%	7.8%
Value Added	-2.2%	-1.3%	N/A
Information Ratio	-0.8	-1.1	N/A
Tracking Error	2.9%	1.2%	N/A
Downside Market Capture	101.7%	106.2%	100.0%
Upside Market Capture	80.4%	90.3%	100.0%

[1] Returns greater than one year are annualized. Returns are gross of fees.
[2] All return information prior to December 2020 is provided by the previous consultant, and information after December 2020 is calculated by TELUS Health from custody statements provided by CIBC Mellon.
[3] Peer comparison is the eVestment Canadian Balanced Universe.
[4] See Appendix for benchmark details.

Portfolio Details

Total Fund - Net Trailing Returns

For periods ending March 31, 2025

	Trailing period returns[1]		
	QTR	1 year	2 year
Sinking Fund	**-0.2%**	**6.3%**	**7.8%**
Plan Benchmark[2]	0.5%	10.6%	11.6%
Value added	-0.7%	-4.3%	-3.8%

	Trailing period returns[1]		
	QTR	1 year	2 year
Endowment Fund	**0.0%**	**6.8%**	**8.3%**
Plan Benchmark[2]	0.5%	10.6%	11.6%
Value added	-0.5%	-3.8%	-3.3%

[1] Returns are net of fees since June 2022 (active manager transition). Information is calculated by TELUS Health from custody statements provided by CIBC Mellon and investment manager statements, fee schedules, and invoices.
[2] See Appendix for benchmark details.

Total Fund - Gross Calendar Year Returns

	Calendar year returns[1]						
	2024	2023	2022	2021	2020	2019	2018
Sinking Fund	**12.0%**	**10.3%**	**-9.6%**	**11.2%**	**9.5%**	**15.7%**	**-2.3%**
Total Fund Benchmark[2]	15.6%	11.9%	-10.2%	11.2%	9.3%	15.7%	-5.2%
Value Added	**-3.6%**	**-1.6%**	**0.6%**	**0.0%**	**0.2%**	**0.0%**	**2.9%**
Endowment Fund	**12.0%**	**11.4%**	**-13.7%**	**11.4%**	**9.2%**	**15.2%**	**-2.2%**
Total Fund Benchmark[2]	15.6%	11.9%	-10.2%	11.2%	9.3%	15.7%	-5.2%
Value Added	**-3.6%**	**-0.5%**	**-3.5%**	**0.2%**	**-0.1%**	**-0.5%**	**3.0%**

[1] All return information prior to December 2020 is provided by the previous consultant, and information after December 2020 is calculated by TELUS Health from custody statements provided by CIBC Mellon.
[2] See Appendix for benchmark details.

Endowment Fund Managers - Gross Returns

For periods ending March 31, 2025

	Trailing period returns[1,2,3,4]						
	QTR	1 year	2 year	3 year	4 year	5 year	10 year
Fiera Canadian Equity	**3.9%**	**16.1%**	**16.4%**	**12.5%**	**13.3%**	**17.1%**	**--**
S&P/TSX Composite Index	*1.5%*	*15.8%*	*14.9%*	*7.8%*	*10.7%*	*16.8%*	*--*
Value added	2.4%	0.3%	1.5%	4.7%	2.6%	0.3%	--
Mawer Global Equity	**-2.4%**	**2.1%**	**9.9%**	**8.1%**	**8.8%**	**12.2%**	**10.6%**
MSCI ACWI Index (Net) (CAD)	*-1.3%*	*14.0%*	*18.5%*	*12.1%*	*10.7%*	*15.4%*	*10.2%*
Value added	-1.1%	-11.9%	-8.6%	-4.0%	-1.9%	-3.2%	0.4%
Schroders Global Sustainable Growth	**-3.8%**	**7.3%**	**14.3%**	**11.3%**	**10.1%**	**15.8%**	**12.8%**
MSCI ACWI Index (Net) (CAD)	*-1.3%*	*14.0%*	*18.5%*	*12.1%*	*10.7%*	*15.4%*	*10.2%*
Value added	-2.5%	-6.7%	-4.2%	-0.8%	-0.6%	0.4%	2.6%
PH&N Canadian Core Plus Bond	**2.0%**	**8.1%**	**5.5%**	**3.0%**	**1.3%**	**2.2%**	**--**
FTSE Canada Universe Bond Index	*2.0%*	*7.7%*	*4.8%*	*2.5%*	*0.7%*	*0.9%*	*--*
Value added	0.0%	0.4%	0.7%	0.5%	0.6%	1.3%	--
Manulife Canadian Property Portfolio	**0.9%**	**2.9%**	**-2.4%**	**0.2%**	**6.9%**	**7.0%**	**8.3%**
6% Annual rate	*1.5%*	*6.0%*	*6.0%*	*6.0%*	*6.0%*	*6.0%*	*6.0%*
Value added	-0.6%	-3.1%	-8.4%	-5.8%	0.9%	1.0%	2.3%
IFM Global Infrastructure (Canada), LP	**2.8%**	**12.0%**	**8.2%**	**9.3%**	**10.9%**	**10.5%**	**--**
6% Annual rate	*1.5%*	*6.0%*	*6.0%*	*6.0%*	*6.0%*	*6.0%*	*--*
Value added	1.3%	6.0%	2.2%	3.3%	4.9%	4.5%	--

[1] Returns greater than one year are annualized.
[2] The Fund has been invested with Fiera, Mawer, Schroders, PH&N, and Manulife since July 2022. Returns for prior periods are presented for illustrative purposes.
[3] The Fund has been invested with IFM since January 2023. Returns for prior periods are presented for illustrative purposes.
[4] Source: Investment manager statements.

Endowment Fund Managers - Net Returns

For periods ending March 31, 2025

	Trailing period returns[1]		
	QTR	1 year	2 year
Fiera Canadian Equity	**3.7%**	**15.5%**	**15.9%**
S&P/TSX Composite Index	*1.5%*	*15.8%*	*14.9%*
Value added	2.2%	-0.3%	1.0%
Mawer Global Equity	**-2.6%**	**1.3%**	**9.0%**
MSCI ACWI Index (Net) (CAD)	*-1.3%*	*14.0%*	*18.5%*
Value added	-1.3%	-12.7%	-9.5%
Schroders Global Sustainable Growth	**-3.9%**	**6.7%**	**13.7%**
MSCI ACWI Index (Net) (CAD)	*-1.3%*	*14.0%*	*18.5%*
Value added	-2.6%	-7.3%	-4.8%
PH&N Canadian Core Plus Bond	**1.9%**	**7.6%**	**5.0%**
FTSE Canada Universe Bond Index	*2.0%*	*7.7%*	*4.8%*
Value added	-0.1%	-0.1%	0.2%
Manulife Canadian Property Portfolio	**0.6%**	**1.8%**	**-3.5%**
6% Annual rate	*1.5%*	*6.0%*	*6.0%*
Value added	-0.9%	-4.2%	-9.5%
IFM Global Infrastructure (Canada), LP	**2.6%**	**11.4%**	**8.3%**
6% Annual rate	*1.5%*	*6.0%*	*6.0%*
Value added	1.1%	5.4%	2.3%

[1] Source: Investment manager statements and invoices.

Sinking Fund Managers - Gross Returns

For periods ending March 31, 2025

	Trailing period returns[1,2,3,4]						
	QTR	1 year	2 year	3 year	4 year	5 year	10 year
Fiera Canadian Equity	**3.9%**	**16.1%**	**16.4%**	**12.5%**	**13.3%**	**17.1%**	**--**
S&P/TSX Composite Index	*1.5%*	*15.8%*	*14.9%*	*7.8%*	*10.7%*	*16.8%*	--
Value added	2.4%	0.3%	1.5%	4.7%	2.6%	0.3%	--
Mawer Global Equity	**-2.4%**	**2.1%**	**9.9%**	**8.1%**	**8.8%**	**12.2%**	**10.6%**
MSCI ACWI Index (Net) (CAD)	*-1.3%*	*14.0%*	*18.5%*	*12.1%*	*10.7%*	*15.4%*	*10.2%*
Value added	-1.1%	-11.9%	-8.6%	-4.0%	-1.9%	-3.2%	0.4%
Schroders Global Sustainable Growth	**-3.8%**	**7.3%**	**14.3%**	**11.3%**	**10.1%**	**15.8%**	**12.8%**
MSCI ACWI Index (Net) (CAD)	*-1.3%*	*14.0%*	*18.5%*	*12.1%*	*10.7%*	*15.4%*	*10.2%*
Value added	-2.5%	-6.7%	-4.2%	-0.8%	-0.6%	0.4%	2.6%
PH&N Canadian Core Plus Bond	**2.0%**	**8.1%**	**5.5%**	**3.0%**	**1.3%**	**2.2%**	**--**
FTSE Canada Universe Bond Index	*2.0%*	*7.7%*	*4.8%*	*2.5%*	*0.7%*	*0.9%*	--
Value added	0.0%	0.4%	0.7%	0.5%	0.6%	1.3%	--
Manulife Canadian Property Portfolio	**0.9%**	**2.9%**	**-2.4%**	**0.2%**	**6.9%**	**7.0%**	**8.3%**
6% Annual rate	*1.5%*	*6.0%*	*6.0%*	*6.0%*	*6.0%*	*6.0%*	*6.0%*
Value added	-0.6%	-3.1%	-8.4%	-5.8%	0.9%	1.0%	2.3%

[1] Returns greater than one year are annualized.
[2] The Fund has been invested with Fiera, Mawer, Schroders, PH&N, and Manulife since July 2022. Returns for prior periods are presented for illustrative purposes.
[3] Source: Investment manager statements.

Sinking Fund Managers - Net Returns

For periods ending March 31, 2025

	Trailing period returns[1]		
	QTR	1 year	2 year
Fiera Canadian Equity	**3.7%**	**15.5%**	**15.9%**
S&P/TSX Composite Index	*1.5%*	*15.8%*	*14.9%*
Value added	2.2%	-0.3%	1.0%
Mawer Global Equity	**-2.6%**	**1.3%**	**9.0%**
MSCI ACWI Index (Net) (CAD)	*-1.3%*	*14.0%*	*18.5%*
Value added	-1.3%	-12.7%	-9.5%
Schroders Global Sustainable Growth	**-3.9%**	**6.7%**	**13.7%**
MSCI ACWI Index (Net) (CAD)	*-1.3%*	*14.0%*	*18.5%*
Value added	-2.6%	-7.3%	-4.8%
PH&N Canadian Core Plus Bond	**1.9%**	**7.6%**	**5.0%**
FTSE Canada Universe Bond Index	*2.0%*	*7.7%*	*4.8%*
Value added	-0.1%	-0.1%	0.2%
Manulife Canadian Property Portfolio	**0.6%**	**1.8%**	**-3.5%**
6% Annual rate	*1.5%*	*6.0%*	*6.0%*
Value added	-0.9%	-4.2%	-9.5%

[1] Source: Investment manager statements and fee schedules.

Jarislowsky Chair Account - Gross Returns

For periods ending March 31, 2025

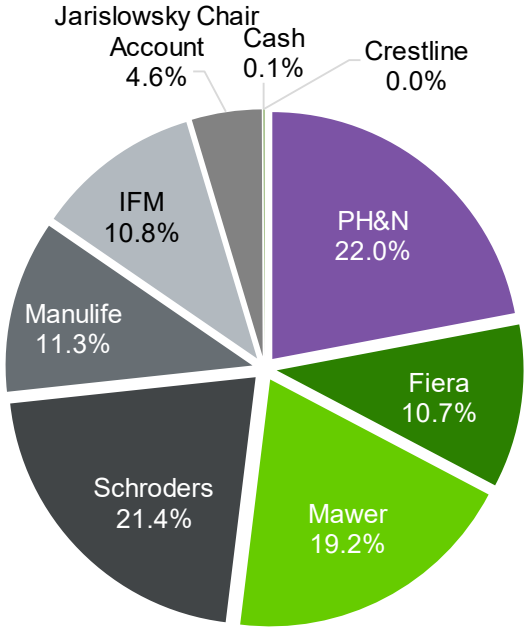
	Trailing period returns[1,2]		
	QTR	1 year	2 year
Canadian Equity	**1.7%**	**15.1%**	**13.9%**
S&P/TSX Composite Index	*1.5%*	*15.8%*	*14.9%*
Value added	0.2%	-0.7%	-1.0%
Foreign Equity	**1.2%**	**10.2%**	**13.7%**
MSCI ACWI Index (Net) (CAD)	*-1.3%*	*14.0%*	*18.5%*
Value added	2.5%	-3.8%	-4.8%

[1] Returns greater than one year are annualized.
[2] Source: Investment manager statements.

Total Fund – Manager Allocation Review

As at March 31, 2025

Breakdown by Manager[1,2]



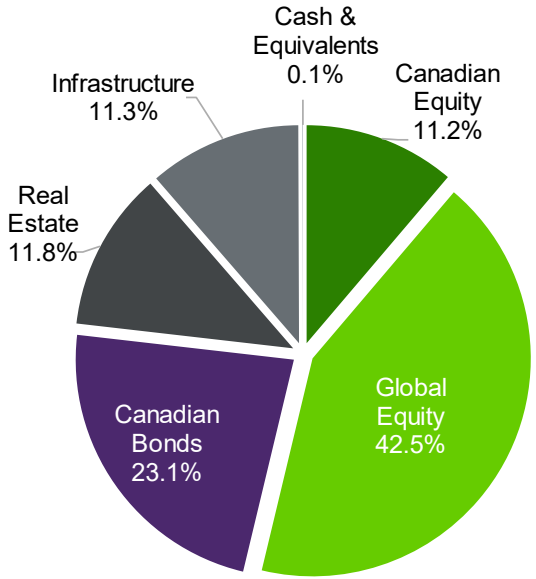
By Manager	Market value	Weight
PH&N	$24,682,171	22.0%
Fiera	$11,988,782	10.7%
Mawer	$21,552,716	19.2%
Schroders	$23,943,048	21.4%
Manulife	$12,642,161	11.3%
IFM	$12,093,250	10.8%
Jarislowsky Chair Account	$5,132,365	4.6%
Crestline	$4,551	0.0%
Cash	$57,011	0.1%
Total	**$112,096,056**	**100.0%**

[1] Figures may not add to 100% due to rounding.
[2] Source: CIBC Mellon, Jarislowsky Fraser, IFM.

Endowment Fund Review – Asset Allocation Review

As at March 31, 2025

Breakdown by Asset class[1,2,3]



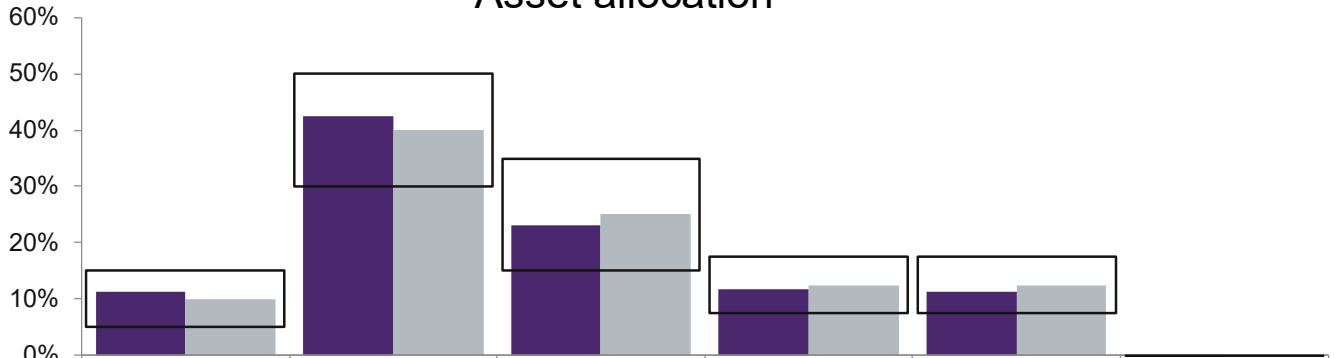
By Asset class	Market value	Weight
Canadian Equity	$11,988,782	11.2%
Global Equity	$45,495,763	42.5%
Canadian Bonds	$24,682,171	23.1%
Real Estate	$12,642,161	11.8%
Infrastructure	$12,093,250	11.3%
Cash & Equivalents	$57,011	0.1%
Endowment (Multi-manager) total	**$106,959,139**	**100.0%**

[1] Figures may not add to 100% due to rounding.
[2] Source: CIBC Mellon, Jarislowsky Fraser, IFM.
[3] Excludes Jarislowsky Fraser Chair Account and the FD Northwater Fund

Endowment Fund – Compliance Review

As at March 31, 2025

Asset allocation[1,2]



	Canadian Equity	Global Equity	Canadian Bonds	Real Estate	Infrastructure	Cash & Equivalents
Fund	11.2%	42.5%	23.1%	11.8%	11.3%	0.1%
Target	10.0%	40.0%	25.0%	12.5%	12.5%	0.0%
Minimum	5.0%	30.0%	15.0%	7.5%	7.5%	0.0%
Maximum	15.0%	50.0%	35.0%	17.5%	17.5%	0.0%

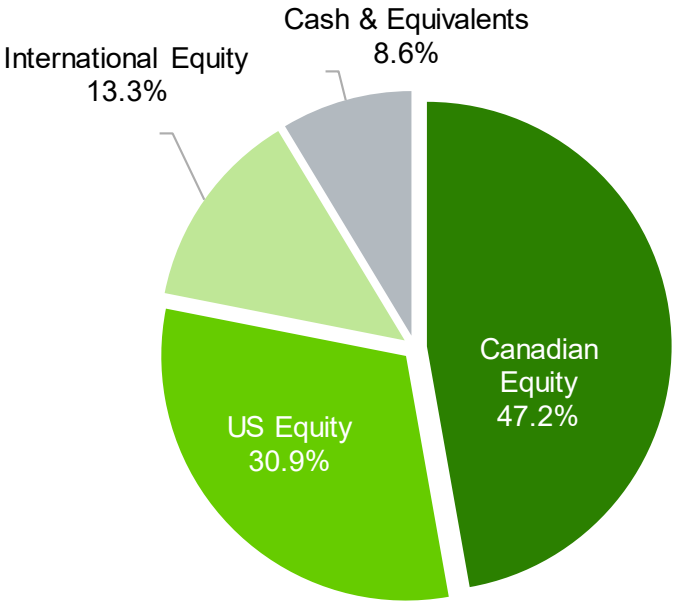
Asset Mix for the Endowment is in compliance with the Statements of Investment Policies & Procedures (“SIP&Ps”) as of March 31, 2025

[1] Figures may not add to 100% due to rounding.
[2] Source: CIBC Mellon, Jarislowsky Fraser, IFM.

Jarislowsky Chair Account – Asset Allocation Review

As at March 31, 2025

Breakdown by Asset class[1,2]



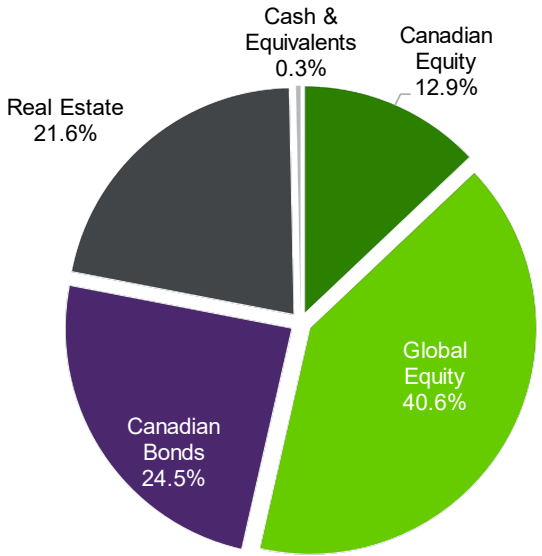
By Asset class	Market value	Weight
Canadian Equity	$2,422,600	47.2%
US Equity	$1,585,854	30.9%
International Equity	$680,309	13.3%
Cash & Equivalents	$443,602	8.6%
Total	**$5,132,365**	**100.0%**

[1] Figures may not add to 100% due to rounding.
[2] Source: Jarislowsky Fraser.

Sinking Fund Review – Asset Allocation Review

As at March 31, 2025

Breakdown by Asset class[1,2]



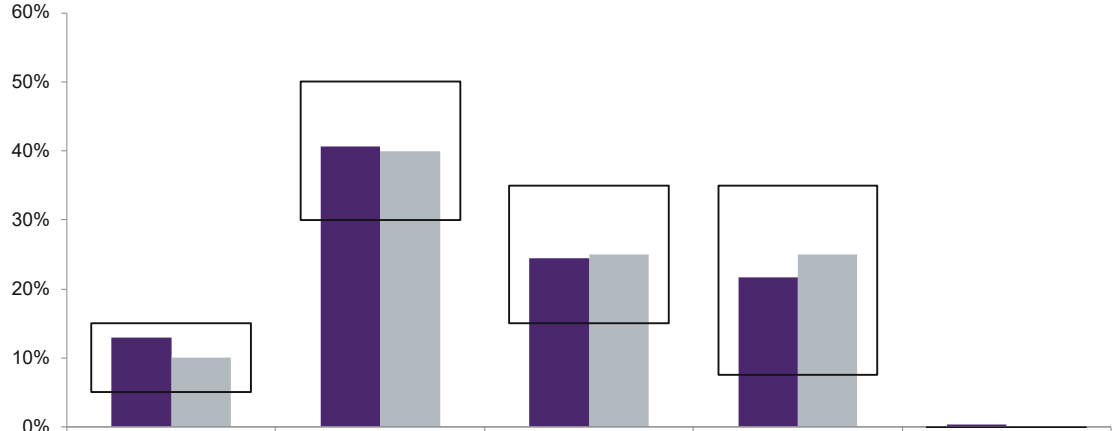
	Market value	Weight
Canadian Equity	$619,161	12.9%
Global Equity	$1,943,827	40.6%
Canadian Bonds	$1,170,495	24.5%
Real Estate	$1,034,956	21.6%
Infrastructure	$0	0.0%
Cash & Equivalents	$16,115	0.3%
Total	**$4,784,553**	**100.0%**

[1] Figures may not add to 100% due to rounding.
[2] Source: CIBC Mellon.

Sinking Fund – Compliance Review

As at March 31, 2025

Asset allocation[1,2]



	Canadian Equity	Global Equity	Canadian Bonds	Real Estate	Cash & Equivalents
Fund	12.9%	40.6%	24.5%	21.6%	0.3%
Target	10.0%	40.0%	25.0%	25.0%	0.0%
Minimum	5.0%	30.0%	15.0%	7.5%	0.0%
Maximum	15.0%	50.0%	35.0%	35.0%	0.0%

Asset Mix for the Sinking Fund is in compliance with the Statements of Investment Policies & Procedures (“SIP&Ps”) as of March 31, 2025

[1] Figures may not add to 100% due to rounding.
[2] Source: CIBC Mellon

Appendix

Appendix: Total Fund Benchmark Composition

From	To	S&P/TSX Composite TR Index	S&P 500 TR Index, net, C$	S&P 500 TR Hedged Index, net, C$	MSCI EAFE TR Index, net, C$	MSCI ACWI TR, net, C$	FTSE Canada Universe Bond Index	FTSE Canada 91-Day T-Bill Index	Annual Return of 6%	Total
June 30, 2022	Present	10.00%	--	--	--	40.00%	25.00%	--	25.00%	100.00%
Dec. 31, 2012	June 30, 2022	20.00%	10.00%	10.00%	20.00%	--	37.00%	3.00%	--	100.00%

Glossary of Terms

Standard Deviation

A measure of the variability of a series of returns around the average, or expected value. Typically used as a proxy for a level of risk.

Tracking Error

A measure of the volatility of excess returns relative to a benchmark. It quantifies how closely a portfolio follows its benchmark index, representing the standard deviation of the difference between the portfolio's returns and the benchmark's returns.

Sharpe Ratio

A metric to assess the performance of an investment compared to a risk-free asset, after adjusting for its risk. It is calculated by subtracting the risk-free rate from the return of the investment and then dividing the result by the investment's standard deviation of returns.

Information Ratio

A measure of a portfolio manager's ability to generate excess returns relative to a benchmark, divided by the tracking error of the portfolio. It highlights the consistency and efficiency of generating superior returns.

Downside Market Capture

A statistic that indicates how a portfolio's performance correlates with negative benchmark returns. It represents the percentage of downside movement a portfolio captures when the market declines.

Upside Market Capture

A statistic that measures how a portfolio's performance correlates with positive benchmark returns. It indicates the percentage of upside movement a portfolio captures when the market rises.

Board Report

Session: ☐ Closed Session; ☒ Open Session
Action Requested: ☐Decision; ☐ Discussion/Direction; ☒ Information
To: Board of Governors
Date: June 20, 2025
Presented by: Jennifer McGarrity, Chair, Audit & Investment Committee
Julie Davis, VP External Relations & Development
Subject: **Annual Endowment Fund Distribution Report**

Motion for Consideration (if applicable):

That the Board of Governors receive this report for information.

Executive Summary:

Trent University's endowment is an important source of revenue for departments across both our campuses. In the current budget situation, when the University is having to make difficult decisions about how to manage reduced resources, the endowments have been essential to filling funding gaps, as well as offering scholarships and bursaries to assist student recruitment and retention.

Figure 1 on Trent's Historical Returns are based on reports from December 31, 2024. These returns exceed the SIPP target of a real rate of return over a four-year trailing period of 4.6% gross of fees and expenses, except in the current year where a higher CPI affected the return. Nevertheless, performance above targets in the previous years and expectations of declining CPI warrant maintaining the current distribution rate of 3.5%.

Analysis/Alternatives Considered:

	General Endowment	**Jarislowsky Endowment**
March 31, 2025	2025 Preliminary	2025 Preliminary
Book Value	$90,809,845.11	$4,213,628.44
Market Value	$107,618,608.55	$5,115,947.00

As the Figure 1 table shows, this year's annual real return on our General Endowment (6th column) is slightly below 4.6 target. Yet, the 2025 4-year average rolling real rate of return is currently 7.71%, which is considered strong. The higher CPI affected our 4-year real rate of return. This percentage is used to monitor Trent's distribution rate. No change in distribution rate is recommended.

Figure 1: Trent University – Historical Returns based on Calendar Year

General Endowment Fund Returns by Calendar Year

Calendar Year	Annual Rate of Return	Annual Change in CPI	Annual Real Return	4 Year Rolling Average Return	4 Year Rolling Average of CPI	4 year Rolling Average Real Return
2015	5.62%	1.36%	4.26%	9.48%	1.26%	8.22%
2016	6.92%	1.18%	5.74%	9.07%	1.35%	7.72%
2017	8.89%	2.01%	6.88%	7.74%	1.62%	6.12%
2018	-2.84%	1.67%	-4.25%	4.64%	1.55%	3.09%
2019	14.18%	2.16%	12.02%	6.78%	1.75%	5.03%
2020	10.00%	1%	9.00%	7.54%	1.70%	5.84%
2021	10.50%	4.60%	5.9%	7.94%	2.35%	5.59%
2022	2.6%	6.6%	-4.0%	9.30%	3.59%	5.72%
2023	10.3%	3.1%	7.2%	8.34**%**	3.82%	4.52%
2024	7.4%	1.8%	5.6%	**7.71%**	4.03%	3.68%

Financial Implications:

Trent University's endowment funds are used in a variety of areas across the University. Scholarships, bursaries, academic programs, professorships, athletics plus our library and colleges are a few examples of the breadth of areas the endowment funds support.

Though the monies are pooled, across the various fund managers, internally Trent manages the specific terms and spending of over 900 independent accounts. The chart below demonstrates that even with the fluctuations in market performance, the endowment has provided a steadily increasing stream of available resources to the University.

In a time of budget constraints, the endowment provides a sustainable funding source. As our endowment has now grown to over $107M so too has the amount distributed annually has also grown.

This year, the amount distributed from our endowment topped an all-time high of over $3.72 million. Over the past ten years we have been able to distribute over $26.4 million, in support of teaching, research, students and our campus communities.

Figure 4 - Ten Year Distribution from the endowments

Year	Endowment Distribution
2016	1,956,659
2017	1,990,775
2018	2,288,432
2019	2,644,603
2020	2,525,131
2021	2,403,475
2022	2,611,906
2023	3,016,823
2024	3,292,421
2025	3,723,398
Total	**$26,453,623**

Note: Reduction in distribution rate from 4.0% to 3.5% occurred in 2019, thus impacting the amount distributed in 2020.

Enterprise Risk Assessment:

In 2022, the Board diversified its investment strategy for the Endowment Fund to minimize the impact of significant market fluctuations and risk.

The balancing act requires the Board to consider the purchasing power of the Endowment Fund as well as the annual distribution rate to maintain a constant payout to meet the Endowment's longer-term commitments.

Considerations in reviewing the distribution rate should consider:

- The Board's obligation to ensure the long-term financial stability of the endowment funds, while making prudent decisions to maintain donor confidence and create an environment to attract more donations.
- Donor's intention to accomplish an impact. Endowed funds are established with the primary goal of accomplishing specific outcomes such as supporting student success opportunities.
- The negative impact of any market decline may include students receiving less support or departments that rely upon these funds to provide services or purchasing learning resources, having less available monies.
- Funds established for scholarships form part of the recruitment package Trent offers. This is particularly the case for graduate recruitment, which is highly competitive and where funds available to students may heavily influence their enrolment decision.
- During a time of fiscal restraint, endowments are a vital funding source.

Next Steps:

The Advancement Office will be providing the annual stewardship reports to donors that reports on the fund performance, use of the funds, as well as the *2024-25 Momentous* Impact Report.

Alignment with Mission, Vision, Values, Strategic Plan:

Our endowments provide a layer of financial sustainability for the University. The Board of Governors Strategic Directions 22-26/27 theme 3 emphasizes the importance of Trent's financial health and sustainability. Meanwhile, the President's 2024-2029 mandate also focuses on the University's revenue streams as well as a dedication to Trent's $100 million Momentous Campaign and philanthropy.

Trent is currently re-evaluating its mission and vision.

Consultation:

Endowment figures were received from the Finance Department.

Compliance with Policy/Legislation:

Trent Statement of Investment Policies and Procedures for the Endowment Fund reads as follow:

1.03 Objective of the Fund
The University's long-term goal is to achieve real capital and income growth to offset future distributions which support the University's teaching/research mission. The Fund must earn a real rate of return over a trailing four-year period of 4.6%, gross of fees and expenses, to meet its following obligations:
• Annual distribution target of 3.5%;
• Allowance of a maximum 1.1% for investment management fees and operational expenses; and • Maintain the purchasing power of the endowed capital (defined as the annual change in the Canadian Consumer Price Index).

Distribution Policy
It is the policy of the Committee to distribute, following each calendar year, an amount calculated as follows: The annual distribution rate from the Endowment Fund will be 3.5% of the average market value of the total Endowment over a trailing four-year period, as of the end of the prior calendar year. The distribution rate of 3.5% assumes a 4.6% real rate of return, gross of fees and expenses, over the long term for the Fund.

Committee/Board Mandate:

Special Resolution II.6, section 1.03 outlines the distribution policy for the endowment funds, and requires the Audit & Investment Committee to review the distribution policy and performance of the Endowment Fund at least annually to ensure the appreciation of the Fund is adequate to sustain the following items:

1. Purchasing power of the Endowment Fund by growing the fund at the rate of inflation
2. The annual distribution rate of the Endowment Fund to maintain a constant payout to meet the Endowment's longer-term commitments.

Supporting Reference Materials (attached):

None

Board Report

Session: ☐ Closed Session; ☒ Open Session

Action Requested: ☒ Decision; ☐ Discussion/Direction; ☐ Information
To: Board of Governors
Date: June 20, 2025
Presented by: Mike Lavallée, Chair, Finance & Property Committee
Tariq Al-idrissi, VP Finance and Administration

Subject: **2024/2025 Year-End Appropriations**

Motion for Consideration (if applicable):

That the Board of Governors approve the year-end appropriations in the amount of the 2024/2025 operating surplus, currently estimated at $2.8 million, be added to the operating pressures contingency appropriation as recommended by senior management.

Executive Summary:

In follow up to the Financial Update to April 30, 2025 provided at the June 11, 2025 Finance and Property Committee meeting, preliminary financial results for the fiscal year 2024/2025 indicate an excess revenue over expenses of approximately $2.8 million after approved departmental carry forwards and known year-end adjustments. This preliminary estimate is subject to final year-end adjustments and the completion of the year-end audit.

At this time, senior administration is recommending year-end appropriations in the amount of the 2024/2025 operating surplus, currently estimated at $2.8 million, be added to the operating pressures contingency appropriation at April 30, 2025 to address future operating pressures and financial challenges.

Analysis/Alternatives Considered:

Trent's preliminary estimate at April 30, 2025 indicates a positive financial position for fiscal 2024/2025 resulting primarily from additional Ministry nursing and special purpose grants, greater interest income on short-term investments, and unspent departmental budgets due to in-year temporary faculty and staff vacancies and/or higher than planned cost recoveries.

The University continues to operate in a challenging fiscal environment where government operating funding is fixed with some operating grants being time-limited or one-time only, domestic tuition rates continue to be frozen, government restrictions on

international students are negatively impacting recruitment and retention of international enrolment and heightening competition for domestic enrolment, and compensation and operating expenses continue to escalate due to inflation and geo-political uncertainties. As a result, the University is projecting significant operating deficits over the next few years without mitigating strategies. It will require a multi-pronged, multi-year approach to regain financial health and sustainability.

Senior administration is recommending $2.8 million of the estimated 2024/2025 operating surplus be appropriated and added to the operating pressures contingency appropriation to help mitigate the financial challenges in the near term while other mitigating strategies are implemented.

Financial Implications:

The operating pressures contingency reserve is projected to have a balance of $38.4 million at the end of April 30, 2025 after in-year transfers and year-end adjustments to/from the reserve and the addition of this appropriation request:

	Amount (000's)
Balance at April 30, 2024	$12,733
Prior-year appropriations reallocated to reserve per Board approval in February 2025	$16,853
Transfer of estimated 2024/2025 unspent Durham Budget (PGCs) in March 2025	$ 2,700
Transfer of estimated 2024/2025 unspent operating pressures contingency provision	$ 3,327
Addition of 2024/2025 operating surplus, estimated (subject to year-end adjustments and final year-end audit)	$ 2,800
Balance at April 30, 2025, estimated (subject to year-end adjustments and final year-end audit)	**$38,413**

Enterprise Risk Assessment:

The financial health of the University is paramount to the University's overall success and ability to fulfill its academic mandate and meet student expectations. Monitoring in-year financial performance against the approved budget is critical to ensuring well-informed decision making regarding the allocation and use of limited resources. Appropriating unspent budgets to contribute towards an operating pressures contingency reserve is an important way to help mitigate financial challenges and projected operating deficits in the short term while other mitigating strategies can be developed and implemented.

Next Steps:

Once approved by the Board of Governors, these funds will be appropriated at April 30, 2025. Actual results for the fiscal year 2024/2025 are subject to change pending the year-end audit, which will take place in July 2025. If there are any significant changes to the

estimated surplus (material additional surplus or shortfall), revisions to this appropriation will be considered in August 2025 when financial results are finalized.

Alignment with Mission, Vision, Values, Strategic Plan:

To fulfill their responsibilities, Governors should be informed of the University's financial situation. Regular financial updates will maintain Governors' awareness of the University's current financial status and allow for input and oversight where needed. Such updates also allow for in-year and year-end decisions for strategic investments if possible, or mitigation strategies as necessary to ensure that it is financially healthy and sustainable.

Compliance with Policy/Legislation:

Complying with a Board of Governors directive, the full Board will receive regular financial updates, through the Finance and Property Committee.

Committee/Board Mandate:

The Board of Governors is responsible for ensuring the financial health of the University and the proper management of its buildings, lands and capital projects. The Finance & Property Committee assists the Board in carrying out these responsibilities by monitoring the institution’s financial, property and capital affairs and making related policy recommendations.

In its finance role, the Committee monitors budget projections and debt levels and recommends operating, ancillary and capital budgets for the approval of the Board of Governors. It recommends levels of student fees, spending authority, loans and lines of credit for Board approval. The Committee makes recommendations to the Board for the approval of any contract or purchase the total value of which exceeds the level of spending established for the President. The Committee may make financial policy recommendations to the Board including but not limited to policies on tuition and ancillary fees, banking, borrowing and purchasing. It may make recommendations to the Board concerning fiscal planning, internal financial controls or other areas affecting the financial health or accountability of the University. The administration may consult with the Committee on the subjects for internal audits and provide follow-up reports.

Supporting Reference Materials (attached):

None

Board Report

Session: ☐ Closed Session; ☒ Open Session

Action Requested: ☒ Decision; ☐ Discussion/Direction; ☐ Information

To: Board of Governors
Date: June 20, 2025
Presented by: Cathy Bruce, President & Vice-Chancellor
Mark Skinner, Interim Provost & Vice-President, Academic
Subject: Trent Farm Research Centre Master Plan

Motion for Consideration (if applicable):

That the Board of Governors approve the Trent Farm Research Centre Master Plan.

Executive Summary:

Research is central to Trent University's mission. The University has recognized the integral role that Research Organizations play in advancing this mission and in attracting and retaining leading researchers to Trent University.

Basterfield and Associates (B&A) in collaboration with Dougan Ecology, Engage Engineering, and Unity Design Studio were retained to prepare a Farm Master Plan (FMP) for Trent University in Peterborough, Ontario.The proposed FMP will serve as a teaching and research facility, consistent with the guidelines for development articulated by the Endowment Lands Planning Group in 1992.

The purpose of the Master Plan is to review the existing site conditions and opportunities and constraints that should be considered during the programming development of the site. This project is informed by the guiding principles and vision of the Trent University's Lands and Nature Areas Plan (TLNAP, 2021), sustainable best practices, and through a community engagement process which included Trent University students, staff, faculty, administration, indigenous partners, and community members interested in sustainable agricultural research and innovation.

Development of The Trent Farm Master Plan is one of the initial implementation projects following the adoption of the TLNAP in 2021. Planning for the new farm unlocks an exciting process, balancing ecological and cultural goals that will produce a blueprint for a new phase of research in sustainable agriculture at Trent.

The project site is on the urban fringe of the City of Peterborough, approximately half a kilometer from the Trent University Symons Campus. To the west of the subject site are the sprawling Trent Nature Areas including trails, a provincially significant wetland, and

other important natural heritage and recreational areas. North of the subject site off Pioneer Road is the Cleantech Commons which currently is a fledgling research and innovation hub with roadways, stormwater infrastructure, and a segment of walking trail. East across the Douro 9th Line are commercial agricultural areas, an area of Natural and Scientific Interest and core areas of the Provincial Natural Heritage System.

This master plan concentrates on the main parcel at the intersection of Pioneer Road and Douro 9th Line. Two satellite properties further to the south on Douro 9th Line have been identified as future farm development properties but are not included in the Master Plan at this time.

Analysis/Alternatives Considered:

Trent University, in collaboration with the project team conducted three invitational engagement sessions on Trent Campus. These sessions included emailed invitations, presentations by the project team to provide an overview of the project, review of project milestone deliverables, workshop exercises for the attendees to complete during the session, and summary matrices prepared by Basterfield and Associates following each engagement.

Financial Implications:

Trent University's Board of Governors approved an allocation of $350,000 as a strategic investment to support base operations in years 1-5 as the Research Centre and the Farm itself are established. The farm has also already garnered a number of donations including for the building of a drive shed.

Enterprise Risk Assessment:

Research organizations aid in attracting and retaining leading researchers.

Next Steps:

Once approved the Farm Master Plan will serve as the guiding document in the further development of the Trent Research Farm.

Alignment with Mission, Vision, Values, Strategic Plan:

Research Organizations play an integral role in advancing Trent University's mission to encourage and celebrate excellence and innovation in research, while attracting and retaining leading researchers.

Consultation:

The Farm Master Plan was reviewed by members of the Trent Farm Master Plan Advisory Committee. The project team conducted three invitational engagement sessions on Trent Campus.

Compliance with Policy/Legislation:

Implementation of the Plan is subject to relevant regulations at a local, provincial or federal level that are outlined in the Plan.

Trent Lands and Natures Area Plan

Committee/Board Mandate:

The Trent Lands Committee Terms of Refernence note:

- The Trent Lands Committee is a standing committee of the Board of Governors (Board), and is responsible for implementing aspects of the Trent Lands Master Plan (Master Plan).
- The committee shall: Recommend for approval any policies, procedures or plans for the development, stewardship, control, and oversight of the Endowment Lands.

Trent Act – "…the government, conduct, management and control of the University and of its property, revenues, expenditures, business and affairs are vested in the Board, and the Board has all powers necessary or convenient to perform its duties and achieve the objects and purposes of the University…"

Supporting Reference Materials (attached):

Trent Research Farm Master Plan

Research Farm Master Plan

Cultivating Agricultural Innovation

Prepared by:

Basterfield and Associates
LANDSCAPE ARCHITECTS
416 Chambers St., Peterborough, ON K9H 3V1
705.745.3623 www.basterfield.ca

In Association With:
Dougan Ecology
Engage Engineering
Unity Design Studio

May 9, 2025
B&A Project Number: 23-41

Land Acknowledgement

Basterfield and Associates and our entire project team respectfully acknowledge that this project is located on the Treaty 20 Michi Saagiig territory and in the traditional territory of the Michi Saagiig and Chippewa Nations, collectively known as the Williams Treaties First Nations, which include: Curve Lake, Hiawatha, Alderville, Scugog Island, Rama, Beausoleil, and Georgina Island First Nations. We respectfully acknowledge that the Williams Treaties First Nations are the stewards and caretakers of these lands and waters in perpetuity, and that they continue to maintain this responsibility to ensure their health and integrity for generations to come. We offer our gratitude to the First Nations for their care for, and teachings about, our earth and our relations. May we honour those teachings.

Rights and Distribution

Please note that the findings herein are not intended for implementation but are for the purposes of presenting the project and concepts only.

-

Part 1: Farm Master Plan Design

Executive Summary

Purpose of Master Plan

Basterfield and Associates (B&A) in collaboration with Dougan Ecology, Engage Engineering, and Unity Design Studio have been retained to prepare a Farm Master Plan (FMP) for Trent University in Peterborough, Ontario. The proposed FMP will serve as a teaching and research facility, consistent with the guidelines for development articulated by the Endowment Lands Planning Group in 1992. The purpose of this memorandum is to review the existing site conditions and opportunities and constraints that should be considered during the programming development of the site. This project is informed by the guiding principles and vision of the Trent University's Lands and Nature Areas Plan (TLNAP, 2021), sustainable best practices, and through a community engagement process which included Trent University students, staff, faculty, administration, indigenous partners, and community members interested in sustainable agricultural research and innovation.

Development of The Trent Farm Master Plan is one of the initial implementation projects following the adoption of the TLNAP in 2021. The TLNAP builds upon the original vision for the University:

> **"The university site is located at the base of the Pre-Cambrian Shield, close to the edge of the still wild land of northern Ontario…It is necessary to create a new environment within this natural environment, to take a fine line between creating a university which becomes part of this larger landscape, yet one which produces its own more urban landscape within, such as is essential to produce an academic concentration. It should be possible for people in the University to enjoy the best of both of these different worlds without either one being compromised to allow for the presence of the other."**
>
> (Ron Thom, Master Plan, Trent University, 1964)

Planning for the new farm unlocks an exciting process, balancing ecological and cultural goals that will produce a blueprint for a new phase of research in sustainable agriculture at Trent.

History and Description of Property

The goal of developing infrastructure for regenerative agriculture at the University is the core of this project. The site for the new sustainable farm activities was identified in the TLNAP and is approximately 23 hectares (57 acres) of existing agricultural land located at the southwest corner of Pioneer Road and Douro 9th Line. This piece of land has a rich history of agricultural use. For generations it has served as a thriving farm, where crops were cultivated and the rhythms of rural life shaped the land. With deep roots in farming traditions, the property has not only contributed to local food production but has also witnessed the changing practices and advancements in agriculture over time. Today, it stands as a testament to the enduring connection between the land and those by whom it has been tended.

The project site is on the urban fringe of the City of Peterborough, approximately half a kilometer from the Trent University Symons Campus. To the west of the subject site are the sprawling Trent Nature Areas including trails, a provincially significant wetland, and other important natural heritage and recreational areas. North of the subject site off Pioneer Road is the Cleantech Commons which currently is a fledgling research and innovation hub with roadways, stormwater infrastructure, and a segment of walking trail. East across the Douro 9th Line are commercial agricultural areas, an area of Natural and Scientific Interest and core areas of the Provincial Natural Heritage System.

For the purposes of this master plan, we have been asked to concentrate on the main parcel at the intersection of Pioneer Road and Douro 9th Line. Two satellite properties further to the south on Douro 9th Line have been identified as future farm development properties, but are not included in the Master Plan at this time.

Project Timeline

2021	• Trent Lands and Nature Areas Plan (TLNAP) was approved by the University's Board of Governors to provide direction for the protection and enhancement the natural environment across the campus. One outcome of the TLNAP was the decision to move the existing experimental farm from its current location along Douro 9th Line which was partially located within a Provincial Highway Reserve to a new location along the south side of Pioneer Road. A Farm Master Plan is required to support the full transition to the new location and the farm's long-term development.
2023 *September*	• RFP Issued.
October	• RFP Closed.
2024 *January*	• Basterfield and Associates is hired to produce a master plan for the farm.
February	• Site visit completed. • Background information review completed.
March	• Background Review Memo prepared and submitted to Advisory Committee.
April	• Engagement Session 1: Programming Workshop conducted. • Engagement Summary report prepared and submitted to Advisory Committee. • Preliminary Programming Recommendations report prepared and submitted to Advisory Committee.
May	• 50% Draft Report Framework prepared and submitted to Advisory Committee. • Preliminary Site Relationship Drawings. • Preliminary Conceptual Site Plan prepared by Basterfield and Associates. • Engagement Session 2: Conceptual Site Planning Workshop conducted. • Engagement Summary report prepared and submitted to Advisory Committee.
June - October	• Trent University Project Manager personnel transition. • Trent University coordinated internally to conduct additional round of feedback from Advisory Committee. • B&A met with Trent University Project Manager to receive summary of feedback.
November - December	• B&A coordinated with Trent University to revise the Preliminary Conceptual Site Plan to incorporate additional feedback.
2025	
January	• Additional Engagement Session with the Advisory Committee to review the revised Preliminary Conceptual Site Plan. • Received Advisory Committee approval on the Revised Preliminary Conceptual Site Plan.
March	• Draft 70% Master Plan Report prepared and submitted to Advisory Committee.
April	• Revised Master Plan Report to incorporate feedback received on the Draft 70% submission. • Draft 90% Master Plan Report prepared and submitted to Advisory Committee.
May	• Revised Master Plan Report to incorporate feedback received on the Draft 90% submission. • Final Master Plan Report prepared and submitted to Advisory Committee.

Farm Master Plan Team Members

Advisory Committee

- *Dr. Cathy Bruce* - President and Vice-Chancellor
- *Jennifer Clinesmith* – Former Project Manager, Director of Campus Planning and Development
- *Ali Giroux* - Land Stewardship Coordinator
- *Alison Scholl* - Senior Manager, Community and External Relations
- *Catherine Eimers* - Associate Director, School of the Environment
- *Chris D'Innocenzo* – Manager, Facility Services
- *Dr. Karen Thompson* - Program Coordinator of the Sustainable Agriculture and Food Systems Program
- *Dr. Stephen Hill* - Director of Trent School of the Environment
- *Dr. Holger Hintelmann* – Dean of Arts and Science, interim Vice President of Research and Innovation
- *Katherine MacDonald* – Project Manager, Director of Campus Planning and Development
- *Lindsay Rupert* – Former Project Manager
- *Matt Porter* - Farm Operations Coordinator
- *Robert Ballarin* - Back-up Project Manager
- *Shelley Strain* - Sustainability Coordinator

Project Team

Basterfield and Associates
Landscape Architects

- *Brian Basterfield* - Site Planning Lead
- *Helen Batten* - Principal-in-Charge
- *Nichelle Leeson* - Project Coordination, Map and Graphic Production

Dougan Ecology
Ecological Consultant

- *Todd Fell* - Advisor
- *Matthew Iles* – Ecology Lead
- *Ryan Smith* – Ecology Support
- *Jade Lacsamana* – GIS Support
- *Emily Heizer* – GIS Support

Engage Engineering Ltd.
Civil Engineering

- *Nicole Cameron* – Civil Lead
- *Dylan Radcliffe* – GIS and Sustainability Coordinator

Unity Design Studio
Architect

- *Bill Lett – Architectural Lead*

Mission Statement

Intent for the Research Farm (based on the TLNAP)

From the Trent University Farm Master Plan RFP 2023-062-AC:

The Farm Master Plan will include a preliminary site analysis and describe the state of the existing resources and limitations (e.g., climatic restraints, soils, topography, drainage, ecological elements, legal/zoning issues, cultural heritage, vegetation and wildlife considerations, site accessibility and safety) and identify appropriate locations within the Farm property to serve the different user needs as well as their resource and operational cost requirements, considering short, medium and long-term goals and vision of the Farm. The Plan will further identify the appropriate location for a farm building and servicing options. In keeping with the values of the Trent School of the Environment, the Plan, buildings and infrastructure should consider and recommend sustainable approaches for buildings, infrastructure and activities and be consistent with goals and objectives of the TLNAP. (RFP 2023-062-AC, 2023, page 20)

- *Identify potential uses of land within the Farm property. The proposed usage map should consider existing 'permanent' features of the Farm, including tile-drained research plots and the Trent Climate Station, and consider both the short and long-term research objectives, teaching /programming support, and community engagement needs of the Farm.*
- *A preliminary assessment and description of existing resources and limitations of the farmland*
- *Proposed usage and constraints map of the property, including spaces and associated infrastructure for research, teaching, student group and community activities*
- *Concept drawings of potential buildings, trails or related infrastructure, and potential commercial opportunities*
- *Use and activity recommendations based on agroecological, circular economy and net zero approaches (RFP 2023-062-AC, 2023, page 22)*

> **"The System-level Plan will provide direction that considers existing form and functions, and identifies opportunities that support the system through the three components of the UGN: Natural Features and Areas, Ecologically Supportive Features and Areas, and Hydrologically Supportive Features and Areas."**
>
> (TLNAP, 2021, page 200)

Direction from the TLNAP

The Trent Lands and Nature Areas Visions for Trent Farm

The future of the Trent farm is regenerative. Regenerative agriculture is designed to restore soil health and biological diversity from beneficial insects to micro-organisms and fungi. It presents an opportunity to integrate Indigenous Traditional Knowledge and engage with local communities.

The key is that it extends beyond the principle of 'do no harm', to generously give back to the living systems of which we are a part. It is a way of being that embraces circularity and nutrient recycling, stewardship and recognizes our responsibility to future generations that will inhabit the living world. Such a system combines optimization of food production with nature and biodiversity protection. By doing so, it also provides net benefits to the natural environment. (TLNAP, 2021, page 75)

Vision

"Create an inspiring, sustainable and complete community to learn, live, innovate, and be active."

(TLNAP, 2021, page VI)

Guiding Principles

Learning and Discovery – The Trent lands will prioritize teaching and research and will support and inspire land-based and experiential learning, showcasing Indigenous Traditional Knowledge and the history of the lands.

Environmental Resilience and Integrity – Trent's conservation and land use approaches will enhance the local environment and demonstrate leadership in environmental and Indigenous education through restoration efforts and a landscape-led, systems-based approach to development.

Economic Resilience, Leadership and Innovation – The Trent Lands will enhance the University's reputation and introduce sustainable funding sources by targeting critical issues facing our communities, applying best and emerging practices in development, and establishing engaging partnerships with the campus, local and Michi Saagiig communities.

Social Resilience, Community and Inclusivity – The Trent Lands will enhance a sense of belonging, promote physical and mental health, and provide inclusive social infrastructure that connects the campus to the community and to nature.

Goal

"Demonstrate leadership in environmental education and stewardship, respect for Indigenous Traditional Knowledge, and thoughtful integration of the natural and built environment."

(TLNAP, Executive Summary, page vi)

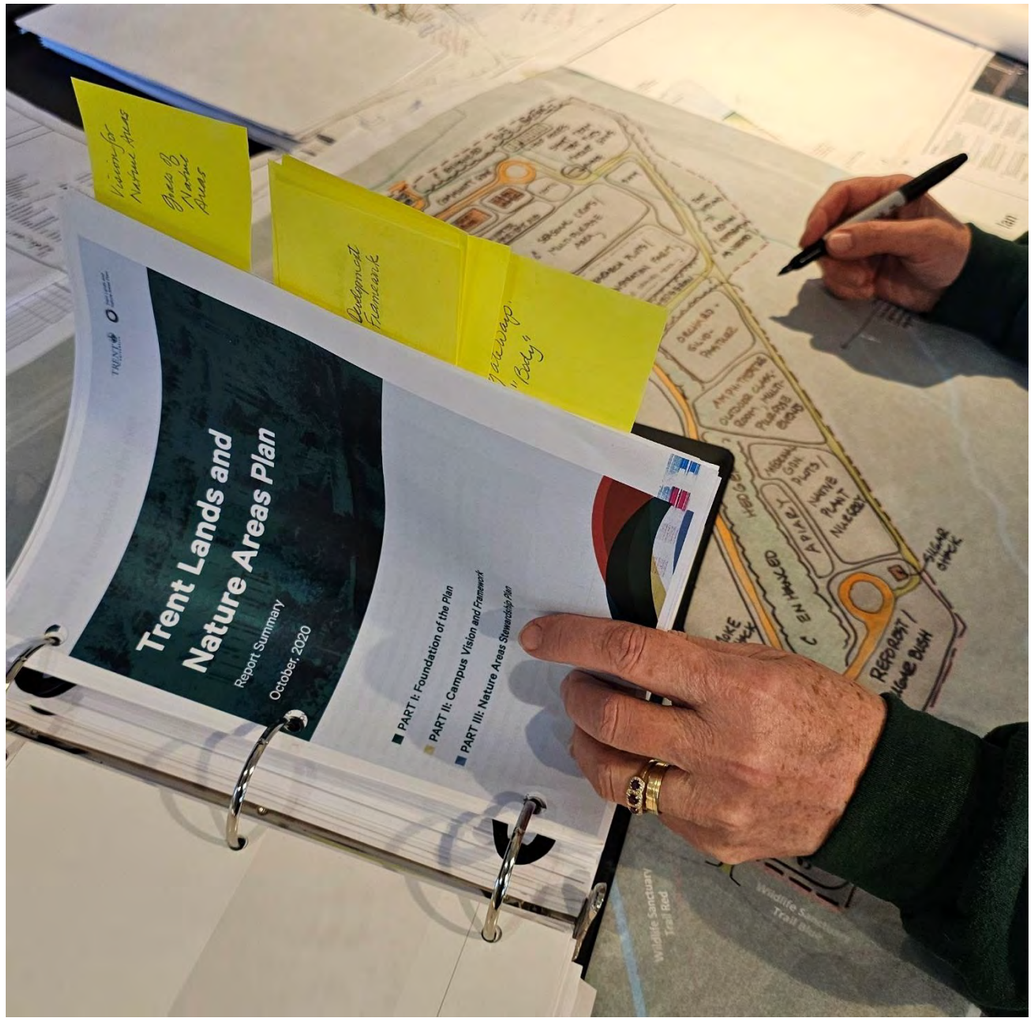
The Master Plan Process

Successful master planning and design results are achieved through a collaborative process that builds upon a shared understanding of the land, it's opportunities and limitations, project goals, achievable uses and a plausible implementation.

Research Farm Master Plan Process

1. The overall goals of the project are identified, and the site is selected.
2. Then begins a cyclical and inclusive process that results in a custom-made master plan outcome for people (and nature and the environment) and their needs and activities on the particular site. First understand existing conditions. This includes the regulatory framework for approvals, as well as biophysical analysis of the site.
3. Concurrently, it is essential to seek a thorough understanding of what people want for the project; the goals and objectives, master plan programme or wish-list. Activities and uses of the site at all times of day and all times of year must be articulated. All long-term plans, as well as medium and short-term plans need to be on the table at the beginning of the project. Stakeholder/user 'must-haves' versus 'like-to-haves' need to be identified.

   We utilize an exciting process of engagement of people whose experience and aspirations are sought to inform the project. It is consensus-building and inclusive. Trent University, through the TLNAP has a strong commitment to this engagement, which is one of the next steps in the process, to be conducted after the Advisory Committee reviews this document.
4. The master plan programme combined with existing conditions informs the opportunities and constraints to design choices. Opportunities and Constraints are not fully understood in the absence of the design programme.
5. Then follows a circular process of master plan development and evaluation. The master plan evolves as preliminary ideas are tested against the original design programme and site conditions, and repeated refinements take place.
6. Preliminary design and evaluation.
7. Refined design and evaluation.



Engagement Process

Trent University, in collaboration with the project team conducted three invitational engagement sessions on Trent Campus. These sessions included emailed invitations, presentations by the project team to provide an overview of the project, review of project milestone deliverables, workshop exercises for the attendees to complete during the session, and summary matrices prepared by Basterfield and Associates following each engagement.

Engagement Session #1 – Programming Workshop

In accordance with the TLNAP, we engaged two audiences for the first session. Trent invited a total of 40 individuals who are members of various groups at Trent University and external stakeholders from several farming-related sectors. The external stakeholders represented organizations that are both local to the Peterborough area and Provincial organizations. This was an afternoon engagement session on April 3rd, 2024. Of the 40 invitees, 27 in total were present and included representatives from:

Trent University

- The School of the Environment
- Department of Biology
- Chanie Wenjack School of Indigenous Studies
- Sustainable Agriculture and Food Systems
- Research and Innovation
- Farm Operations
- Campus Planning
- Land Stewardship
- Community and External Relations
- Sustainability
- Facility Services
- Trent Vegetable Gardens
- Society for Ecological Restoration
- Trent Apiary

External Stakeholder

- Peterborough Agricultural Society
- Ecological Farmers Association of Ontario
- Ontario Ministry of Agriculture, Food and Rural Affairs
- Ontario Federation of Agriculture
- Ecology Park
- Lakefield College School
- Camp Kawartha
- Ontario Soil and Crop Improvement Association
- Farms at Work
- Local Residents

This session was focused on gathering initial feedback on agricultural activities for which the University and community desired to find a place. B&A presented the existing conditions of the site and its context, analysis based on the ecological, infrastructure, and architectural considerations for the site, and the goals for the final master plan. The presentation was followed by a workshop session to receive feedback on four specific questions:

8. What research/education activities would you like to see included at the Farm?
9. What physical facilities are need to support the research/education activities at the Farm?
10. What features would you like to see accessible for the public/community to use at the Farm?
11. What special events would you like to see supported at the Farm?

The feedback received during this engagement session defined the programming goals for Basterfield and Associates to consider during the development of preliminary conceptual site plan. Refer to page 8 for a full list of the programming elements considered.

Engagement Session #2 – Conceptual Site Planning Workshop

In accordance with the RFP, the second engagement session was attended by Trent University representatives and the Farm Master Plan Advisory Committee. This was an afternoon engagement session on March 20th, 2024.

In this session, Basterfield and Associates presented the preliminary conceptual site plan with precedent imagery of key areas of the proposed plan. The presentation was followed by a workshop session to receive feedback on four specific questions:

1. What do you like most about the conceptual site plan?
2. What do you like least about the conceptual site plan?
3. Is there anything about the conceptual site plan that you cannot live with?
4. Is there anything about the conceptual site plan that we have missed?

The feedback received during this engagement session further informed the programming goals for B&A to reference while revising the conceptual site plan.

Engagement Session #3 – Revised Conceptual Site Plan Presentation

The final engagement session participants were Trent University representatives and the Farm Master Plan Advisory Committee. This was an afternoon engagement session on January 8th, 2025.

This session reviewed the revised conceptual site plan prior to finalizing the master plan. Basterfield and Associates presented the revised plan along with precedent imagery of all described features on the plan. The presentation was followed by an open discussion to receive final feedback from the Advisory Committee and endorsement in principle prior to the design team's commencement of the associated report writing. The feedback received during this engagement session included minor revisions to the proposed conceptual site plan.

Satellite Site Considerations

During our first engagement session, we heard recommendations for activities and revenue-generating activities that the external stakeholders would like to see for community use at the farm. While many of these can occur and have been considered in the proposed master plan for the main farm property, there were a number of activities were deemed to be more appropriate for other sites.

Activities for Consideration on the Satellite Sites

We recommend Trent University considers the following activities for future placement at the two satellite properties located south of the main farm site on Douro 9th Line:

- Arboretum
- Aquaculture
- Barn for animals
- Barn for multi-purpose demonstrations
- Agriculture/livestock events/showcase space
- Geocaching
- Day camp space
- Community green waste drop
- Zen garden
- Groundwater festival
- Industry events (compaction day)

Revenue Generating Activities for Consideration on the Satellite Sites

We recommend Trent University considers the following revenue-generating activities that could help fund the maintenance, research and development of the farm, for future placement at the two satellite properties located south of the main farm site on Douro 9th Line:

- Space rentals for demonstrations, private events, industry events, day camps
- Market garden
- Workshop admission fee
- Sale of special amendments (biochar, compost)
- Native plant and tree nursery
- Research (apply for grants)
- Research trials
- Extension courses and micro-credentials
- Retail space for farm produced products (ex. Maple syrup, honey and beeswax products, fresh vegetables and fruits, and pick-your-own)
- Café and/or restaurant
- Greenhouse bench and/or community garden plot rentals
- Sponsorships/donations, and sponsor/donor recognition
- Field research funding
- Cannabis production and/or retail
- Beer production and/or retail
- Biopharmaceuticals production
- Renewable energy savings

The Master Plan Programme

Research and Education Activities on the Farm

The Master Plan Programme is the 'wish list' of activities, features, landscape character, environmental best practices, and regulations governing implementation of the plan. A broad spectrum of exciting and progressive ideas was identified in the first engagement. As is part of a typical master plan process, all ideas are recorded for consideration, without prioritizing in the initial stages. A goal of programme development is to determine the participants' ideas and wishes, to develop a 'blue sky' canvas for future options and opportunities.

A loose relationship diagram was created after the first engagement (a typical first step in master planning), and presented at the second engagement. In the second engagement, there was more detailed focus on research activities and their physical requirements of the site. Following the second engagement, the design exercise sought to marry components of the first engagement with this more thorough understanding of farm research activities. When translating these elements into spatial relationships/designations and potential facilities for the Master Plan, it was apparent that not all items on the wish list could be physically incorporated within the Project Site boundaries. The preliminary conceptual planning evolved significantly after the second engagement and a third engagement was proposed in order to review the changes. The following Conceptual Master Plan was endorsed at the third engagement.

Design Programme Elements Include:

- Crops/Agricultural Species Research
- Water Agriculture and Infrastructure Research
- Weather Research
- Farm Activity Demonstration Space
- Indigenous Priorities
- Research to Support the Local Community

Physical Facilities Requested on the Farm

- Support Buildings/Areas
- Circulation and Parking
- Education Space
- Servicing Infrastructure
- Food Preparation Space
- Crops/Plantings Areas
- Community Meeting Space
- Equipment
- Retail Space
- Defined Exclusion Zones for Sensitive Research

Features Accessible for Public / Community Use

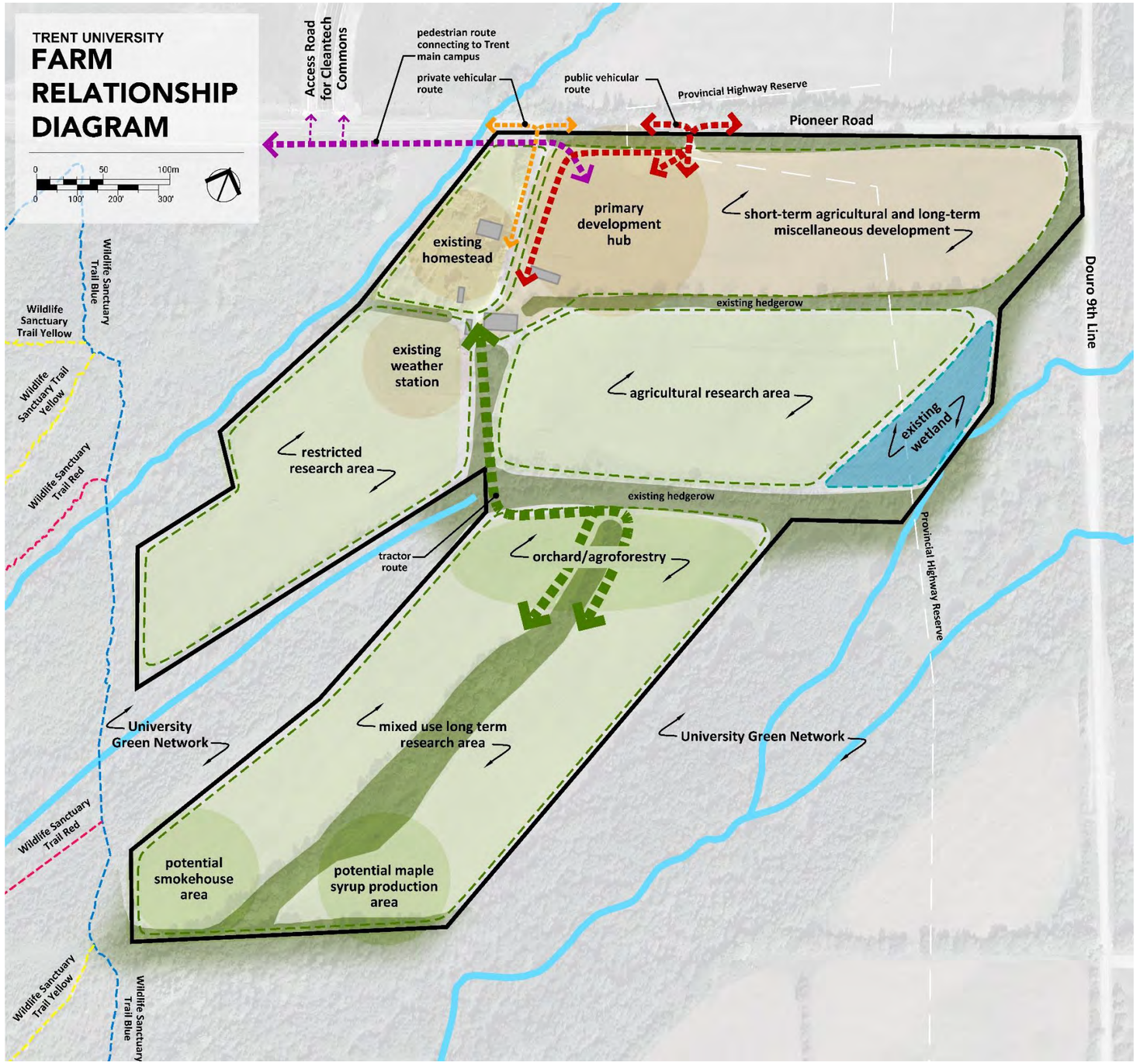
- Exhibition/Entertainment Spaces
- Pathways/Trails
- Retail
- Community Garden Plots
- Natural Areas
- Exclusion Zones

Revenue-Generating Activities / Facilities

- Research Grants
- Market Garden
- Maple Syrup Production
- Apiary Products
- Retail Shop
- Facilities Rentals
- Sponsorships
- Donations

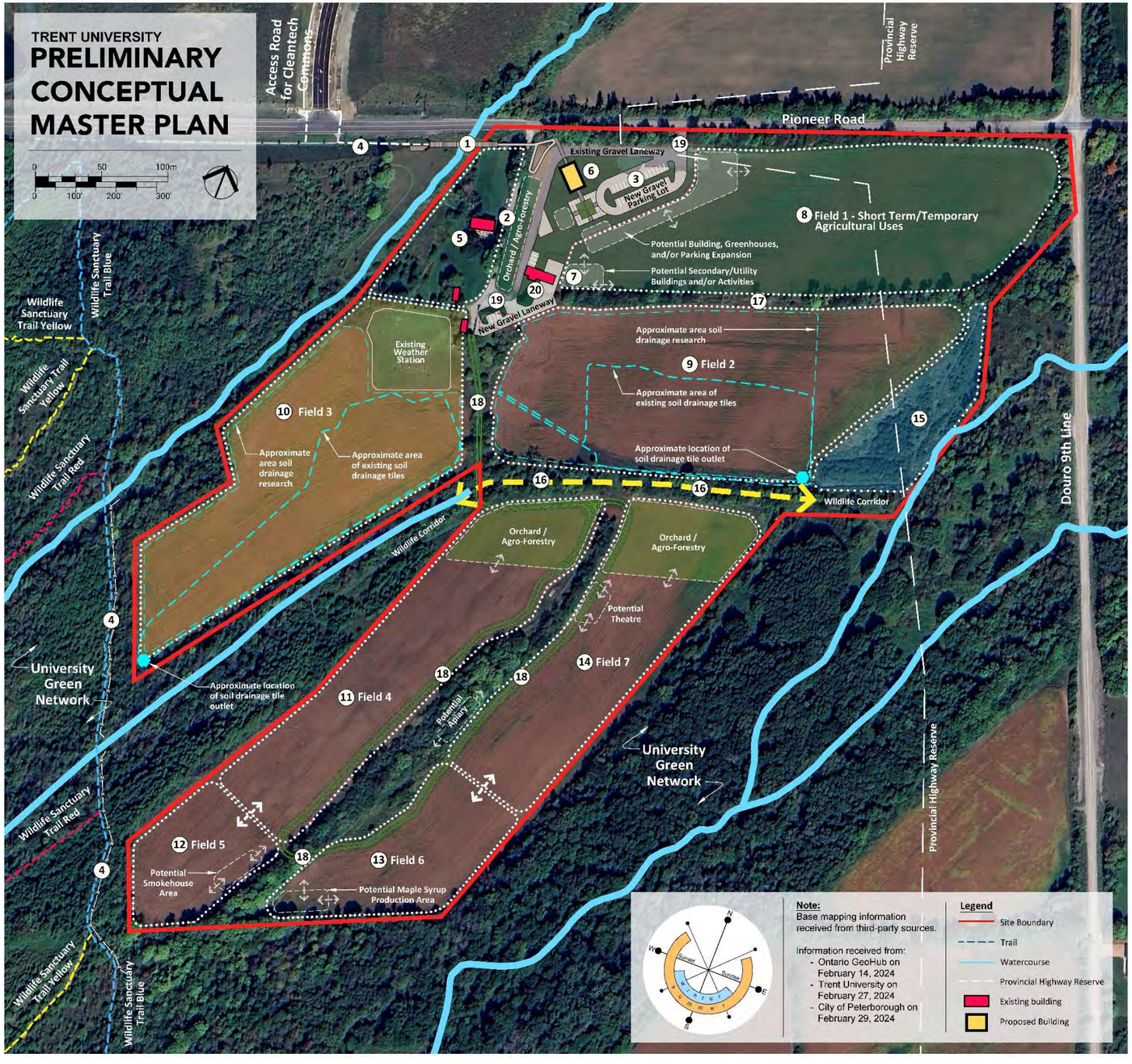
Special Events to be Supported on Site

- Education Demonstrations and Events
- Industry Demonstrations
- Exhibition/Entertainment Events
- Private Events
- First Nation Events



Relationship Diagram

This plan is the first step in establishing where the major activities and built features of the programme are ideally located in relation to each other and the existing site conditions. Ideal pedestrian and vehicular circulation patterns are identified as well. The relationship diagram is vetted during the evolution of the following conceptual master plan.



Plan Notes

1. **Proposed Pedestrian Access Bridge**
   - Prefabricated bridge placed on Trent lands sized to span Provincially Significant Wetland facilitating pedestrian access into the farm, complete with viewing area and interpretive panel on west side of wetland
   - Bridge wide enough to accommodate golf carts and sidewalk snow clearing machines

2. **Existing Farmstead Lane**
   - Original drive laneway to be preserved for farmstead access only
   - Pedestrian access crosses drive laneway to access Trent farm at north/west corner of site

3. **Proposed Gravel Parking Lot**
   - First phase parking lot with drop-off loop and direct and separate access to education and community hub (6) from existing entrance gate. Existing laneway to new driveshed to remain
   - Future gravel parking expansion possible to proposed first phase or to the northeast along Pioneer Road

4. **Trails**
   - Extend trail/sidewalk from main campus to pedestrian bridge (1)
   - Provide intermittent fencing along blue trail at strategic locations to control human access to restricted research areas and farm fields without impeding wildlife migration

5. **Existing Homestead**
   - To remain intact

6. **Proposed Primary Education and Community Hub**
   - Proposed first building located at north-west corner of site establishing good visibility from Pioneer Road and pedestrian bridge. Consider a modern iconic Ontario barn archetype as homage to site use and existing barn in disrepair
   - Space for future buildings and community courtyard

7. **Proposed Secondary buildings**
   - Located north of existing hedgerow (16) and adjacent to driveshed (19)
   - Utility type buildings and activities in support of ongoing farm and research functions
   - New buildings should not obstruct views out of existing driveshed

8. **Field 1 - Short Term/Temporary Research Agriculture**
   - TLNAP identifies this area for future development to support the farm and farm based infrastructure; new buildings and infrastructure to be focused in this area
   - Short term/temporary agricultural uses: community gardens, research, test plots and greenhouses, tree farm

9. **Field 2 - Research Area**
   - Continue existing tile drainage research and crop production
   - Bolster existing hedgerow with additional permanent native tree and shrub species

10. **Field 3 - Restricted Access Research**
    - Maintain buffer around and allow for potential expansion of existing weather station
    - Continue existing tile drainage research and long-term research plots
    - Security fence for individual research project as may be required, in future

11. **Field 4 - Mixed Use Long-Term Research**
    - Orchard and/or agro-forestry research adjacent to existing high quality hedgerow (16); boundaries are flexible and intended to be defined by future research activities
    - Continue crop production possibly combined with native grass species trials and tall grass prairie research plots
    - Provide space along east side of field for single lane turf driveway to access activities to the south (18)

12. **Field 5 - Mixed Use Long-Term Research**
    - Agro-forestry research
    - Consider smoke house at south end of field; boundaries are flexible and intended to be defined by future research activities

13. **Field 6 - Mixed Use Long-Term Research**
    - Agro-forestry research
    - Consider maple syrup production utilizing adjacent woodlot; boundaries are flexible and intended to be defined by future research activities

14. **Field 7 - Mixed Use Long-Term Research**
    - Orchard and/or agro-forestry research adjacent to existing high quality hedgerow (16); boundaries are flexible and intended to be defined by future research activities
    - Potential woody/perennial crops and pollinator meadow
    - Consider west side of field with steep wooded slope for outdoor amphitheatre and/or apiary; boundaries to be determined through research program development as necessary
    - Provide space along west side of field for single lane turf driveway to access activities to the south

15. **Existing Wetland**
    - Restrict activities to existing end of pipe tile drainage monitoring and wetland enhancement

16. **Existing Hedgerow - High Quality**
    - Maintain hedgerow as existing wildlife corridor
    - Limit access through to existing opening only
    - Enhance hedgerow with removal of invasive species and planting of new agro-forestry species

17. **Existing Hedgerow**
    - Truncated at west end by existing farm development
    - Consider selected removal to combine fields 1 and 2 or provide additional secondary building space (7) or bolster existing vegetation and hedgerow function with new plantings to help further define the more active areas of the property from the remainder of the site

18. **Farm Tractor Paths**
    - Limit paths to service tractors or trucks, and future activities such as those proposed in fields 3, 4 and 5
    - Widths appropriate to need, potentially 25' wide grass paths; will be self-determined by farm activity
    - Run paths along grass verges between wooded areas and tilled fields

19. **Vehicular Gravel Laneway**
    - Gravel surfaced with widths appropriate to need (double lane in entrance drives and parking lot and single lane in farming areas)
    - Width of road and turning radii to be designed to accommodate emergency vehicles (typically 20' wide)

20. **Existing New Driveshed**
    - Recently constructed driveshed to remain

Master Plan

The Master Plan seeks to locate and accommodate the various physical elements required to support the stated Master Plan Programme. Using the analytical background information provided in the existing conditions section of this report, Ecological, Civil Engineering, Architectural and Landscape Architectural opportunities and constraints have been identified and used to determine proposed locations for both farm activities and the associated physical support facilities. As identified in the project Vision Statement the site plan will:

- identify potential uses of land within the Farm property. The proposed usage map should consider existing ‘permanent’ features of the Farm, including tile-drained research plots and the Trent Climate Station, and consider both the short and long-term research objectives, teaching /programming support, and community engagement needs of the Farm.

There are two separate planning and design components that together form the overall site area of the Master Plan. The first component considers the **Primary and Secondary Buildings and Infrastructure** concerned with the educational and community hub and farm operations. The second component establishes the juxtaposition of **Farmland Uses and Spaces** dispersed around the existing agricultural fields, wooded areas and hedgerows of the overall site. The design rationale and descriptions of these two components are outlined on the following pages.


TRENT UNIVERSITY - ILLUSTRATIVE MASTER PLAN
FIELD 1
0 10 20 30 40 50m
0 20' 40' 60' 80' 100' 150'
Access Road for Cleantech Commons
Stairway and ramp connections from sidewalk to primary farm hub
Sidewalk extension to connect Main Campus to Farm
Lookout and information panels
Pedestrian bridge
Existing homestead and supporting buildings
Orchard trees to buffer homestead area from primary farm hub
Existing driveshed
Secondary parking lot (location of existing barn)
Farm building and infrastructure expansion area
Primary farm hub buildings and courtyard
Existing gravel driveway
Small, short-term agriculture plots, greenhouses, and hoop houses
Gravel parking lot and drop off area
Provincial Highway Reserve
Small and large short-term agriculture plots, greenhouses, and hoop houses
Pioneer Road
Field 1
Douro 9th Line
Enhance existing hedgerow
Provincial Highway Reserve
Field 3
Field 2

Primary and Secondary Buildings and Related Infrastructure (Field 1)

Unless noted otherwise, all photos are precedent images and only depict the potential form and character of the master plan.

The entire frontage of Field 1 runs along Pioneer Road. The Trent Lands and Nature Areas Plan (TLNAP) identifies Field 1 as a future development zone. This portion of land has also been designated as the 3rd of 5 gateways to the campus. It is the East Gate, known as 'Waaabnoon' and 'Body' celebrating water-focused research and innovation, and regenerative agriculture. Future University development of Field 1 must also be cognizant of the Ministry of Transportation's reserve for a future expansion of Highway 115 along 9th Line. The setbacks for this reserve also extend westward along a portion of Pioneer Road and will have restrictions as to how much development can occur in Field 1. As the area of Primary and Secondary Buildings and Infrastructure it is Field 1 that will become the Educational and Community Hub of the Farm. A portion of this field will also need to serve as a location for any new farm operation structures, activities or spaces.

Considering the recently constructed Driveshed building and the related gravel access road, the first phase of building and site development seeks to preserve existing crop production field space as well as maximize use of the existing entrance gate, access road and vehicular circulation up to the Driveshed.

Existing Farm Driveshed

Upon arrival to the site at the existing new gated entrance, vehicles may carry on along the existing laneway to the New Driveshed, the Weather Station and farm Fields 2-7. Alternatively, access to the Educational and Community Hub is achieved via a looped parking area off the existing laneway. The parking lot includes a drop-off area that opens to a courtyard suitable as a staging area for farm tours, small local events or as a forecourt to the proposed building cluster, or into the garden/crop area of Field 1.

In the most north-westerly corner of Field 1 the first new **Educational and Community Hub building** is proposed. This building is strategically located in the viewshed of the sidewalks and proposed trail from the main campus and will serve as a beacon and gateway feature. Pedestrians traveling from the main campus to the Farm will do so via a new multi-purpose trail that connects to a **bridge** spanning the watercourse of the Provincially Significant Wetland along the Farm's west boundary.

To secure the locations of this trail route and bridge crossing it is recommended that they be constructed on University land just beyond the boundary of the Municipal Road Right of Way. This also means that this important pedestrian link does not need to wait for future road widening construction before being implemented. Prior to crossing the bridge, a wetland viewing area with educational and farm information panels is located at the west end of the bridge.

After the bridge crossing pedestrians cross the existing Farmstead laneway and access the Farm site at the first new Educational and Community Hub building. An accessible ramp and stairs ensures easy access up to the site from the Farmstead laneway. The Hub Building could reflect an Ontario farm building archetype and have enough visibility from westbound travelers on Pioneer Road to also serve as part of the University's East Gateway feature.

The Educational and Community Hub is an expandible and flexible space where two smaller buildings can be constructed to the west and the south of the courtyard. Back-of-house services such as mechanical equipment and waste removal are located to the west along the existing gravel laneway with space for a septic field in the grass area to east of the first building. Further short or medium-term expansion can also occur along the south edge of the proposed parking lot. This space could accommodate short term uses such as research plots or food production gardens and hoop houses, and medium to long-term features and uses such as parking lot expansion or an additional building.

Directly east of the driveway entrance off Pioneer Road Trent Farm container buildings are shown. This location is a suggestion for consideration as there are various locations within Field 1 where container buildings in support of the Trent Farm could be located. For servicing short term research plots, local and campus food production plots, access is proposed along a grass verge adjacent to the tree line of Pioneer Road. These uses can be relocated if future permanent building infrastructure, laneways or the implementation of the Hwy. 115 extension occurs. The central area of Field 1 remains as farm field until long-term future buildings, parking and infrastructure demand increases. The scale this longer-term development would likely only occur when Pioneer Road becomes a fully-serviced corridor capable of supporting water, waste and electrical demands.

Existing Trent Market Garden

The juxtaposition of the first phase of the farm's Education and Community Hub is meant to visually connect with the existing new Driveshed. Although the two uses are very different, they share the same viewshed when first entering the site by car. To strengthen this visual connection a spine of large deciduous trees runs from the proposed new parking lot (providing shade and reducing the urban heat sink) through and past the courtyard and angling up to the small parking lot north of the Driveshed. Directly east of the Driveshed is space designated for additional utility and farm-related buildings or uses. This space can expand eastward as future needs arise. The existing adjacent hedgerow is of poor quality and could be enhanced by the removal of invasive species and planting of suitable native woody species. In the long term this hedgerow can serve as a natural buffer between the farm activities in the fields to the south and the proposed development that would occupy Field 1.

While the existing Farmstead remains in its current use, a buffer planting of fruit or nut trees is proposed between the original farm lane and the gravel access lane to the Driveshed. This will provide food production and/or agroforestry opportunities while screening the views to and from each entity. Long-term future land uses for the Homestead site should include revegetating the land within the buffer area of the Provincially Significant Wetland.

Existing Farm Tractor Laneway Through Hedgerow South of Field 3


TRENT UNIVERSITY - ILLUSTRATIVE MASTER PLAN
FIELDS 2 - 3
0 10 20 30 40 50 100m
0 50' 100' 200' 300'
Pioneer Road
Field 1
Field 2
Field 3
Grass verge laneway
Existing weather station
Individual secured research plots
Existing tile drainage and agricultural research
Existing tile drainage and agricultural research
Existing wetland
Existing hedgerow
Douro 9th Line
Provincial Highway Reserve
Wildlife Sanctuary Trail Blue
Wildlife Sanctuary Trail Yellow
Wildlife Sanctuary Trail Yellow
Wildlife Sanctuary Trail Red
Wildlife Sanctuary Trail Blue

Farmland Uses and Spaces (Fields 2-7)

Unless noted otherwise, all photos are precedent images and only depict the potential form and character of the master plan.

Fields 2-7 are where both current agricultural practices and academic research will continue in combination with proposed new uses and features. The design intent within these fields and hedgerows is to provide a 'light touch' that ensures minimal ecological disruption along with spatial flexibility to allow the location and size of proposed features and uses to be self-determined based on new / future academic research needs and community opportunities. Access into the fields follows current farm laneways that connect to the existing farmstead laneway and the existing new farm driveway at the recently completed Driveshed building.

Existing Farm Laneway Adjacent to Field 3

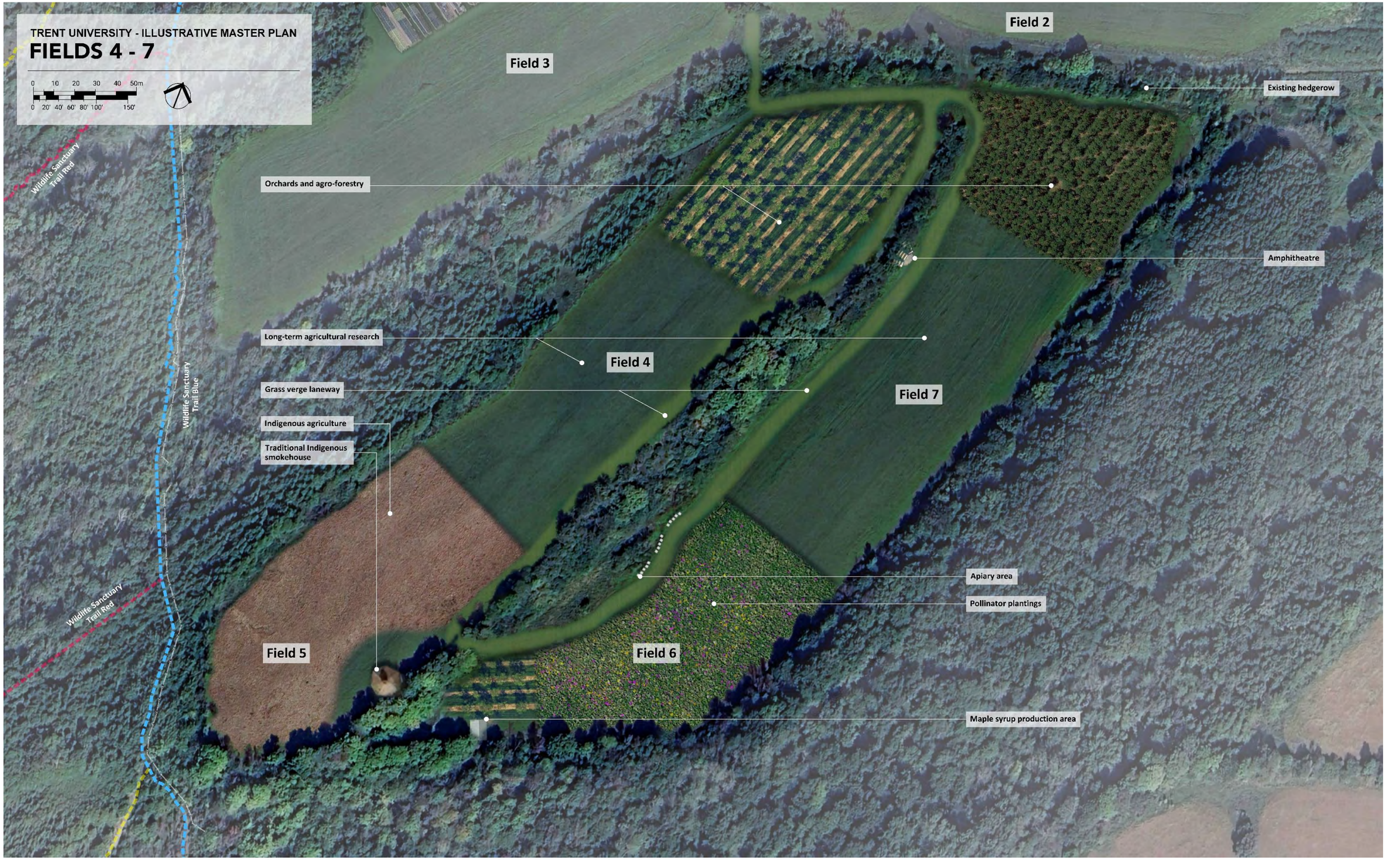
Farm laneways running through or along hedgerows will be upgraded as needed and utilize existing or new grass verges along the edges of fields. The width of farm laneways should be sufficient to safely accommodate farm tractors and related implements.

A small parking area and gravel lane is provided where the existing Barn is located that will provide parking near the existing weather station and the new Driveshed. Extending the new gravel lane into this area also establishes a vehicular loop that terminates further automobile traffic into the fields to the south and helps service waste disposal and back-of-house activities at the Driveshed. Execution of the parking and laneway extension will require the removal of the old barn and physical remediation of the site. The parking shown where the old barn is located is proposed for the short term, but does not preclude building construction in this location in the future.

The east-west hedgerow that runs along the south side of Field 2 constitutes a wildlife corridor between two Provincially Significant Wetlands. All design and development recommendations within proximity of this high-value hedgerow are focused on the preservation of this corridor. Ecological recommendations and considerations to maintain and enhance the hedgerow are included in next section.

Existing Hedgerow and Field Stones

Fields 2 and 3 each have approximately 50% of their existing area tile-drained with the remaining field areas without drainage tile. Each field is part of current and ongoing research which in part makes comparative analysis between tiled and untiled fields. Future uses and crop practices for these fields should carry on as directed by the research team. A portion of Field 3 that juts out to the west side could be used for individual research projects that require secured enclosures with easy access from the gravel lane and small parking area. Any potential utilization of this field area should be vetted through the tile drainage research team. The existing Weather Station equipment and area shall remain in its current size and location. New weather station equipment can be accommodated within the current weather station area. At the east end of Field 2 is a wetland that should remain unchanged as an important component of the farm's surface and groundwater balance.


TRENT UNIVERSITY - ILLUSTRATIVE MASTER PLAN
FIELDS 4 - 7
0 10 20 30 40 50m
0 20' 40' 60' 80' 100' 150'
Wildlife Sanctuary Trail Red
Wildlife Sanctuary Trail Blue
Wildlife Sanctuary Trail Red
Field 2
Field 3
Field 4
Field 5
Field 6
Field 7
Existing hedgerow
Orchards and agro-forestry
Amphitheatre
Long-term agricultural research
Grass verge laneway
Indigenous agriculture
Traditional Indigenous smokehouse
Apiary area
Pollinator plantings
Maple syrup production area

Farmland Uses and Spaces (Fields 4-7)

Unless noted otherwise, all photos are precedent images and only depict the potential form and character of the master plan.

There is a steeply-sloped wooded area running north-south along the east side Fields 4 and 5 and sloping down to Fields 6 and 7. The terrain and vegetation combine to create a wind-protected area with morning to midafternoon solar exposure along the edge of Field 7. These conditions are ideal for the location of an Apiary at the base of the slope at the edge of the wooded area. The sloped terrain also presents an opportunity for a small Amphitheater feature built into a clearing on the slope. The Amphitheater could serve as a location-based agricultural/apiary learning facility for academics or community. Locations for these features are general to this area and specific locations can be self-determined based on academic and research needs. Potential woody/perennial crops and a pollinator meadow in Fields 6 and 7 would provide organic support for both the Apiary and Amphitheatre.



A formalized grass verge wraps around the wooded slope to facilitate farm equipment and limited vehicular traffic access to features and uses in Fields 4-7. Grass verges are recommended to be of a minimum width needed to service the uses and facilities in these fields. At the north ends of Fields 4 and 7 is space dedicated to Orchards and Agro-forestry practices and research. These polyculture fields may combine traditional agricultural crops with small trees of fruit or nut-bearing production, other food supply or medicinal plants. Centrally located and near the gravel farm lane and small parking area, these fields would have easy access for students and researchers.


Fields 5 and 6 are the most southerly of the farm, surrounded by woodland and directly adjacent to a maple woodlot that is part of the Trent Wildlife Sanctuary. With access via the grass verges along Fields 4 and 7 and proximity to the maple woodlot these two fields are well situated to provide a small-scale maple syrup production facility (Field 6) and a Traditional Indigenous Smokehouse (Field 5). Field 5 plantings could be grasses, sedges or other species significant to Indigenous Peoples' culture. Part of Field 6 will need to provide space for the typical coming and going of early spring maple syrup production activities. The remaining field space could be combined with crop production in Field 7. These relatively small programme features, and related activities, are located generally in Fields 5 and 6 and can be more specifically located based on community and academic or research opportunities as they arise.

There are currently movement patterns from users of the Wildlife Sanctuary Trail that migrate onto the Trent Farm property and make their way through the fields and hedgerows. This passive access into the fields could be problematic for crop plantings or research plots that require a degree of security from inadvertent disturbance. It is recommended that a wildlife-friendly fence be located along the Wildlife Sanctuary Blue Trail where it runs just south of Fields 3, 5 and 6. Traditional farm-style split rail or page wire fence that deters pedestrian access into the Farm but still allows wildlife movement is recommended.

Master Plan Considerations

Ecological Considerations

Existing Natural Heritage Features

Trent Farm is located within the Otonabee Region watershed, and contains areas regulated by the Otonabee Region Conservation Authority (ORCA). The landcover is largely agricultural with pockets of anthropogenic, cultural woodland, meadow, deciduous swamp, hedgerow and marsh. The study area is directly adjacent to a large natural heritage complex composed of swamp with small pockets of cultural meadow, thicket, deciduous plantation, and coniferous forest in the northwest section of the southern site adjacent to Nassau Mills Road (D.M. Mills, 2016).

A previous assessment undertaken by Dougan (October 2024), as described in Part 2: The Technical Background in this report, identified natural heritage features and areas as high, moderate, or low based on the Trent Lands and Natural Areas Natural Heritage Report (NSE). These rankings are based on ecological significance and what types of activities can or cannot take place within or adjacent to them:

- High – High ecological significance or sensitivity, with multiple restrictions to development due to applicable policy
- Moderate – Moderate ecological sensitivity and features that do not meet significance criteria, with some restrictions to development due to applicable policy
- Low – Low ecological significance or sensitivity, or little to no policy limiting development and work within these areas. Areas with natural features (meadows, thickets) should still be considered for their role on the landscape.

Significant high-constraint features identified within the study area that are considered unsuitable for development include:

- Significant Woodlands
- Provincially Significant Wetlands (Nassau Wetland Complex)
- Unevaluated Wetlands
- Permanent and Intermittent Watercourses
- Fish Habitat
- Significant Wildlife Habitat
- Species at Risk habitat.

Policy and legislation applicable to high-constraint features includes the Fisheries Act (1984), Provincial Planning Statement (2024), Endangered Species Act (2007), and the Conservation Authorities Act (2024).

Moderate-constraint features do not meet significance criteria and may present certain restrictions or opportunities for development. These areas may be prioritized for enhancement to support a systems-based approach. Moderate-constraint features present on the subject lands include:

- woodlands pending assessment, and
- hedgerows.

Low-constraint features and areas have not been identified as having existing natural heritage policy constraints, such as anthropogenic, active agriculture, and cultural meadow/thicket. These areas could support site alterations or development in some capacity, although more detailed ecological studies may be required in certain areas to confirm the absence of any significant features that could limit development opportunities.

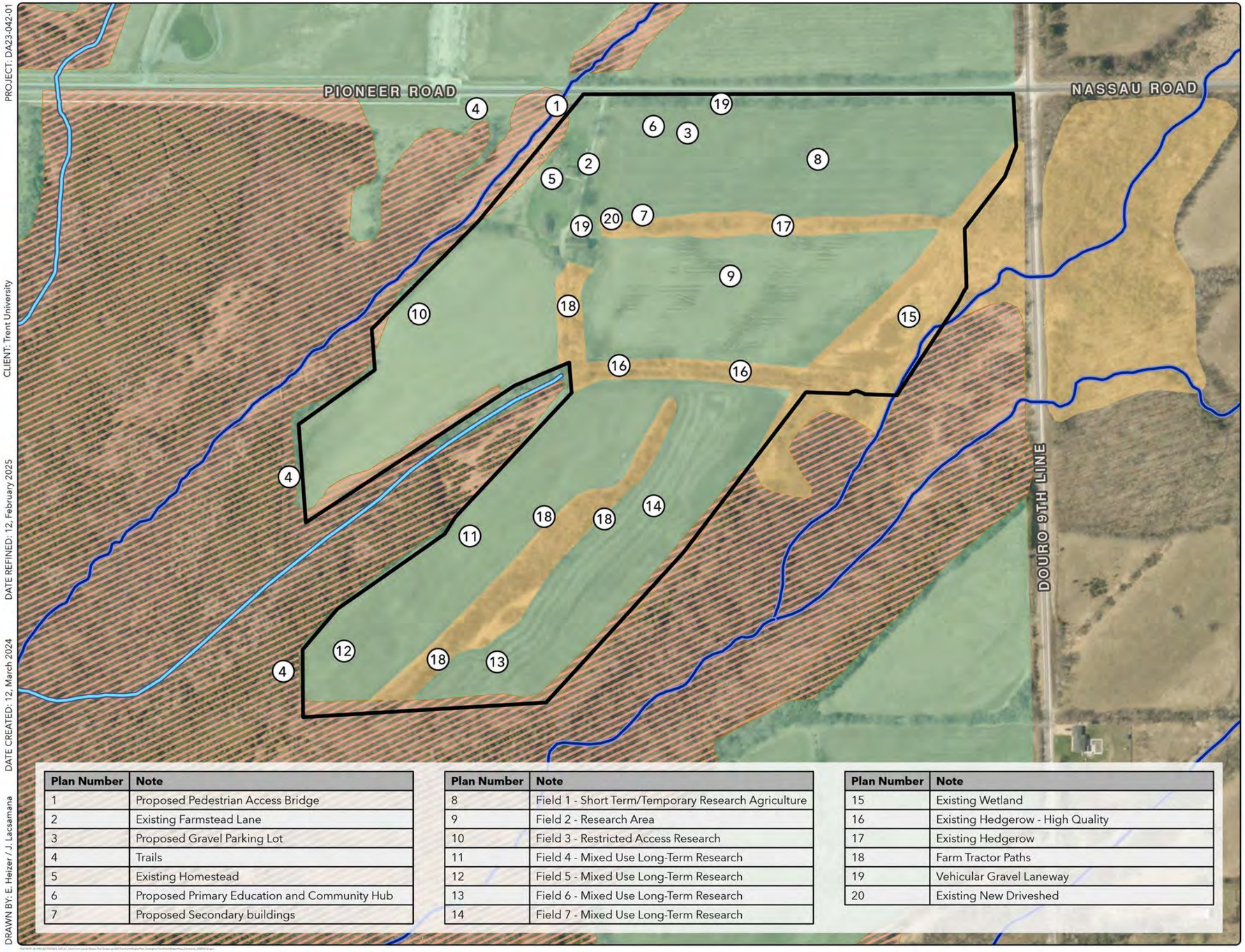
Further details on existing natural heritage features can be found in the Natural Heritage Report (NSE, 2021) and the Natural Heritage Summary provided by Dougan (2024) in Part 2: The Technical Background in this report.

Impact Assessment

The Conceptual Site Plan, shown earlier in this report, has been reviewed in the context of potential impacts to natural heritage features and functions.

The next page has a map that illustrates the preliminary ecological constraints of the site and the following Table provides a summary of the proposed activities, potential impacts, risk level, and associated mitigation and enhancement strategies to address any potential impacts.

PROJECT: DA23-042-01
CLIENT: Trent University
DATE REFINED: 12, February 2025
DATE CREATED: 12, March 2024
DRAWN BY: E. Heizer / J. Lacsamana



Map 2: Preliminary Constraints
Trent University Farm Master Plan

- Study Area (Basterfield)
- Road (MNRF, 2024)

Watercourse (MNRF, 2024)
- Intermittent
- Permanent

Preliminary Constraint Assessment (Dougan/NSE, 2020)
- High
- Moderate
- Low

Note: See Part 2: The Technical Background for Map 1: Natural Heritage Features.

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Orthoimagery Source: City of Peterborough, Maxar

Dougan Ecology

Plan Number	Note
1	Proposed Pedestrian Access Bridge
2	Existing Farmstead Lane
3	Proposed Gravel Parking Lot
4	Trails
5	Existing Homestead
6	Proposed Primary Education and Community Hub
7	Proposed Secondary buildings

Plan Number	Note
8	Field 1 - Short Term/Temporary Research Agriculture
9	Field 2 - Research Area
10	Field 3 - Restricted Access Research
11	Field 4 - Mixed Use Long-Term Research
12	Field 5 - Mixed Use Long-Term Research
13	Field 6 - Mixed Use Long-Term Research
14	Field 7 - Mixed Use Long-Term Research

Plan Number	Note
15	Existing Wetland
16	Existing Hedgerow - High Quality
17	Existing Hedgerow
18	Farm Tractor Paths
19	Vehicular Gravel Laneway
20	Existing New Driveshed

Table 1. Assessment of potential impacts as proposed on conceptual site plan (BNA, 2025).

Location on Site Plan	Development Activity	Potential Impact	Risk	Potential Future Study and Permitting Requirements[1]	Mitigation	Enhancement	Additional Opportunities
#1	Installation of watercourse crossing	Contamination of wetland from groundworks arising from crossing installation. Disturbance of local wildlife during construction	**High**	EIS ORCA Permit DFO RFR Tree Removal Permit	Use of a prefabricated bridge to span a permanent watercourse and the Provincially Significant Wetland (PSW) will minimize impact of installation, whilst facilitating and directing pedestrian access into the farm in a way that will minimize impact to the wetlands and deter use of unwanted traffic such as ATVs Installation of proper silt fencing and other measures to reduce spread of contamination during construction Proper timing of construction activities to reduce impacts of construction (vegetation removal, noise, vehicles, lighting) on local wildlife including fish	Planting of native riparian vegetation in disturbed areas	Educational signage to promote sensitivity of natural area and encourage users remaining on the trail/ bridge
#2	Existing farm laneway to be preserved	Indirect impacts to the surrounding area due to pedestrian access	Low	n/a	Use defined trail areas and signage to limit informal trails		
#3	Proposed gravel parking lot	Disturbance and removal of field habitat (potential wildlife habitat for Loggerhead Shrike) Disturbance of local wildlife during construction	Low	EIS ORCA Permit Tree Removal Permit	Proper timing of construction activities to reduce impacts of construction (vegetation removal, noise, vehicles, lighting) on local wildlife		Consider incorporating native species landscaping and/or bioswales in parking/ greenhouse development area

[1] EIS = Environmental Impact Study; ORCA = Otonabee Region Conservation Authority; DFO RFR = Department of Fisheries and Oceans Request for Review

Location on Site Plan	Development Activity	Potential Impact	Risk	Potential Future Study and Permitting Requirements[1]	Mitigation	Enhancement	Additional Opportunities
#4	Extension of trails along road from main campus to pedestrian bridge Installation of intermittent fencing along blue trail at strategic locations to control human access to restricted research areas and farm fields without impeding wildlife migration	Disturbance of existing meadow vegetation Potential introduction of invasive species to area from machinery/equipment Disruption of wildlife migration across existing trail, and during installation of fencing	Low	EIS ORCA Permit Tree Removal Permit	Fencing to keep pedestrian traffic on established footpaths and limiting access to restricted research areas, farm fields and other ecologically sensitive areas. Strategic placement of fencing to avoid impeding wildlife migration along existing corridors. Proper timing of fence installation and construction activities to reduce impacts of construction (vegetation removal, noise, vehicles, lighting) on local wildlife	Invasive species management Planting native species along trail to buffer impacts to adjacent natural areas	Educational signage to promote sensitivity of natural area and encourage users remaining on the trail
#5	Existing Homestead – to remain intact	Indirect impacts due to increased pedestrian access	Low	n/a	Use defined trail areas and signage to limit creation of informal trails in adjacent natural areas	Opportunities to enhance homestead area include native species landscaping design, or dense native forest restoration (i.e. Mini Forest) within existing open lawn	Opportunities to enhance edge of existing stream with additional native tree, shrub, and herbaceous vegetation.
#6	Primary Education and Community Hub building construction	Disturbance of local wildlife during construction	Low	EIS ORCA Permit Tree Removal Permit	Proper timing of construction activities to reduce impacts of construction (vegetation removal, noise, vehicles, lighting) on local wildlife Barn demolition needs to consider potential Species at Risk (bats) inhabiting existing barn in disrepair	Installation of a bat rocket-box in a suitable location on site Construction of barn swallow nesting structures to replace potential nesting habitat lost when original barn was removed from the site	

Location on Site Plan	Development Activity	Potential Impact	Risk	Potential Future Study and Permitting Requirements[1]	Mitigation	Enhancement	Additional Opportunities
#7	Proposed secondary building construction	Removal of trees (vegetation removal, removal of habitat) within existing hedgerow 17 Disturbance of local wildlife during construction	Low	EIS ORCA Permit Tree Removal Permit	Proper timing of construction activities to reduce impacts of construction (vegetation removal, noise, vehicles, lighting) on local wildlife	The remaining hedgerow could be enhanced through additional native tree and shrub species, in addition to invasive species control	
#8	Field 1 - Temporary agricultural research	Impacts to tree root zones of hedgerow 17	Low	n/a	Establish an appropriate ecological buffer from the treed dripline of the hedgerow. Tree Protection Zones (TPZ) should be established pre-grading through an Arborist Study or EIS to determine the limits of development Proper timing of construction activities to reduce impacts of construction (vegetation removal, noise, vehicles, lighting) on local wildlife Potential future development in Field 1 should consider LID (Low Impact Development) strategies to offset hard-surfacing and water balance issues to the adjacent wetland	Post-construction enhancement of the hedgerow through native buffer plantings and invasive species control Assess opportunities for wetland monitoring	Explore regenerative agriculture methods where feasible and appropriate
#9	Field 2 - Research area (soil drainage)	Contamination of wetland	**High**	EIS ORCA Permit	Assess potential impacts of tile drainage activities to the adjacent wetland through an EIS or similar study Restrict and monitor output of tile drainage to ensure no negative impacts to the wetland Consider post-development fencing or deterrent plantings along the edge of the natural feature to reduce encroachment issues Establish an appropriate ecological buffer from the wetland to mitigate potential deleterious substances entering the feature	Wetland enhancement through invasive species removal, buffer planting with native vegetation, and amending soil conditions	Ecological restoration together with research opportunities, present a unique opportunity to study tile-drainage systems in conjunction with wetland establishment and improvement Educational signage to promote sensitivity of the wetland and prevent encroachment issues

Location on Site Plan	Development Activity	Potential Impact	Risk	Potential Future Study and Permitting Requirements[1]	Mitigation	Enhancement	Additional Opportunities
#10	Field 3 – Restricted Access Research	Encroachment within high-constraint feature and impacts to trees due to potential expansion of existing weather station and continued tile drainage research Disturbance of local wildlife	Low	EIS ORCA Permit Tree Removal Permit	Establish and maintain appropriate ecological buffer and Tree Protection Zones (TPZ) between potential construction activities and adjacent high-constraint feature Consider post-development fencing or deterrent plantings along the edge of the natural feature to reduce encroachment issues Proper timing of construction activities to reduce impacts of construction (vegetation removal, noise, vehicles, lighting) on local wildlife	Creek buffer enhancement through native species plantings	Explore regenerative agriculture methods where feasible and appropriate
#11	Field 4 – Mixed Use Long-Term Research (Orchard/Agro-forestry)	Encroachment within high-constraint feature	Low	n/a	Consider post-development fencing or deterrent plantings along the edge of the natural feature / wildlife corridor to reduce encroachment issues	Agroforestry approaches in conjunction with restoration ecology techniques will further help bolster connectivity with the high-quality hedgerow and wildlife corridor. Orchard area should include plantings of native edible nut-tree species, and other 'food-forest' approaches	Alternative land use to consider in the remaining portions of the field could focus on transitioning fields into tallgrass prairie habitat Restoration could take the form of experimental research plots or largescale restoration and grassland establishment techniques, such as broadscale seeding a diverse mix of native seeds over the course of several years Explore regenerative agriculture methods where feasible and appropriate

Location on Site Plan	Development Activity	Potential Impact	Risk	Potential Future Study and Permitting Requirements[1]	Mitigation	Enhancement	Additional Opportunities
#12	Field 5 - Mixed Use Long-Term Research (Agro-forestry/ Smokehouse)	Encroachment within high-constraint feature and impacts to trees due to smokehouse construction Disturbance of local wildlife	Low	EIS ORCA Permit Tree Removal Permit	Establish and maintain appropriate ecological buffer and Tree Protection Zones (TPZ) between potential smokehouse construction activities and adjacent high-constraint feature Consider post-development fencing or deterrent plantings along the edge of the natural feature to reduce encroachment issues Proper timing of construction activities to reduce impacts of construction (vegetation removal, noise, vehicles, lighting) on local wildlife	Buffer enhancement through native species plantings Agroforestry approaches in conjunction with restoration ecology techniques can enhance overall biodiversity and ecological connectivity	Alternative land use to consider in the remaining portions of the field could focus on transitioning fields into tallgrass prairie habitat Restoration could take the form of experimental research plots or largescale restoration and grassland establishment techniques, such as broadscale seeding a diverse mix of native seeds over the course of several years Explore regenerative agriculture methods where feasible and appropriate
#13	Field 6 - Mixed Use Long-Term Research (Agro-forestry / Maple Syrup production)	Encroachment within high-constraint feature and impacts to trees due to potential sugar shack construction Disturbance of local wildlife	Low	EIS ORCA Permit Tree Removal Permit	Establish and maintain appropriate ecological buffer and Tree Protection Zones (TPZ) between potential sugar shack construction activities and adjacent high-constraint feature Consider post-development fencing or deterrent plantings along the edge of the natural feature to reduce encroachment issues Proper timing of construction activities to reduce impacts of construction (vegetation removal, noise, vehicles, lighting) on local wildlife	See enhancement opportunities for #12.	See additional opportunities for #12.

Location on Site Plan	Development Activity	Potential Impact	Risk	Potential Future Study and Permitting Requirements[1]	Mitigation	Enhancement	Additional Opportunities
#14	Field 7 - Mixed Use Long-Term Research (Agro-forestry / Theatre) Proposed apiary within treed areas (moderate constraint) adjacent to field 14	Encroachment within high-constraint feature and impacts to trees due to potential theatre construction Disturbance of local wildlife due to location and use of apiary area	Low	EIS ORCA Permit Tree Removal Permit	Establish and maintain appropriate ecological buffer and Tree Protection Zones (TPZ) between potential sugar shack construction activities and adjacent high-constraint feature Consider post-development fencing or deterrent plantings along the edge of the natural feature to reduce encroachment issues Consider relocation of apiary area to within low constraint field area or buffer zone of woodland, and planting surrounding area with trees/native plants to support bee populations Proper timing of construction activities to reduce impacts of construction (vegetation removal, noise, vehicles, lighting) on local wildlife	See enhancement opportunities for #11.	See additional opportunities for #11. Alternative land use to consider in the remaining portions of the field could focus on native pollinator habitat/ gardens to support apiary
#15	Soil drainage tile outlets from Field 2 into the Unevaluated Wetland	Contamination of wetland	**High**	EIS ORCA Permit	Assess potential impacts of tile drainage activities to the adjacent wetland through an EIS or similar study Restrict and monitor output of tile drainage to ensure no negative impacts to the wetland Consider post-development fencing or deterrent plantings along the edge of the natural feature to reduce encroachment issues	Wetland enhancement through invasive species removal, buffer planting with native vegetation, and amending soil conditions	Ecological restoration together with research opportunities, present a unique opportunity to study tile-drainage systems in conjunction with wetland establishment and improvement Educational signage to promote sensitivity of the wetland and prevent encroachment issues Assess opportunities for wetland monitoring and comparison to a reference site (i.e. the in-tact wetland south of the watercourse)

Location on Site Plan	Development Activity	Potential Impact	Risk	Potential Future Study and Permitting Requirements[1]	Mitigation	Enhancement	Additional Opportunities
#16	Existing Hedgerow – high quality	Increase of traffic and farming machinery to Fields 4-7	Moderate	n/a	Ensure that access is limited to existing opening in hedgerow Maintain hedgerow as existing wildlife corridor	Buffer and enhancement of wildlife corridor through native species plantings and invasive species management Assess vegetative quality and consider implementation of invasive species management	Plant agroforestry species, to diversify the ecological form and function of the hedgerow
#17	Existing hedgerow	Indirect and direct impacts from building construction (see #7) Indirect impacts from increased human presence on the site	Moderate	n/a	Control access to natural areas	Buffer and enhancement within and adjacent to hedgerow with native species Assess vegetative quality and consider implementation of invasive species management	

Location on Site Plan	Development Activity	Potential Impact	Risk	Potential Future Study and Permitting Requirements[1]	Mitigation	Enhancement	Additional Opportunities
#18	Farm tractor paths, ~25' determined by vehicle activity	Impact to trees within wooded area (moderate constraint) between fields 2 and 3 and 12 and 13, and hedgerow 16 Compaction of soil within existing tree root zones, leading to tree decline Disturbance of natural regeneration of trees within woodland due to trampling of seedlings	Moderate	Tree Removal Permit	Focus paths along grass verges between wooded areas and tilled fields Establish Tree Protection Zones where possible to prevent impacts to trees Application of mulch along the trail to reduce compaction on soil and tree roots, particularly within tree rooting zones Control traffic, manage axle load and tire pressure, and use correct equipment in the correct areas Reduce soil compaction caused by machinery through air tillage or vertical mulching, which leaves majority of fine roots intact when applied properly	Replace any mature trees impacted by compaction of soils or through removal with suitable native species to enhance woodland regeneration	Plant agroforestry species to diversify the ecological form and function of the area
#19	Gravel vehicle laneway	Impact/removal to trees within Hedgerow #17 and wooded area between fields 2 and 3 Compaction of trees with root zones within boundaries of proposed laneway Disturbance of local wildlife during construction	Low	EIS ORCA Permit Tree Removal Permit	Locate the south end of the laneway outside of moderate constraint feature, where possible Establish Tree Protection Zones to avoid impacts to adjacent trees during construction Reduce soil compaction impacts to tree roots through air tillage, which leaves majority of fine roots intact when applied properly Proper timing of construction activities to reduce impacts of construction (vegetation removal, noise, vehicles, lighting) on local wildlife	Planting suitable tree species to maintain woodland/hedgerow area adjacent to driveway and replace any mature trees impacted by compaction of soils	
#20	Existing new driveshed	Indirect impacts from increased human activity in the area	Low	n/a	Control access to adjacent natural areas (i.e. moderate constraint features adjacent to driveshed) to reduce encroachment effects		
All	Pedestrian traffic wandering outside of designated trails	Erosion and other impacts to ecologically sensitive areas	Low	n/a	Control access to natural areas		Educational programmes and interpretive signage to encourage proper stewardship and protection of natural features

Location on Site Plan	Development Activity	Potential Impact	Risk	Potential Future Study and Permitting Requirements[1]	Mitigation	Enhancement	Additional Opportunities
All	Conversion of site from minimal human use to more active human presence and development	Encroachment and degradation of habitat quality over time	Low	n/a	Control access to natural areas Preserve all high quality features in-situ and apply appropriate ecological buffers from development/ construction activities Preserve existing hedgerows and moderate constraint features to the extent feasible to maintain biodiversity, habitat for birds and pollinating insects, and wildlife connectivity Implement clean equipment protocols during all phases of construction to mitigate introduction of invasive species and pests Prepare a Wildlife Encounter Protocol for construction team to educate workers on presence of sensitive species and prevent impacts to wildlife	Allow portions of fields to naturalize and provide habitat to a number of species at risk present in the area including Bobolink, Eastern Meadowlark, Loggerhead Shrike, Henslow's Sparrow, and foraging habitat for Barn Swallows	Consider enhancement of high and moderate features throughout the site

Ecological Value-Added Mitigation and Enhancements

Additional value-added mitigations and enhancements that further the goals and objectives of the master plan are summarized below for consideration. These are identified as opportunities only and are not necessarily actively occurring as part of Trent's programmes and/or research works. As detailed development of the farm property is pursued, further detailed mitigations and enhancements should be prepared in response to the development impacts.

Climate Mitigation and Resiliency

Climate mitigation and resiliency can be effectively enhanced through careful consideration of carbon sequestration and material selection in detailed design. By prioritizing materials with low embodied carbon, contributions to climate change can be reduced. Additionally, conducting research on plant species that excel at long-term carbon sequestration, and planting these species, can further improve efforts to mitigate climate impacts. Resilience, which is directly linked to biodiversity, is essential for ecosystems to recover from disturbances. Implementing highly biodiverse landscapes can foster this resilience, helping ecosystems adapt to climate change. This may include strategies such as the assisted migration of species, and there are valuable opportunities to explore these approaches in areas currently not being used for research or other purposes.

Invasive Species Management

Several non-native invasive species are found within the study area or adjacent lands including, European Buckthorn, Phragmites, Garlic Mustard, and Tartarian Honeysuckle (Cambium, 2022). These species are well established and abundant. Distribution data and mapping would support control efforts. The opportunity to improve biodiversity within the site would be achieved by the implementation of an Invasive Species Management Plan (ISMP).

This would include mapping concentrated areas of invasives and developing a detailed management plan, prioritizing species populations based on a variety of factors including proximity to sensitive features, size of population, aggressiveness of species, and types of management available. Management strategies and methods should be based on the latest best management practices (BMPs) available through sources such as the Ontario Invasive Plant Council (OIPC).

Agroforestry

Agroforestry is a land management approach that integrates trees and shrubs with crops and/or livestock within the same agricultural system. This practice aims to create a more diverse, productive, profitable, healthy, and sustainable land-use system. Agroforestry can be implemented in many ways such as windbreaks, riparian buffers, or orchards. Agroforestry takes advantage of the interactive benefits from combining agriculture and forestry, including enhancing biodiversity, improving soil health, conserving water, and by sequestering carbon, making it a versatile strategy for sustainable agriculture and environmental conservation (Jose, 2019). This approach has been incorporated into the Conceptual Site Plan.

Regenerative Agriculture Practices

Regenerative Agriculture Practices encompass a suite of techniques aimed at revitalizing soil health, enhancing biodiversity, and increasing the resilience of ecosystems. Regenerative agriculture embodies an ecosystem-based farming approach aimed at not just sustaining but actively improving environmental conditions, offering a path to a resilient and thriving agricultural future that benefits farmers, communities, and our natural heritage (Gosnell, Hill, Voyer, 2019). Some Regenerative Agricultural Practices include cover cropping, crop rotations, no till, permaculture design and rotational grazing (Gosnell, Hill, Voyer, 2019). Regenerative Agriculture could be explored in the Field Areas planned for education and research (i.e. Fields 1-7).

Integrated Pest Management (IPM) and Biodiversity Enhancement

Encouraging the success of beneficial insects, as well as pollinators such as birds and bats, through targeted restoration and habitat creation efforts is crucial for sustainable agricultural practices and the health of local ecosystems (Nicholls and Altieri, 2013). These efforts not only support agricultural productivity by enhancing pollination services and natural pest control but also contribute to biodiversity conservation. Some techniques to encourage beneficial insects and pollinators include native pollinator gardens, bird and bat boxes, elimination of pesticide use and agroforestry techniques.

Ecological Monitoring and Adaptive Management

The implementation of long-term biodiversity and ecological monitoring presents an opportunity to gain valuable insights into the effectiveness of current management practices. This ongoing assessment allows for the timely adaptation and refinement of strategies to ensure they are both enhancing biodiversity and improving ecological health. Simultaneously, the establishment of long-term monitoring provides a dedicated space for scientific inquiry into how different agricultural practices impact the environment over extended periods. These efforts can serve as educational tools, demonstrating to students, policymakers, and the public the vital connection between sustainable agricultural practices and the function of our natural heritage.

Education and Community Engagement

Hosting educational workshops and farm tours, coupled with engaging in citizen science projects can help bolster ecological awareness and conservation efforts within the community. Through interactive workshops and guided tours, participants can learn firsthand about the critical roles sustainable agriculture plays in the function of our ecosystems. Incorporating citizen science initiatives takes this a step further by actively involving community members and students in the various opportunities mentioned. This hands-on approach fosters a deeper understanding and appreciation of biodiversity, empowering individuals to contribute to conservation efforts meaningfully. Additionally, it cultivates a sense of stewardship and collective responsibility towards our environment, encouraging a community-wide movement towards sustainable practices and biodiversity support.

Civil Engineering Considerations

Water Services

Based on discussions with Trent University, the intention is to service the subject site with well water, until such time that water servicing can be provided by the municipal utility services. Existing municipal services on Pioneer Road are terminated west of the farm property.

To develop the subject site, a detailed hydrogeological study that includes a pump test will need to be completed to determine the available groundwater volumes available on site. To determine the year-round availability of water, a pump test should be completed during the winter, and during dry summer conditions.

The possible need for field irrigation will be a major consideration in determining how the site will be serviced by water, and how many drilled wells would be required to meet the need. A domestic service drilled well record North-East of the site indicates that a water well was successfully installed at 33 feet below grade and is included in **Appendix A: Existing Service Records.**

Sanitary Services

Considering the existing services, as described in Part 2: The Technical Background, Trent University has requested Engage Engineering to proceed with the master plan assuming that sanitary service will be provided by septic tank and drain field. To determine the size of the required facilities, the completion of a geotechnical report on the subject site will be required to determine surface and subsurface soils ability to receive effluent from the proposed facilities.

The size of the septic field can be approximately determined by the daily design flow divided by the hydraulic loading rate. Surface soils map of the subject site indicate the presence of Otonabee Loam which is well drained. Assuming a daily sanitary design flow of 20m³/day, and an soil infiltration rate of 0.045m³/day, the septic field will need to be approximately 500m³. This should be considered a rough estimate based on similar projects Engage Engineering employees have previously worked on. A geotechnical report and septic designer will need to be retained during the detailed design phase.

Utility Servicing

Coordination with local utility providers will be required during the detailed design phase of the project in conjunction with engineering electrical and mechanical consultants.

Site Access

To provide pedestrian access from the main campus to the subject site, we have assumed that a pedestrian bridge will be constructed across the creek on the property of Trent University. To complete this project, Trent University will need to retain a civil engineering firm to work with a bridge designer to design a suitably sustainable and environmentally friendly structure required for safe, accessible, and resilient construction. At this early stage, we assume that any bridge structure will be installed as a prefabricated unit with the technical support of the supplier, and the need for retaining the services of a dedicated structural bridge engineer will not be required.

Stormwater Management

Any proposed development of the subject site will be required to maintain post development flows at pre-development levels. To accomplish any required stormwater management interventions the development should endeavour to include as many low impact development features as possible that integrate with the surrounding landscape and possibly enhance the identified wildlife corridors and habitat.

To maintain water quality and limit peak flows leaving the site, we suggest that Trent University install an enhanced grass swale for the parking areas, and a rain garden for the rooftop areas. For the low impact uses proposed for the subject site this should be suitable, we are assuming a volume requirement of approximately 250m³ which could be supplied by a 160m long enhanced grass swale along the parking lot edge, and a 100m² rain garden.

Due to the proximity of the proposed development to the adjacent wetland, and the City of Peterborough's engineering design standards, we recommend infiltrating the maximum amount of water into ground as possible. Both an enhanced swale, and rain garden will work to achieve these objectives if designed with this in mind. This will assist in maintaining water balance for sensitive groundwater supported ecosystems downstream.

The above items will provide guidance in developing a sustainable stormwater management strategy that will enhance the surrounding natural environment, integrate with proposed landscaping while limiting environmental and flood risk to downstream receivers.

Floodplain Mapping

Any development within the subject site will need to be located outside of the identified regulatory floodplain extent.

Newly Installed Farm Lane on Project Site

Architectural Considerations

Unless noted otherwise, all photos are precedent images and only depict the potential design character of the master plan.

The Trent Research Farm presents a unique opportunity to harness architecture as a catalyst for place-making, establishing a distinctive and welcoming destination that reflects the University's commitment to sustainable agriculture, cutting-edge research, and community engagement. More than just a collection of buildings, the farmstead can become a vibrant hub where researchers, students, farmers, and the broader public come together to explore the future of agriculture.

Strategically positioned within the Master Plan, the hub of the farm and, more importantly, the first building has the potential to act as an architectural landmark, reinforcing the farm's identity and visibility. Located at a key threshold—visible from Pioneer Road and easily accessible by foot, bicycle, or vehicle—this structure could serve as both a gateway and a beacon, drawing visitors into the farm. Its placement offers an opportunity to define a strong visual presence, announcing the farm's role as a center for innovation while remaining deeply connected to the surrounding rural landscape.

A forecourt or courtyard could become a defining element of the site, shaping an outdoor space where research, education, and agricultural activity intersect. This flexible outdoor gathering space could host everything from seasonal markets and research demonstrations to workshops, lectures, and hands-on agricultural training. Rooted in the traditions of Ontario farmsteads, such a space would provide a functional yet inviting setting, reinforcing the farm's role as a place of interaction, learning, and exchange – the public face of the farm.

A Modern Farm Vernacular

The farm's architecture has the potential to reimagine traditional rural forms through a contemporary lens, embracing a modern farm vernacular that respects its agricultural heritage while aligning with Trent University's legacy of architectural excellence.

At its core, the design could be driven by sustainability, material honesty, and resilience. A heavy timber structural system—drawing from Ontario's rich history of post-and-beam barn construction—could provide both warmth and durability, while underscoring a commitment to carbon-conscious building practices. A carefully curated natural material palette, including locally sourced wood, stone, and metal, could integrate the building seamlessly into the landscape, celebrating both craftsmanship and ecological responsibility.

Expansive glazing could further enhance the design, reinforcing a strong indoor-outdoor connection that ties research and agricultural work to the surrounding environment. Large operable windows, sliding doors, and sheltered verandas could encourage natural ventilation, passive solar strategies, and year-round usability. In this way, the farm's built form wouldn't just house research and learning—it would actively participate in the cycles of nature, shifting with the seasons and fostering deeper engagement with the land.

This approach is not without precedent. Forward-thinking projects have successfully reinterpreted regional architecture through a modern lens. The Sea Ranch in Northern California, developed in the 1960s, pioneered a climate-responsive, timber-framed approach that seamlessly blends with the landscape—a philosophy that remains relevant today. Similarly, contemporary projects like the Sq'éwqel Community School in British Columbia and the Brooklin Community Centre in Ontario exemplify how regional materials and simple, bold forms can create spaces that feel both rooted in tradition and forward-looking.

Multi-Functional Hub for Research and Community

The first structure in the Master Plan could serve as a multi-functional hub, supporting education, research, and public programming while setting the tone for future development. Envisioned as a gateway to the farm, this building might include:

- Multi-purpose gathering spaces for lectures, workshops, and community events.
- A research wing, with flexible laboratories, climate-controlled rooms for crop studies, and collaborative workspaces.
- A demonstration and training kitchen, where sustainable food systems could be explored through hands-on learning.
- Public amenities, including washrooms, informal seating areas, and an information center for visitors.

Designed with welcoming overhangs and expansive porches, this structure could invite interaction, offering sheltered spaces where people gather before stepping into the heart of the farm. To the west, service areas could be discreetly integrated to ensure an uncluttered, visitor-friendly experience. To the southeast, the forecourt or courtyard could serve as an extension of the indoor programme further blurring the boundary between built form and working farm.

Additional structures, positioned to the southwest and southeast, could frame this courtyard over time, reinforcing a traditional farming cluster that provides a balance of shelter, efficiency, and spatial hierarchy.

Sustainability and Climate Resilience

The farm's built environment could be a model for sustainable design, integrating strategies that minimize environmental impact while enhancing long-term resilience. A net-zero carbon approach could guide decision-making, considering:

- High-performance building envelopes to reduce energy consumption.
- On-site renewable energy systems, such as solar panels or geothermal heating.
- Rainwater harvesting and greywater recycling, supporting irrigation needs.
- Minimizing the upfront, embodied carbon impacts of building materials.

Recognizing that Ontario's climate presents both challenges and opportunities, the design could incorporate passive cooling strategies, extensive roof overhangs for shade, and windbreaks to provide protection from harsh winter conditions. Porches, covered walkways, and seasonally adaptable spaces would ensure that the farm remains an accessible and enjoyable destination year-round.

A Place of Innovation, Learning, and Identity

Ultimately, the Trent Research Farm's architecture has the potential to do far more than provide shelter—it could serve as a living extension of the farm's mission, reflecting its dedication to innovation, research, and community engagement. Through a carefully considered design approach, the farm's built form could:

- Strengthen the farm's identity, acting as a recognizable landmark within the university.
- Provide meaningful indoor and outdoor spaces, supporting research, education, and public engagement.
- Advance Trent University's sustainability goals, creating a precedent for regenerative design in agricultural settings.
- Encourage a deep connection to place, fostering interactions between people, food systems, and the environment.

This is an extraordinary opportunity to explore how architecture can elevate agricultural and research initiatives, transforming the Trent Research Farm into a national model of resilience, innovation, and thoughtful design.

Potential Future Studies, Permits, and Drawings

Future studies and permits that may be required to support proposed site alterations on the property at the Site Plan/ Detailed Design phase include:

- **Environmental Impact Study (EIS)** – required under the City of Peterborough Official Plan (2024) when *development* or *site alteration* is proposed within or adjacent to (i.e., 120 m) a Level A, B or C natural heritage feature which include:

  Level A:

  i. Provincially Significant Wetlands;
  ii. Significant Woodlands;
  iii. Significant Valleylands;
  iv. Provincially or Regionally Significant Life Science or Earth Science
  v. Areas of Natural and Scientific Interest;
  vi. Permanent and Intermittent Watercourses (including Little Lake);
  vii. Habitat for Threatened or Endangered Species; and,
  viii. Significant Wildlife Habitat

  Level B:

  i. Non-Provincially Significant Wetlands or Unevaluated Wetlands greater than 0.5 hectares or 0.2 hectares to 0.5 hectares that meet one or more of the following:
     - Located within a flood plain;
     - Contiguous with a permanent or intermittent watercourse, a Significant Valleyland or Level A or Level B woodland;
     - Identified as a fen or a bog; or,
     - Identified as part of a Proximity Linkage or Regional Connection;
  ii. Non-Significant Woodlands greater than or equal to 0.2 hectares;
  iii. Non-Significant Valleylands;
  iv. Locally Significant Life Science or Earth Science Areas of Natural and Scientific Interest;
  v. Naturally Occurring Waterbodies; and,
  vi. Wildlife Habitat within semi-natural features

  Level C:

  i. All wetlands that do not otherwise qualify under Natural Heritage System Level A or Level B; and,
  ii. Ephemeral watercourses

  Note: A vegetation protection zone should be established of sufficient width to protect the feature and functions of the feature from negative impacts of development (ref. Table A in the Official Plan).

- **Tree Removal Permits** – required under the City of Peterborough Tree Removal Bylaw 21-074 for the removal of private or City-owned trees.
- **ORCA (Otonabee Region Conservation Authority) Permits** – required for any proposed development or site alteration within regulated areas.
- **DFO (Department of Fisheries and Oceans) Request for Review** – required for projects taking place in or near water (i.e. proposed pedestrian bridge). It is unlikely that a **Fisheries Act Authorization** will be needed if fish and fish habitat avoidance and mitigation measures are applied.
- Geotechnical Report
- Hydrogeological Assessment
- Traffic Study
- Stormwater Management Report
- Functional Servicing Report
- Cost Estimates
- Detailed Design Drawings
  - Site Servicing Plans
  - Topographic Survey
  - Site Grading Plan
  - Landscape Architectural Plan
  - Lighting Plan
  - Architectural Drawings
- Existing Invasive Species Mapping
- Entrance Assessment
- Site Plan Approval(s)
- Building Permit(s)

Phasing Strategy

The Trent University's Sustainable Farm Master Plan is the first iteration of physical planning on the farm site. There is tremendous potential for the future. As such, elements of the plan are early ideas that will evolve in ways that are yet-to-be determined. Priorities for implementation, funding opportunities, and research initiatives are currently loosely defined, but will become more definitive catalysts for development of the farm in the future.

The site is rural agricultural land. In contrast to urban development, where construction sequencing can be critical due to space constraints, the sequencing of construction here is relatively flexible because of unobstructed access to most areas. Many new research initiatives can take place without being dependent upon other development on the land. The existing conditions are not complex enough to warrant suggestions of rigid phasing. Priorities determined by Trent faculty, staff and administration will be the likely determinants of phasing sequence. These priorities will need to be re-evaluated regularly to manage the farm's growth and expansion over time. Implementation will be based on funding requirements and opportunities, level of effort and personnel/equipment required to establish elements of the plan, and timing of municipal servicing extensions along Pioneer Road.

That said, the following broad outline of phasing is suggested:

Phase 1

- Implementation of research initiatives / plots and short-term initiatives that do not require municipal servicing
- Removal of existing barn (currently in unsafe condition), salvaging as much barnboard and structural wood as possible
- Removal of invasive species in hedgerows
- Design and install:
    - Gravel parking and planting screening in place of old barn
    - New orchard along east side of existing farm laneway
    - New native species to enhance existing hedgerows
    - Orchards and agro-forestry areas in fields 4 and 7

Phase 2

- Design and install:
    - Infrastructure for Primary Hub (servicing along Pioneer Road or drilled well and septic system for primary hub)
    - Primary Hub Building
    - Parking in support of Primary Hub
    - Rainwater harvesting and LID storm water management in support of Primary Hub
    - 'back of house' facilities to service both the existing driveshed activities and the Primary Hub

Phase 3+

- Design and install:
    - Support structures, container structures and/or greenhouses and/or hoop houses for Field 1, after space allocation for Primary Hub infrastructure, building, parking and back of house needs is determined
    - Apiary and pollinator meadow in Field 6
    - Maple syrup operation with planting of new sugar maple trees in Field 6
    - Smoke house and tall grass prairie; native grass trials
    - Amphitheatre in Field 7
    - Other research test plots in Fields 1, 2, 3, 4 and 7

Conclusion

Since the beginnings of the Sustainable Agriculture and Food Systems (SAFS) programmes at Trent University in 2011, and especially since the adoption of the Trent Lands and Nature Areas Plan in 2021, the future of this farmland has stirred excitement for the potential of SAFS programmes at the University. Existing and ongoing research at the site comprises the ground floor of programming around which new and associated research, revenue-generating activities and community partnerships can be built.

The lands will support a vast array of activities and projects of the SAFS programme. The farm will be a vibrant hub where classroom teaching will come to life in experiential learning. Sustainable agriculture, climate change research, eco-agriculture, agroforestry, soil science, safe food production, agricultural entomology, agroecological practises and policies are examples of the exciting areas of applied learning. As well, new facilities designed with renewable energy, rain-water harvesting, low-impact design storm water management and net-zero principles for carbon neutrality will further inspire students and the community and deepen the passion for environmental improvement, sustainability and healthy food systems.

This Master Plan is a ‘first’ for envisioning the future of the site at this moment in time. It is a guiding document for high level organization of site uses and facilities of the farm, based on long-term goals and objectives and existing active research. A Master Plan is a living document, intended to evolve with time. First steps in implementation are yet to be defined, as priorities, new research and funding opportunities develop. It is a very exciting beginning for critical work in understanding, improving and teaching sustainable agriculture and food systems. It has been a privilege to participate with Trent faculty, administration, staff and our local community in articulating this fledgling vision in 2025.

Part 2: Technical Background

Ecological and Terrestrial Natural Heritage Review

Preliminary Constraint Assessment

Based on the review of background information, significant natural heritage features and policy areas have been identified. These features are associated with conservation policy objectives and pose constraints to site alteration and development. That said, there is a gradient of conservation priorities and associated level of constraint. This is relevant to future land-use planning, and findings have been organized into a very simple hierarchy to indicate lands that are most to least constrained. These features and policy areas have been assessed as being either high, moderate, or low based on their ecological significance and what types of activities can or cannot take place within or adjacent to them. These constraints are presented on Map 2 on page 43 and listed below:

Highest Constraints:

1. Significant Woodlands
2. Nassau Wetland Complex
3. Species at Risk
4. Candidate Significant Wildlife Habitat
5. Permanent and Intermediate watercourses
6. Fish Habitat

Moderate Constraints:

1. Unevaluated Wetlands
2. Woodlands pending assessment
3. Hedgerows

Low Constraints:

Areas that have not been identified as high or moderate ecological constraints and may offer the most potential for future development or enhancement.

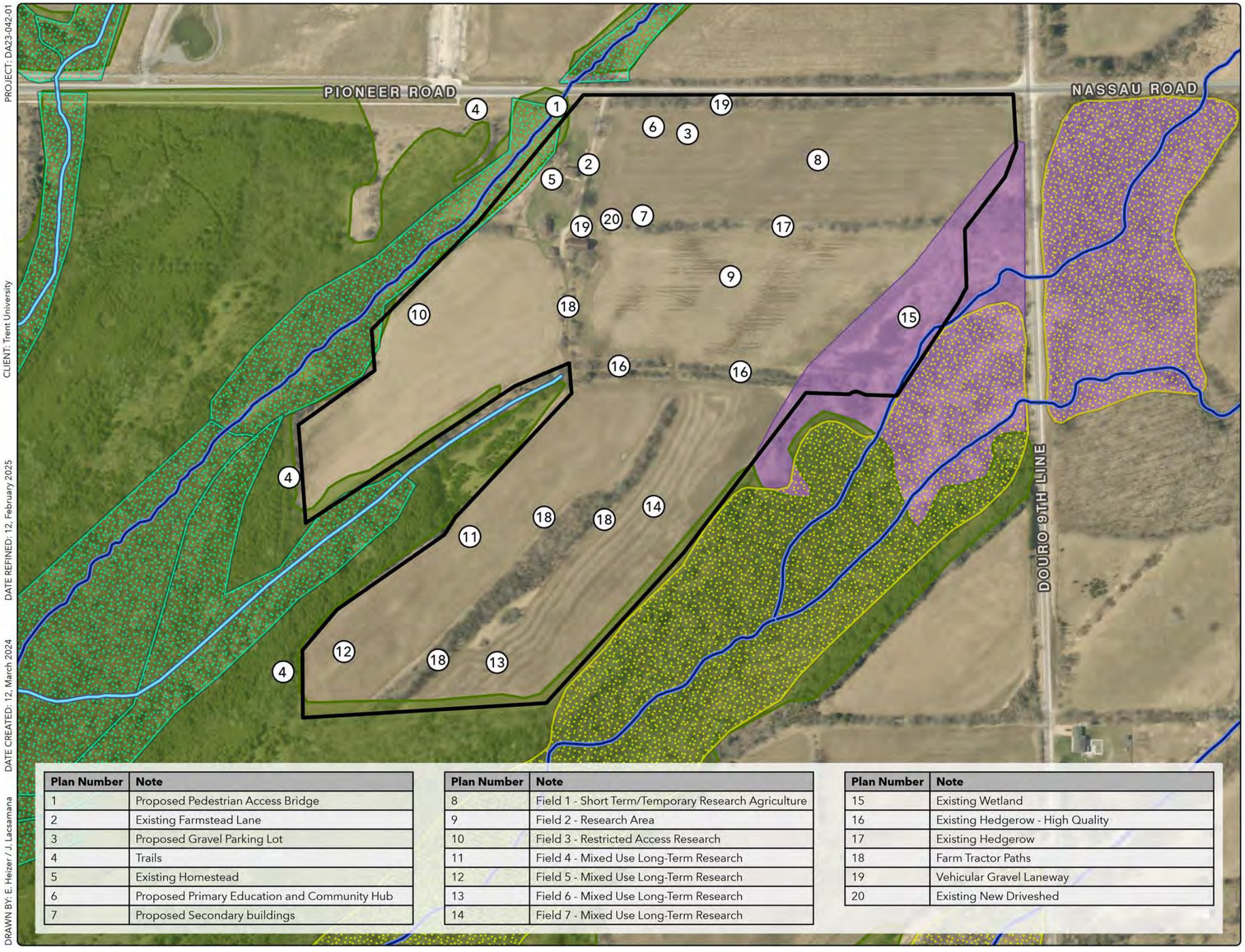
PROJECT: DA23-042-01

CLIENT: Trent University

DATE CREATED: 12, March 2024

DATE REFINED: 12, February 2025

DRAWN BY: E. Heizer / J. Lacsamana



Map 1: NH Features

Trent University Farm Master Plan

- Study Area (Basterfield)
- Road (MNRF, 2024)

Watercourse (MNRF, 2024)

- Intermittent
- Permanent

Significant Wetland (MNRF, 2024)

- Evaluated Wetland
- Unevaluated Wetland

Woodland (Dougan/NSE, 2020)

- Pending Further Assessment
- Significant Woodland

0 30 60 120
Metres
1:3,500

N

NAD 1983 UTM Zone 17N

Orthoimagery Source: City of Peterborough, Maxar

The information displayed on this map has been compiled from various sources. While every effort has been made to accurately depict the information, this map should not be relied on as being a precise indicator of locations, features, or roads, nor as a guide to navigation. MNRF data provided by Queen's Printer of Ontario. Use of the data in any derivative product does not constitute an endorsement by the MNRF or the Ontario Government of such products.

Dougan Ecology

Plan Number	Note
1	Proposed Pedestrian Access Bridge
2	Existing Farmstead Lane
3	Proposed Gravel Parking Lot
4	Trails
5	Existing Homestead
6	Proposed Primary Education and Community Hub
7	Proposed Secondary buildings

Plan Number	Note
8	Field 1 - Short Term/Temporary Research Agriculture
9	Field 2 - Research Area
10	Field 3 - Restricted Access Research
11	Field 4 - Mixed Use Long-Term Research
12	Field 5 - Mixed Use Long-Term Research
13	Field 6 - Mixed Use Long-Term Research
14	Field 7 - Mixed Use Long-Term Research

Plan Number	Note
15	Existing Wetland
16	Existing Hedgerow - High Quality
17	Existing Hedgerow
18	Farm Tractor Paths
19	Vehicular Gravel Laneway
20	Existing New Driveshed

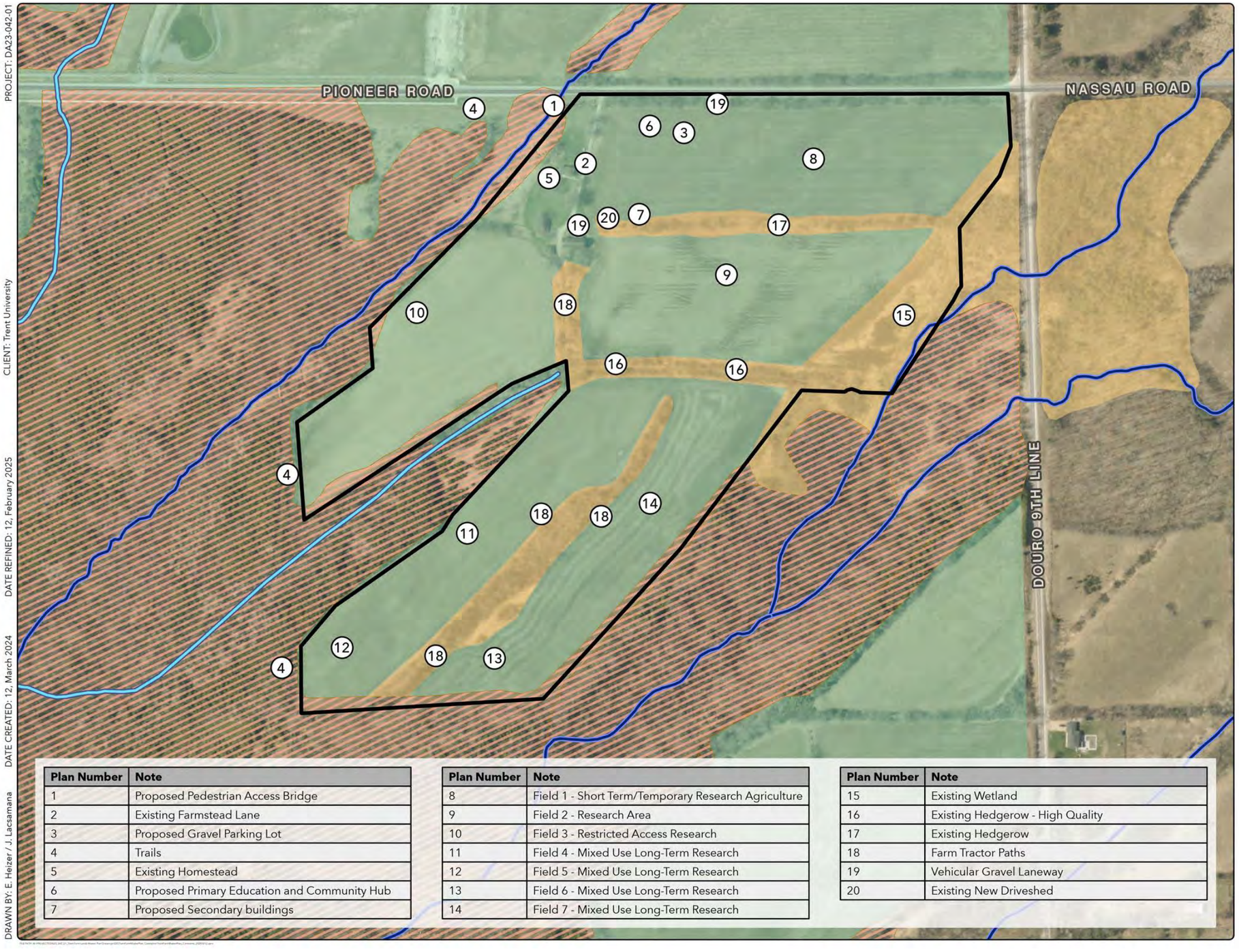
PROJECT: DA23-042-01

CLIENT: Trent University

DATE REFINED: 12, February 2025

DATE CREATED: 12, March 2024

DRAWN BY: E. Heizer / J. Lacsamana



Map 2: Preliminary Constraints
Trent University Farm Master Plan

- Study Area (Basterfield)
- Road (MNRF, 2024)

Watercourse (MNRF, 2024)
- Intermittent
- Permanent

Preliminary Constraint Assessment (Dougan/NSE, 2020)
- High
- Moderate
- Low

0 30 60 120
Metres
1:3,500

N

NAD 1983 UTM Zone 17N

Orthoimagery Source: City of Peterborough, Maxar

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Plan Number	Note
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Plan Number	Note
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9	Field 2 - Research Area
10	Field 3 - Restricted Access Research
11	Field 4 - Mixed Use Long-Term Research
12	Field 5 - Mixed Use Long-Term Research
13	Field 6 - Mixed Use Long-Term Research
14	Field 7 - Mixed Use Long-Term Research

Plan Number	Note
15	Existing Wetland
16	Existing Hedgerow - High Quality
17	Existing Hedgerow
18	Farm Tractor Paths
19	Vehicular Gravel Laneway
20	Existing New Driveshed

PROJECT: DA23-043-01

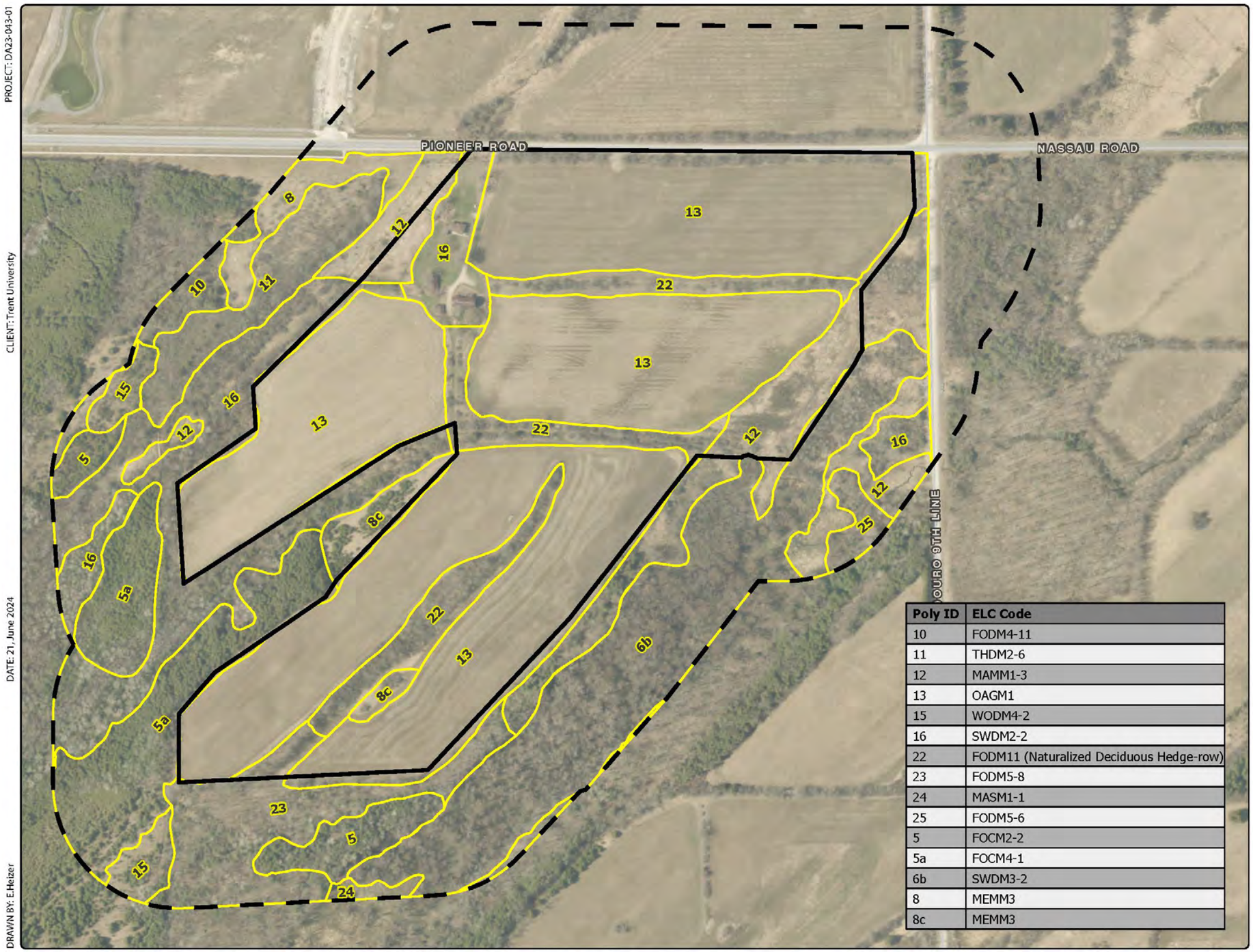
CLIENT: Trent University

DATE: 21, June 2024

DRAWN BY: E.Heizer

Map 3: Ecological Land Classification

Trent University Farm Master Plan



Vegetation Community

Adjacent Lands (120m)

Study Area

Poly ID	ELC Code
10	FODM4-11
11	THDM2-6
12	MAMM1-3
13	OAGM1
15	WODM4-2
16	SWDM2-2
22	FODM11 (Naturalized Deciduous Hedge-row)
23	FODM5-8
24	MASM1-1
25	FODM5-6
5	FOCM2-2
5a	FOCM4-1
6b	SWDM3-2
8	MEMM3
8c	MEMM3

0 30 60 120
Metres
1:3,432

N

Datum: NAD 1983 UTM Zone 17N

Orthoimagery Source: City of Peterborough, Maxar, Microsoft

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ECOLOGICAL CONSULTING & DESIGN

3-7 EDINBURGH ROAD SOUTH GUELPH ON N1H 5N2
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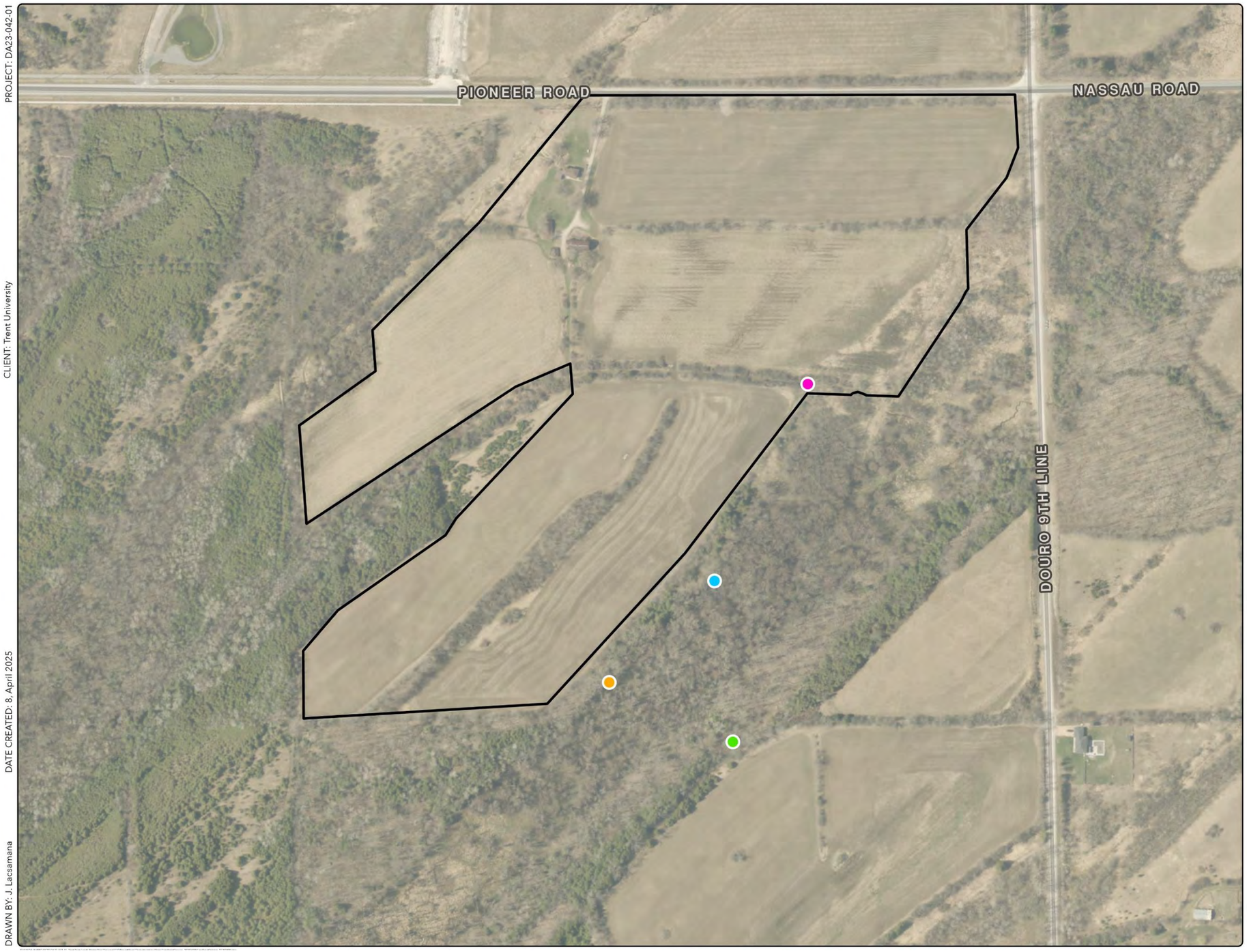
PROJECT: DA23-042-01

CLIENT: Trent University

DATE CREATED: 8, April 2025

DRAWN BY: J. Lacsamana

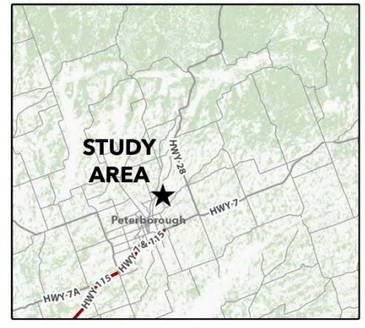


Map 4: Significant Wildlife Records
Trent University Farm Master Plan

- Study Area (Basterfield)
- Road (MNRF, 2024)

Significant Wildlife Records

- Eastern Wood-Pewee
- Monarch Butterfly
- Wood Thrush
- Possible Reptile Hibernaculum (Candidate Significant Wildlife Habitat)



0 30 60 120
Metres
1:3,500

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NAD 1983 UTM Zone 17N

Orthoimagery Source: City of Peterborough

The information displayed on this map has been compiled from various sources. While every effort has been made to accurately depict the information, this map should not be relied on as being a precise indicator of locations, features, or roads, nor as a guide to navigation. MNRF data provided by Queen's Printer of Ontario. Use of the data in any derivative product does not constitute an endorsement by the MNRF or the Ontario Government of such products.

Dougan Ecology

High Constraints

High constraint features are unsuitable for development and include Provincially Significant Wetlands (PSWs), Significant Woodlands, Significant Wildlife Habitat, Fish Habitat, Permanent and Intermediate Watercourses and Habitat of Threatened and Endangered Species. Not all these features could be mapped through the current study based on limitations of existing data. High constraint features are protected in accordance with applicable plans and policies (i.e., PPS, Municipal Plans, etc.). Opportunities to enhance existing form or function of these significant features may be explored to support an overall net benefit goal of the systems-based approach to natural heritage management.

Provincially Significant Woodlands

Policy Summary: Provincially Significant Woodlands are defined by and protected under the Provincial Policy Statement (PPS, 2020). In accordance with section 2.1.5 of the PPS, development and site alteration is not permitted in Significant Woodlands unless it can be demonstrated that there will be no negative impacts on the natural feature or its functions. Section 2.1.8 states that development and site alterations are also not permitted on adjacent lands (i.e. within 120m) unless the ecological function of the adjacent lands has been evaluated and it is demonstrated that no negative impacts will occur to the Significant Woodland or its ecological functions.

The City of Peterborough Official Plan (2023) states that Development and site alteration will not be permitted in Level A Significant Woodlands. Level A Significant Woodlands are defined as provincially significant. Level A features are afforded the highest level of protection, and the intent is to protect the form and function of these areas in situ..

Site Implications: The Natural Heritage Report within the Trent Lands and Nature Areas Plan indicated the woodland complex south of Pioneer Road is qualifies as a Significant Woodland based on criteria identified in the Natural Heritage Reference Manual (NHRM). These criteria include woodland size, ecological functions (woodland interior habitat, proximity to other woodlands, linkages, water protection, and woodland diversity) and other uncommon characteristics. The woodland exceeded many of these criteria at 142ha with 38.5 ha of interior habitat across the woodland. This woodland is therefore considered to be provincially Significant and is protected under the PPS and City of Peterborough Official Plan. A 10m buffer, determined by an EIS, may apply to this feature as outlined in City of Peterborough Official Plan.

Provincially Significant Wetland - Nassau Wetland Complex

***Policy Summary*:** Provincially Significant Wetlands are defined by and protected under the Provincial Policy Statement (PPS, 2020). Wetlands are assessed in accordance with the Ontario Wetland Evaluation System (OWES), Southern Manual, 3rd Edition, Version 3.3 (MNRF 2014) to assess them for provincial significance. This manual sets out the criteria for assessing the significance of wetlands at the provincial level. Existing, evaluated PSWs are used for the purposes of this preliminary assessment; unevaluated wetlands were not assessed against OWES as part of the Trent Lands and Nature Areas Plan. In accordance with section 2.1.4 of the PPS, development and site alteration is not permitted in Significant Wetlands. Section 2.1.8 states that development and site alterations are also not permitted on adjacent lands (i.e. within 120m) unless the ecological function of the adjacent lands has been evaluated and it is demonstrated that no negative impacts will occur to the Significant Wetland or its ecological functions.

Provincially Significant Wetlands are defined as Level A features in The City of Peterborough Official Plan (2023). Development and site alteration is not permitted in Level A Provincially Significant Wetlands. Level A features are afforded the highest level of protection, and the intent is to protect the form and function of these areas in situ.

Site Implications: The Nassau Wetland Complex is located adjacent to the project site. The complex was evaluated in 2019 and determined to be provincially significant. This complex is protected under the PPS and City of Peterborough Official Plan. A 30 m buffer may apply determined by an EIS as outlined in the City of Peterborough Official Plan.

Species At Risk (SAR)

Policy Summary: The Endangered Species Act (2007) legislation provides the provincial mandate for the protection of species identified as Endangered, Threatened or Special Concern at the provincial level. Significant habitats of provincially Endangered and Threatened species are specifically protected from development in the PPS, and habitats of provincial Special Concern species are recognized under the Province's Significant Wildlife Habitat categories.

Site Implications: The most comprehensive SAR screening analysis was completed as part of The Natural Heritage Report within the Trent Lands and Nature Areas Plan. The assessment was completed throughout Trent Lands and therefore includes many species which may not be present on the site. SAR screening species outlined in the 2020, 2021 and 2022 Annual Monitoring Report Card – Trent University Wetland Monitoring by Cambium, and Trent Research and Innovation Park SAR Screening Assessment by D.M. Wills serve as a more accurate representation of species that may be present on the project site. Several SAR have been identified on or adjacent to the Trent Farm campus property.

Species at Risk

- Bank Swallow (THR)
- Black Ash (END)
- Bobolink (THR)
- Butternut (END)
- Cerulean Warbler (THR)
- Chimney Swift (THR)
- Eastern Meadowlark (THR)
- Eastern Whip-poor-will (THR)
- Henslows's Sparrow (END)
- King Rail (END)
- Least Bittern (THR)
- Loggerhead Shrike (END)
- Little Brown Myotis (END)
- Tricolored Bat (END)
- Western Chorus Frog (THR)

Species of Special Concern

- Bald Eagle (SC)
- Barn Swallow (SC)
- Black Tern (SC)
- Eastern Wood-pewee (SC)
- Evening Grosbeak (SC)
- Midland Painted Turtle (SC)
- Milksnake (SC)
- Monarch (SC)
- Northern Map Turtle (SC)
- Peregrine Falcon (SC)
- Red-headed Woodpecker (SC)
- Snapping Turtle (SC)
- Wood Thrush (SC)

Of this list, 3 species were confirmed to be present within the farm study area and adjacent lands (within 120m lands), with records provided by Trent's Land Stewardship Coordinator (Map 4): Monarch Butterfly (Danaus plexippus), Eastern Wood-Pewee (Contopus virens) and Wood Thrush (Hylocichla mustelina).

As several SAR are known to reside on campus, any proposed development should undergo a SAR screening of the specific area targeted for site alterations. SAR screening completed in 2017 by D.M. Wills were limited to the fields north of Pioneer Road outside the study area. SAR screening conducted by Cambium as part of their 2020, 2021, and 2022 reports were limited to the natural heritage features to the west of the project site. SAR screening completed in 2016 by D.M Wills was limited to the northwest section of the southern site adjacent to Nassau Mills Road and did not account for adjacent properties. The Natural Heritage Report within the Trent Lands and Nature Areas Plan serves as the best reference regarding SAR; however, the study locations extend beyond the geographical boundaries of the assignment. A comprehensive scoped SAR screening of the project site should be conducted. If SAR are present in areas proposed for development, and the proposed activities will contravene the ESA, MECP (Ministry of Environment, Conservation and Parks) must be consulted and provisions under the Endangered Species Act (2007) will apply. Targeted surveys may be required.

Section 4.1 of O. Reg. 242/08 under the Endangered Species Act (the exemption Regulation) allows "agricultural operations" to continue where Bobolink and Eastern Meadowlark occur on the landscape. Eastern Meadowlark has been recorded on farm field further to the southeast, west of Douro 9th Line.

A number of provincially tracked species records exist for the nearby Trent Wildlife Sanctuary Nature Area, west of University Road (also provided by Trent's Land Stewardship Coordinator). These records are all from outside of the study area and adjacent lands (120m) and therefore are not included as part of this summary.

Significant Wildlife Habitat (SWH)

Policy Summary: Under the Provincial Policy Statement (PPS) (2020) Significant Wildlife Habitat (SWH) is addressed under section 2.1 – Natural Heritage. Section 2.1.5 states that development and site alteration shall not be permitted in SWH unless it can and has been demonstrated that no negative effects arising from development will occur on the natural features or their ecological functions (PPS, 2020). Compatible land uses and mitigation strategies for each category of Significant Wildlife Habitat can be found in the SWH Mitigation Support Tool (OMNRF 2014) should development or site alterations be proposed in areas adjacent to these habitat types.

Site Implications: The Natural Heritage Report within the Trent Lands and Nature Areas Plan identified and mapped confirmed SWH including Habitat for Rare or Special Concern Species (Snapping Turtle), Seeps and Springs, Amphibian Breeding Habitat (Woodland) and Amphibian Movement Corridor. All confirmed SWH was mapped outside of the study area. These confirmed SWH remain candidate within the adjacent natural heritage features. All Candidate SWH include on the project site include.

- Woodland Area- Sensitive Bird Breeding Habitat
- Special Concern and Rare Wildlife Species
- Reptile Hibernaculum (Map 4)

Multiple SWH were categorized as not having sufficient information to complete the analysis. These SWH categories include:

- Terrestrial Crayfish Habitat
- Waterfowl Stopover and Staging Area (Terrestrial)
- Waterfowl Stopover and Staging area (Aquatic)
- Rare Vegetation Communities
- Colonial Bird Nesting Habitat (Cliff/Bank Swallow)

Trent Lands and Nature Areas Plan identified several parts of the campus as candidate Significant Wildlife Habitat (SWH), although further studies would be needed to evaluate if these areas meet the criteria for significance. If SWH is confirmed, it is protected under the PPS (2020) and must be protected from negative impacts. Note that Candidate SWH has not been included on Map 2 since in many cases more detailed studies are needed to determine where candidate habitat is located.

Section 4.1 of O. Reg. 242/08 under the Endangered Species Act (the exemption Regulation) allows "agricultural operations" to continue where Bobolink and Eastern Meadowlark occur on the landscape.

Permanent and Intermittent Watercourses

Policy Summary: Ontario Regulation 167/06 under the Conservation Authorities Act for the Otonabee Region Conservation Authority regulates development, interference with wetlands, and alterations to shorelines and watercourses. It aims to prevent developments and alterations that could negatively impact flood control, erosion, pollution, and the conservation of land. Section 2 (1) states that

> *2. (1) Subject to section 3, no person shall undertake development or permit another person to undertake development in or on the areas within the jurisdiction of the Authority that are,*
>
> *a) river or stream valleys that have depressional features associated with a river or stream, whether or not they contain a watercourse.*

Activities within regulated areas are subject to these regulations and, in accordance with the regulation, may require a permit to proceed.

Site Implications: A preliminary screening of Ontario Hydro Network (OHN) – Watercourse data layer indicates that one permanent stream is present on the site (Map 1). Multiple Intermittent and Permanent streams exist on the adjacent lands. Otonabee Region Conservation Authority regulated areas mapping is required to adequately assess the limits of constraint on these features.

Fish Habitat

Policy Summary: Under the Provincial Policy Statement (PPS) (2020) Fish Habitat is addressed under section 2.1 – Natural Heritage. Section 2.1.6 states that development and site alteration shall not be permitted in Fish Habitat except in accordance with provincial and federal requirements. Section 2.1.8 states that Development and site alteration shall not be permitted on adjacent lands to the natural heritage features and areas identified in policies 2.1.4, 2.1.5, and 2.1.6 unless the ecological function of

the adjacent lands has been evaluated and it has been demonstrated that there will be no negative impacts on the natural features or on their ecological functions.

The Federal Fisheries Act protects fish and fish habitats, including prohibiting the deposit of deleterious substances into waters frequented by fish. This includes sedimentation of watercourses during construction activities. Projects or activity in or near water that supports fish and fish habitat must be assessed to determine if the project or activity will result in Harmful Alteration, Disruption or Destruction (HADD) of fish habitat; where a HADD occurs, an authorization under the Act is required. Fish Habitat as defined in The Fisheries Act, means spawning grounds and any other areas, including nursery, rearing, food supply, and migration areas on which fish depend directly or indirectly to carry out their life processes.

Site Implications: The Natural Heritage Report within the Trent Lands and Nature Areas Plan identified all intermittent and permanent streams are considered to be potential fish habitat and are protected in accordance with provincial policy and the Fisheries Act.

Moderate Constraints

Although Moderate Constraints may present certain restrictions to development, they can also offer potential opportunities to implement conservation approaches, for example restoration ecology. To evaluate the feasibility of development or identify any constraints linked to these features, a detailed, site-specific assessment process, such as an Environmental Impact Study (EIS), is usually required. This process will help clarify or enhance the understanding of the benefits these features provide. Management strategies for these features will be established in collaboration with relevant regulatory bodies, such as the Otonabee Region Conservation Authority (ORCA) and the City of Peterborough, ensuring that any development aligns with environmental conservation goals. A potential moderate constraint category that is not discussed below includes buffers applied to high and moderate constraint features. Buffers vary in width measured from the outer extent of features and are commonly confirmed through the EIS process. Due to the variable nature of buffers, we have not specifically identified them as a constraint, nor have they been mapped but the reader should be aware that a buffer “may” apply.

Unevaluated Wetlands

Policy Summary: Unevaluated wetlands (Level B) outlined in The City of Peterborough Official Plan (2023) are defined as Non-Provincially Significant Wetlands greater than 0.5 hectares or 0.2 hectares to 0.5 hectares that meet one or more of the following:

- Located within a flood plain.
- Contiguous with a permanent or intermittent watercourse, a Significant Valleyland or Level A or Level B woodland.
- Identified as a fen or a bog; or,
- Identified as part of a Proximity Linkage or Regional Connection.

Level B features are important to the overall function of the Natural Heritage System. The intent is to preserve the function that these areas provide to the Natural Heritage System while allowing some flexibility in the protection of the feature in cases where it can be demonstrated that a net gain in function can be achieved through mitigation or a compensation strategy.

Site Implications: The Natural Heritage Report within the Trent Lands and Nature Areas Plan identified the wetland south of the study area and west of Douro 9th line as being unevaluated. A 15m buffer may apply to this feature determined in an EIS as outlined in the City of Peterborough Official Plan.

Woodlands Pending Assessment

***Policy Summary*:** Level B woodlands outlined in The City of Peterborough Official Plan (2023) are defined as Non-Significant Woodlands greater than or equal to 0.2 hectares. Level B features are important to the overall function of the Natural Heritage System. The intent is to preserve the function that these areas provide to the Natural Heritage System while allowing some flexibility in the protection of the feature in cases where it can be demonstrated that a net gain in function can be achieved through mitigation or a compensation strategy.

Site Implications: The Natural Heritage Report within the Trent Lands and Nature Areas Plan identified a woodland adjacent to the west of Douro 9th line as pending further assessment. This feature may impose constraints contingent upon the outcome of assessment. The determination of the significance of this feature requires field studies.

Hedgerows

Policy Summary: In some instances, agricultural hedgerows may be classified as being an extension of woodlands features. The City of Peterborough Official Plan states (pg. 289):

> *When determining the limit of a woodland, continuous agricultural hedgerows and woodland fingers or narrow woodland patches will be considered part of a woodland if they have a minimum average width of at least 40 metres and narrower sections have a length to width ratio of 3 to 1 or less (i.e., no more than 3 times longer than the average width of the narrow section). Internal undeveloped openings 20 metres or less in width are included in the calculation of woodland area. Internal undeveloped openings more than 20 metres wide but less than 0.2 hectare in area would be included in the calculated woodland area.*

Site Implications: : Various hedgerows are present on the site and connect to the adjacent significant woodland feature. The determination of the significance of these hedgerows is contingent on field delineation.

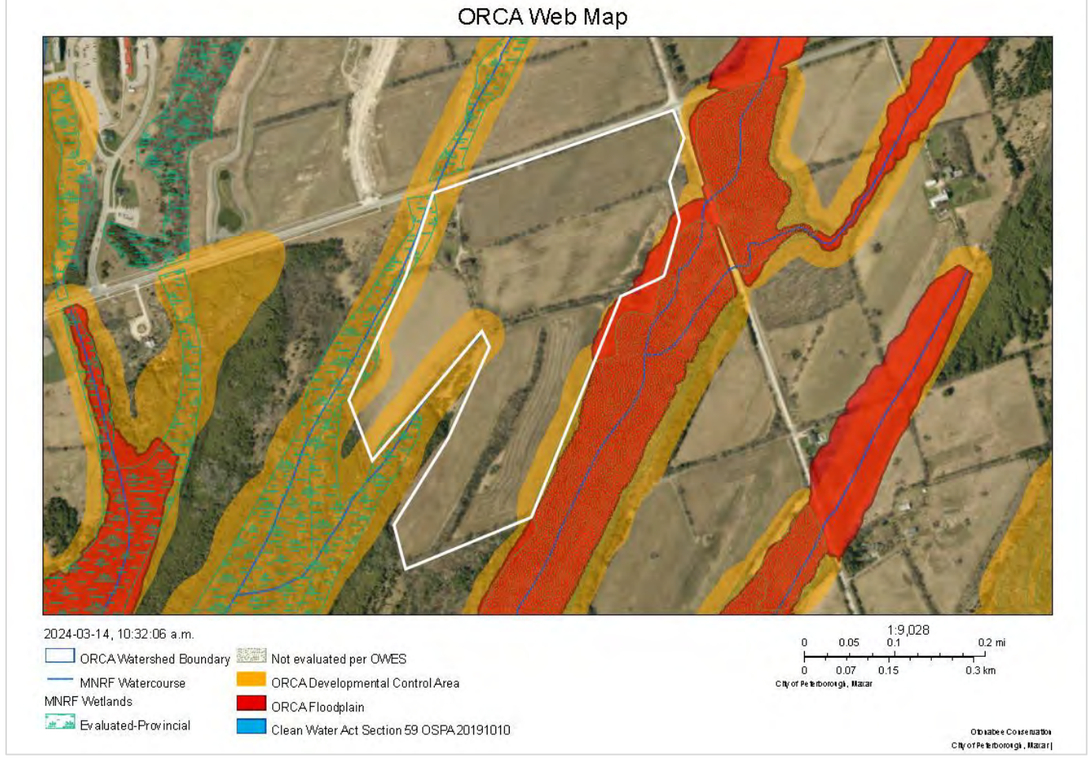
Low Constraints

Areas that have not been identified as having existing natural heritage policy constraints based on background review of existing data have been identified as low constraints on Map 2. It is likely that many of these areas could support site alterations or development in some capacity, although more detailed ecological studies may be required in certain areas to confirm the absence of any significant features that could limit development opportunities.

Gap Analysis

Based on a review of available background documents, the features identified on Map 2 have been well studied in the past due to their ecological significance. The main gaps in ecological data are around the access to data in digital format. The Ecological Land Classification (ELC) system provides a detailed framework for identifying and classifying vegetative land cover and habitat types. The absence of digitized ELC data in the report limits the ability to accurately visualize and assess the distribution, type, and extent of various ecological communities within the Trent Farm campus. ELC data was provided to Dougan GIS staff for mapping (Map 3) on handwritten annotated orthophoto maps, during the summer of 2024. The limit of current features is approximate based on-air photo interpretation and the hand-drawn ELC mapping provided by Trent. The precise delineation of the extent of such features is contingent on ground truthing.

The City of Peterborough Official Plan and Ontario Regulation 167/06 are pivotal in shaping land use and conservation strategies across the area. Digital boundaries of the regulated limits of these policies are not included in this assessment. Omitting spatial information from these regulatory documents may lead to a lack of clarity regarding the impact of municipal and provincial guidelines on development and conservation projects at the Trent Farm campus. However, a visual review of the raster images shows close affinity to the provincial features and will likely need confirmation through field delineation at a future detail phase anyway. The regulated features will be added to the map when available.



Civil Engineering Review

Servicing Requirements

Water Service Summary and Objectives

The existing water distribution system that services the City of Peterborough is owned and operated by the Peterborough Utilities Group (PUG).

Based on correspondence, schematics and a plan and profile drawing obtained through PUG, Engage Engineering confirms that there is a 300mm diameter watermain and hydrant constructed within the Pioneer Road right-of-way, up to the west side of the subject Site. The watermain and hydrant were installed in 2020 but have not yet been commissioned. PUG plans for the watermain to be commissioned when Cleantech Commons becomes occupied. All background information, including as-constructed drawings are included in **Appendix A: Existing Service Records.**

Sanitary Service Summary

The existing sanitary collection system and sewage treatment plant that services the site is owned and operated by the City of Peterborough.

Based on plan and profile drawings obtained through City of Peterborough Utility Services Department and available GIS Mapping data, Engage Engineering confirms that there is a 375mm diameter PVC sanitary sewer with a 1.0% slope within the Pioneer Road right-of-way (ROW), up to the west side of the site. The condition of the existing PVC sanitary service is very good based on its construction in 2020 and having a service life of 100 years. All background information, including as-constructed drawings are included in **Appendix A: Existing Service Records**.

Based on our review, the sanitary sewer in the Pioneer Road ROW is constructed at a depth of approximately 5.0m. There is no existing sanitary service for the subject property, therefore the existing residence on-site is serviced by a residential septic system. Extending the sewer for a new connection at the farm would pose a significant level of effort and cost.

Utility Servicing

Hydro One service (electricity) is available to the site via above ground service adjacent to the site, located on the north side of Pioneer Road within the existing right-of-way, though a minor extension may be needed to accommodate the proposed buildings.

Enbridge Gas indicated that detailed information will be supplied upon submission of a full design package. However, Enbridge did provide a schematic labeled “General Location Only,” which suggests the presence of a gas utility within the Pioneer Road right-of-way, in proximity to the site. Available mapping is included in **Appendix A: Existing Service Records**.

Site Access and Entrance Assessment

Site Access Summary and Objectives

The existing Site entrance is located 250m west of Douro 9th Line on Pioneer Road and consists of a gravel surface with no ditch culvert present. The Site entrance location seems adequate and centralized; the platform width and surface material may require an upgrade due to proposed future site development. A Site Entrance Assessment would verify the entrance has the required sight distance relative to posted speed, in each direction east and west on Pioneer Road.

Section 4 of the City of Peterborough Zoning by-laws addresses the Parking, Loading and Driveway requirements for developments; the Site is in Area 3 per the Schedule E (1) map, located at the end of Section 4.

There is a recently constructed standard concrete pedestrian sidewalk on the South side of Pioneer Road that ends at approximately 250m West of the Site entrance. The North side of Pioneer Road contains a 3.0m wide asphalt multi-use path, that ends at the same location.

Pioneer Road Looking East Towards Farm Entrance

Existing Sidewalk Termination on Pioneer Road West of Farm

Existing Multi-Use Trail from Main Campus

Stormwater Management

Stormwater Management Summary and Objectives

Currently the subject site receives flows from three external watersheds. Flows from these external areas are conveyed through culverts on Pioneer Road and Douro 9th Line into defined channels and wetlands that cross the site from North East to South West. The subject site itself is divided into three main catchments and two smaller catchments within the North-West and South-East Corners.

The existing natural channels are flanked on each bank by natural vegetation and wetland areas. The downstream receiver from the subject site is the Trent University Wildlife Sanctuary which includes a provincially significant wetland and silver maple swamp. Presently stormwater drains off of the site uncontrolled.

An external and internal catchment diagram is included as Figure 1 and Figure 2 respectively.

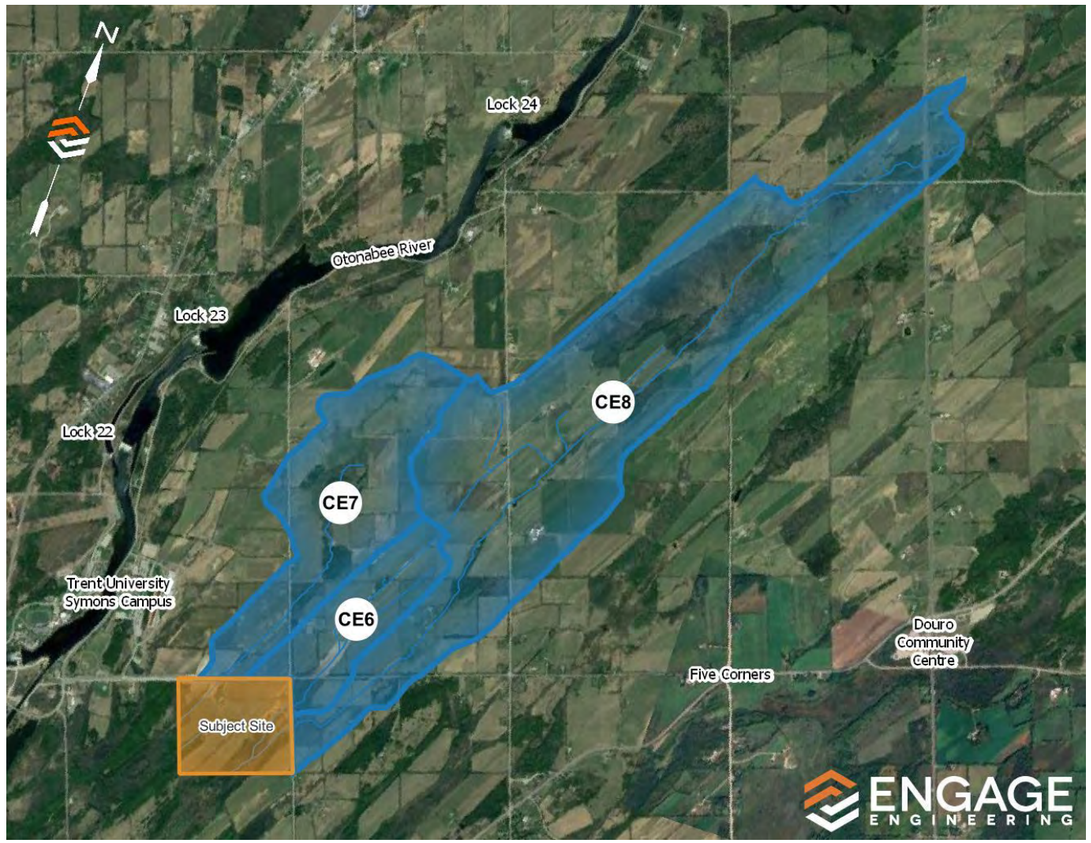


Figure 1: External Catchment Diagram

Figure 2: Internal Catchment Diagram

Floodplain

Floodplain Mapping Summary and Considerations

The subject site is bisected by two catchments that receive flows from upstream watersheds. Catchment 1 (C1) receives flows from external Catchment 7 (CE7). Catchment 3 (C3) receives flows from external Catchments 6 and 8 (CE6 and CE8). A review of upstream aerial imagery does not indicate the presence of any significant engineered stormwater controls. There are several large wetlands that will assist in minimizing flood risk to the subject site by providing storage volume and possibly shifting the time of peak flows. A diagram of the contributing catchment areas is included as Figure 2.

The existing channel within Catchment 1 has been partially mapped as part of a floodplain study completed by DM Wills in May 2017 as part of the redevelopment of the neighboring Cleantech Commons site. The highest floodplain elevation identified in this channel is 222.95masl while the

lowest elevation is 220.94masl. This catchment is the smallest of the contributing areas, as such should produce the lowest peak flows entering the subject site. As identified in the DM Wills report the extent of inundation during the regulatory storm event is minimal and mostly confined to the extent of the existing channel.

The channel within Catchment 3 (C3) receives flows from the largest external catchments (C6 and C8) and likely presents the most significant flood risk on the subject site. However, a review of the available topographic information indicates that the shallow side slope and middle course profile may provide adequate conveyance capacity for a regulatory storm event. Development located outside of the naturally defined floodplain will not likely to be impacted by such an event.

Summary

Developing the proposed experimental farm will require balancing the needs of users, budget, and environmental concerns of the site. Site civil requirements will need to be considered to maximize the benefits of the proposed development to all proponents. To this end, Engage Engineering has considered a selection of civil engineering interventions that are in line with engineering and sustainable best practices. Further details on the items considered as part of this report will be provided during the detailed design phase.

Existing Farm Lane and Parking Area Along Pioneer Road

Architectural Review

In the context of the Trent University Research Farm project, the review completed by Unity Design Studio of the site documentation offers a structured framework for assessing opportunities and constraints from a building perspective. This framework includes specific uses permitted on the land, such as educational institutions, residences, commercial establishments supportive of the primary educational function, and specific employment uses including research labs and technical service establishments. These regulations outline a conducive environment for a research farm that integrates educational, research, and potentially commercial activities related to agriculture and sustainability.

With the vision of the Trent University Research Farm focusing on innovative climate-smart agriculture, sustainable farming practices, local food security, and environmental research, the architectural design must reflect and facilitate these goals. Opportunities include creating adaptable research spaces that accommodate a range of agricultural studies and technologies, and incorporating sustainable building materials and practices that exemplify the farm's commitment to environmental stewardship. Constraints involve balancing the need for advanced research facilities with the preservation of natural landscapes and ensuring the infrastructure supports local food security initiatives without compromising ecological integrity. Any building design must not only serve functional and educational purposes but also embody the farm's leadership role in sustainable agriculture and environmental research.

From an architectural standpoint, the opportunity to design a multifaceted facility that encompasses educational spaces, research laboratories, and community engagement areas is significant. The inclusion of commercial uses, such as a retail store, could further support the research farm's operational model, potentially showcasing and selling produce grown on the farm. This creates a unique nexus of academia, research, and commerce, fostering a sustainable ecosystem that benefits students, researchers, and the local community.

The zoning requirements for the University and College Enhanced District 1 (UC.1) include a minimum lot width and depth of 30 meters, building setbacks of 3 meters or the building height (whichever is greater), and a maximum building coverage of 40%. Open parking areas, driveways, and vehicle movement areas are limited to 25% of the lot coverage. Commercial uses are restricted to a maximum floor area of 140 square meters and must be located on lots of at least 4 hectares. Over and above the zoning requirements, the sensitivity of the site emphasizes the need for a harmonious integration of built structures with the natural environment, aligning well with the ethos of a research farm focused on sustainability and environmental stewardship.

The existing structures on the Trent University Research Farm site, including a house, barn, and outbuildings, present unique opportunities for integration into the farm's future development. Although currently inaccessible due to occupation by a renter, these buildings warrant thorough evaluation for potential uses that align with the farm's vision. A structural analysis and a designated substance survey are essential steps to ensure their viability and safety. While the barn is beyond saving, it’s memory should be celebrated and the wood repurposed elsewhere on the site, contributing to educational objectives while preserving architectural heritage.

Setting a strong regenerative design goal for the built form on the site should be set. This involves crafting a vision that goes beyond sustainability; it means creating an environment that actively contributes to the restoration and rejuvenation of its surroundings. This regenerative approach requires a deep integration of the built environment with the natural ecosystem, ensuring that the architecture not only minimally impacts the environment but also enhances it. The goal is to design buildings and spaces that operate as living systems, interconnected with the landscape, local climate, and community. These structures should not only be self-sustaining in terms of energy, water, and materials but should also promote the health and well-being of its occupants and the local environment. The design should incorporate renewable energy sources, rainwater harvesting, and waste recycling systems, alongside the use of local, non-toxic, and sustainable materials.

The built form should also be designed for adaptability and resilience, able to accommodate future changes in use, technology, and climate conditions. Spaces should be flexible and multi-functional, promoting a range of activities and uses that reflect the evolving needs of the community and the environment.

Community engagement and education are integral to achieving a regenerative design goal. The design should facilitate learning and interaction, encouraging users to engage with and understand the regenerative processes at work.

In conclusion, the documentation reviewed by Unity provides a robust framework that supports the development of the Trent University Research Farm, offering ample opportunities for innovative architectural solutions that align with the project's goals. The environmental sensitivity constraints necessitate a thoughtful approach to design and planning, ensuring that the farm not only serves its educational and research purposes but also enhances the community and environment it is part of.

Exterior of Existing Barn

Interior of Existing Barn

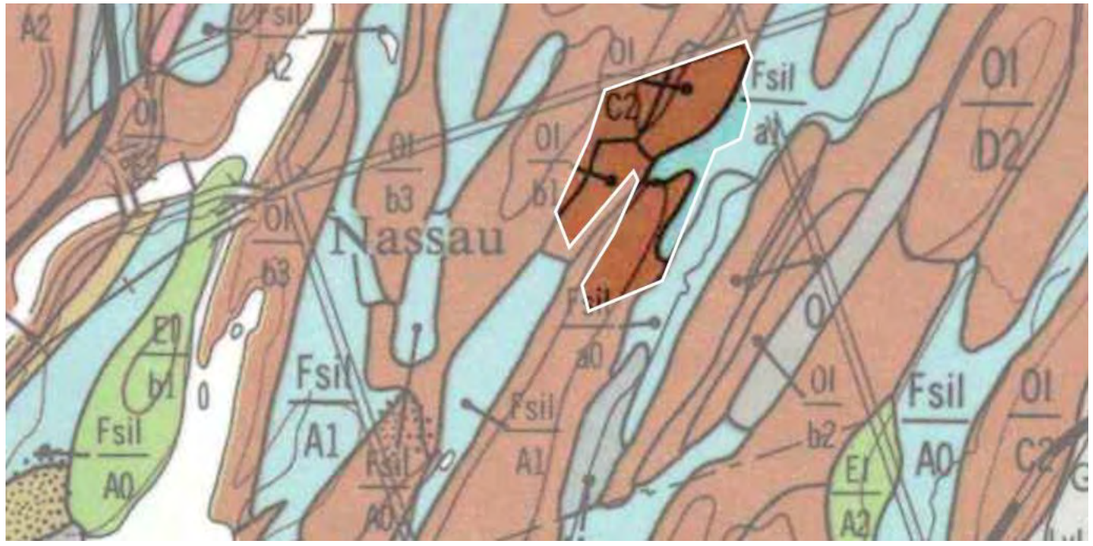
Existing Barn and Homestead

Landscape Architectural Review

Site Biophysical Inventory, Analysis, Opportunities and Constraints

Soils

From Government of Canada, Agriculture and Agri-food Canada, Peterborough County Soil Map; soil information by the institute of Pedology; compiled, drawing and published by the Cartography Section, Land Resource Research Institute, Research Branch, Agriculture Canada, Ottawa 1979; date modified: 2013-06-25.



Predominantly 0I/C2 and 0I/b1 in the farm activity areas outside the non-development zones:

0I/C2 - Map Unit and Surface Texture: Otonabee loam;
- Classification: Orthic Melanic Brunisol;
- Parent Materials: Calcareous moderately stony loam till;
- Drainage Class: excessively-drained to well-drained;
- Topography Class: simple topography; gently sloping;
- Stoniness class: moderately stony

0I/b1 - Map Unit and Surface Texture: Otonabee loam;
- Classification: Orthic Melanic Brunisol;
- Parent Materials: Calcareous moderately stony loam till;
- Drainage Class: excessively drained to well-drained;
- Topography Class: complex topography; irregular surface @ 0.5-2.0 % sloping;
- Stoniness class: slightly stony

Site Implications: Soil as classified is relatively fine-textured, drains quickly and is subject to erosion. Soil pH typically high in calcareous soil may need monitoring and soil amendment, depending on the crops to be grown. This might mean locating crops with high water requirement on lower slopes, and heavier use of drought-tolerant crops and mulches at the top of slopes. Or it could mean that permanent crops (orchard/nut trees and fruit shrubs) are located on high ground more susceptible to wind erosion, since the soil disturbance is minimal and erosion potential reduced with the root structures of permanent plantings.

Since the area of the site to be developed is nearly all existing tilled farm field, understanding the experience of the existing and previous farmers who have worked the site could be very beneficial, practical and informative. Previous farmers should be interviewed to share their experience with performance of various crops grown on the existing soils, the soil susceptibility to erosion, drainage characteristics, and soil depth and nutritive value.

Slope and Hillshade Analysis

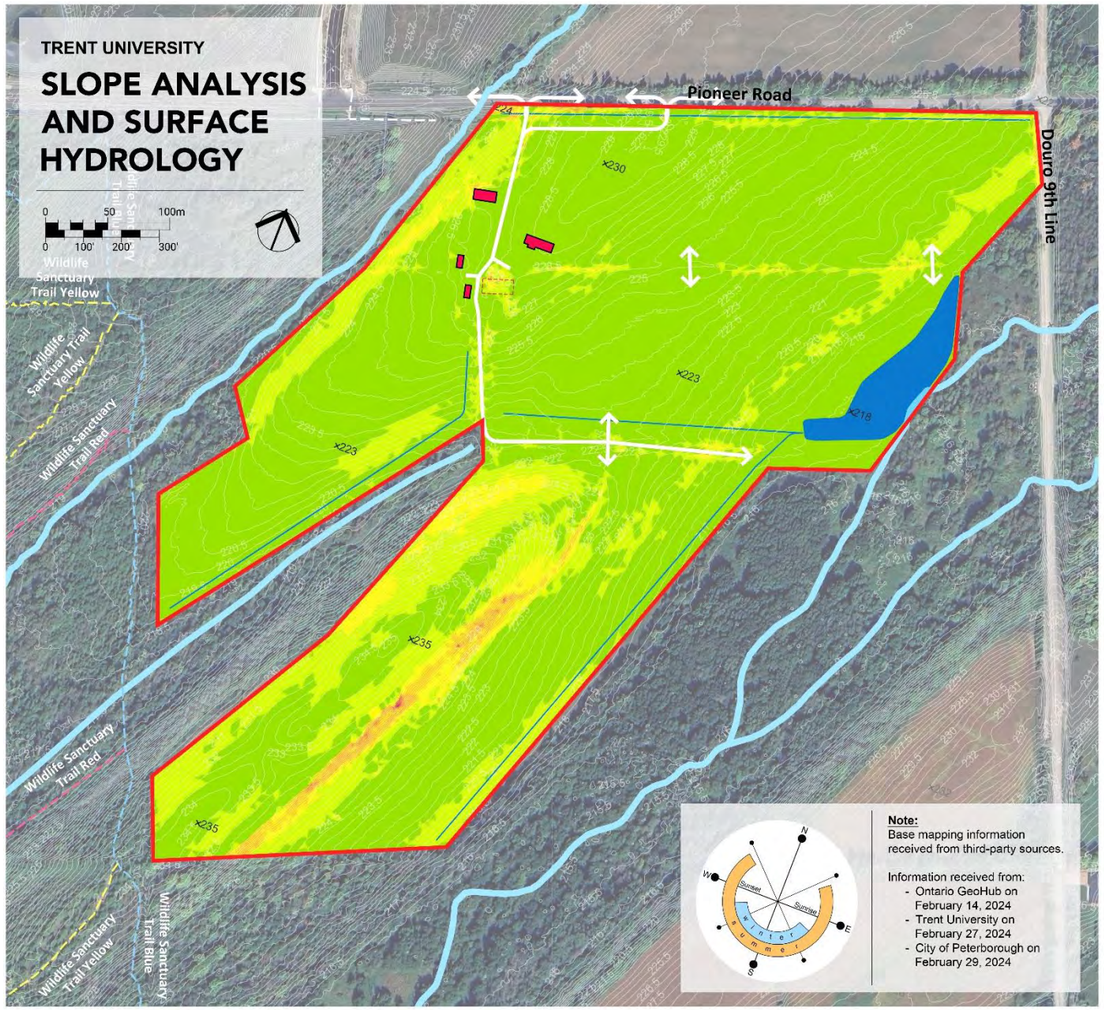
The majority of the site is sloping gently at less than 20%. There are small areas of steeper slopes ranging between 20% - 40% in association with more highly elevated portions of the site.

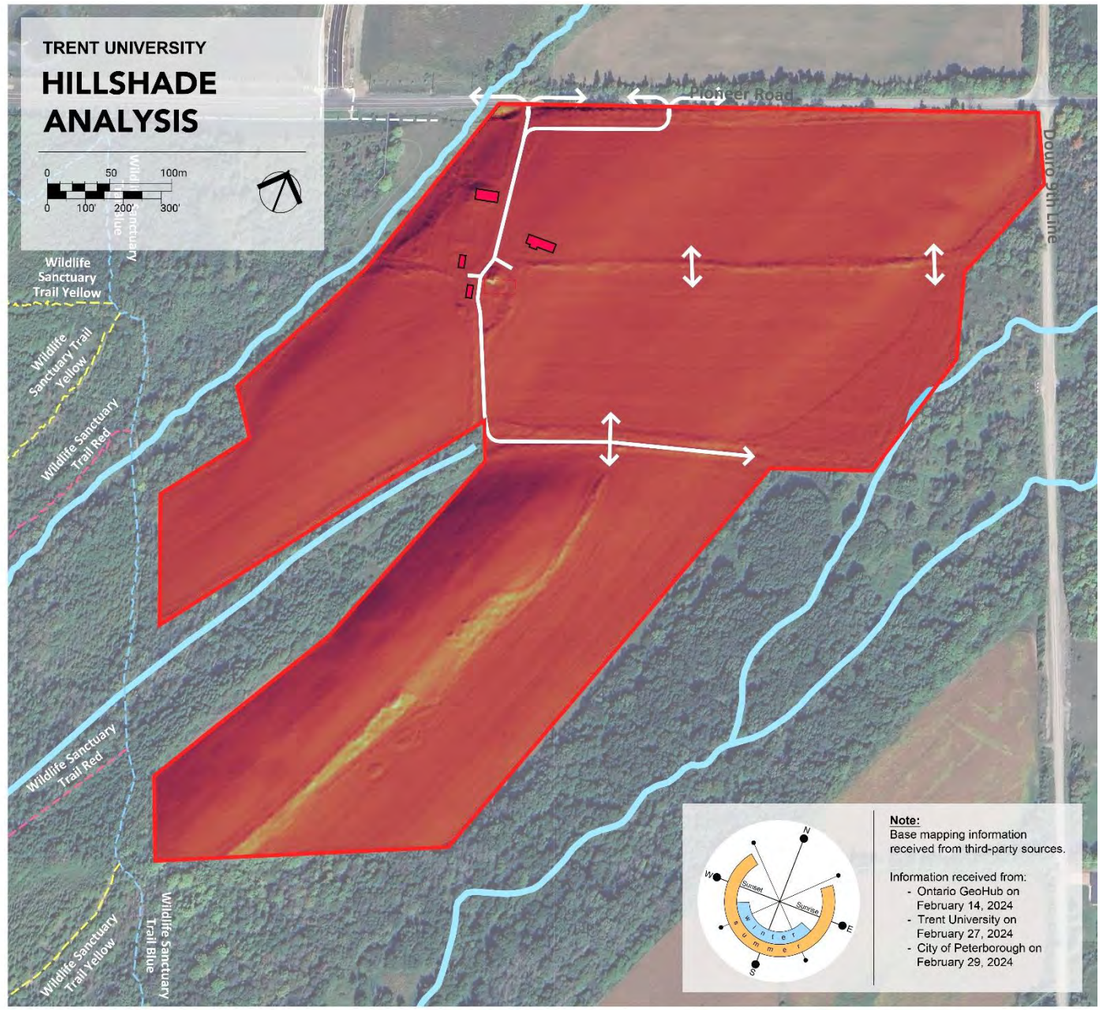
The majority of the slopes are south-facing, with the cooler north-facing slopes on the western edge of the site. There is a notable treed ridge that bisects the south field.

Refer to the following page for slope and hillshade diagrams.

Site Implications: Generally, the land's degree of slope and aspect are highly suitable to sustainable farming operations. There are higher/drier areas, as well as lower/wetter areas allowing for a broad spectrum of planting opportunities. Higher areas can be expected to be more windy, and the lower areas more protected from wind. These are opportunities for division of the site into zones for selection of crops and planting suited to the various microclimatic conditions.

The east side of the ridge that bisects the south field is an ideal condition for beekeeping activities. The land rises behind the edge of the field where hives could be located, and the treed ridge protects the backs of the hives, orienting the fronts of the hives to the warmth of the south-eastern exposure. Also this part of the site is relatively remote from the busier core of farm activities, anticipated to be closer to Pioneer Road where there is access to servicing and vehicular parking.


TRENT UNIVERSITY
SLOPE ANALYSIS AND SURFACE HYDROLOGY
0 50 100m
0 100' 200' 300'
Pioneer Road
Douro 9th Line
Wildlife Sanctuary Trail Yellow
Wildlife Sanctuary Trail Red
Wildlife Sanctuary Trail Blue
x230
x223
x218
x235
Note:
Base mapping information received from third-party sources.
Information received from:
- Ontario GeoHub on February 14, 2024
- Trent University on February 27, 2024
- City of Peterborough on February 29, 2024
Legend
Site Boundary
Vehicular Route
Trail
Watercourse
Drainage/Swale/Ditch
Wet Area
x217 Existing Elevation
< 10% Slope
10% - 20% Slope
20% - 30% Slope
30% - 40% Slope
40% - 50% Slope
50% - 60% Slope
60% - 70% Slope
> 70% Slope


TRENT UNIVERSITY
HILLSHADE ANALYSIS
0 50 100m
0 100' 200' 300'
Pioneer Road
Douro 9th Line
Wildlife Sanctuary Trail Yellow
Wildlife Sanctuary Trail Red
Wildlife Sanctuary Trail Blue
Note:
Base mapping information received from third-party sources.
Information received from:
- Ontario GeoHub on February 14, 2024
- Trent University on February 27, 2024
- City of Peterborough on February 29, 2024
Legend
Site Boundary
Vehicular Route
Trail
Watercourse
Low Sun Exposure (<4 hours)
High Sun Exposure (> 6 hours)

Site Circulation

Vehicular

Two existing driveway entrances connect the site to Pioneer Road. The more westerly entrance is the existing farm homestead's driveway. At the more easterly entrance there is existing gravel parking. The gravel parking has been connected to the existing barn site with a gravel laneway at the west edge of the north field. Informal compacted earth farm vehicle paths allow access to the existing fields. These appear to sustain low use.

***Site Implications*:** Once the existing farm homestead lands are available to be incorporated into the farm operations, there is potential to connect the two accesses with a looped vehicular circulation route that is efficient and compact. Parking and off-farm vehicular movements can be kept to the north edge of the site, without intrusion into core areas of the farm. Given future possibilities for fluctuating numbers of vehicles to access the site for daily activities and one-off events, the parking requirements will need to be determined.

Farm vehicle routes can be evaluated and upgraded as needed, with additional granulars and grading/drainage. Additional farm routes may be necessary as the plan develops, with the goal of keeping the farm lanes efficiently located, minimal and made of free-draining granulars.

Pedestrian

Existing pedestrian activity is associated with existing farm vehicle routes, and not formalized in any system of paths. Existing pedestrian activity is low compared with anticipated future conditions as the farm areas are phased-in and there are more people working on the site.

***Site Implications*:** The existing lands will be delineated into a wide variety of growing zones. Additional farm vehicle paths are likely to be required. But with the change from the current condition of large acreage of monoculture crop farming, to smaller divisions of research plots and diversity of growing techniques, there will be many more people working throughout the site. There will be a need for shade rest areas and available potable water, as well as pedestrian routes that are stable, dry and navigable throughout the growing season.

Active Transportation and Trails

The recently rebuilt Pioneer Road west of the site has capacity as a 'complete street', including active transportation lanes for bicycles, motorized wheelchairs, scooters etc. Existing trails connect the site to the broader system of trails throughout the University Green Network (UGN) and beyond.

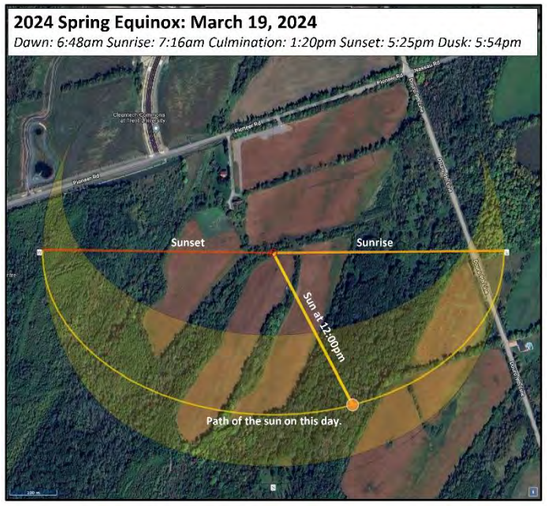
***Site Implications*:** Safety of sidewalk and trail intersections with vehicular routes, especially the farm entrances, will be a top priority. Advancement of the existing trails is not in the scope of this project, but opportunities to create new trail linkages will likely be evident with design development.

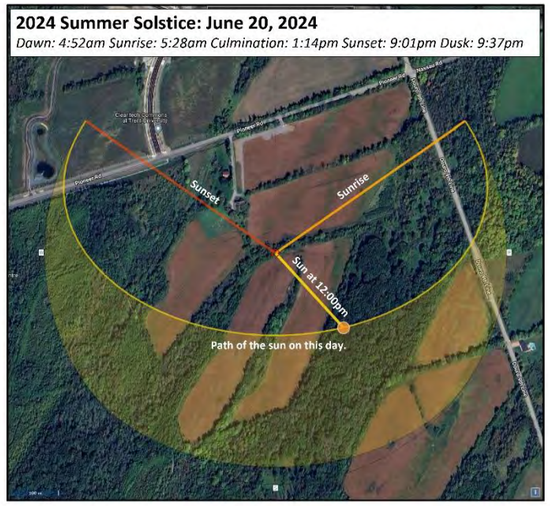
Weather Patterns

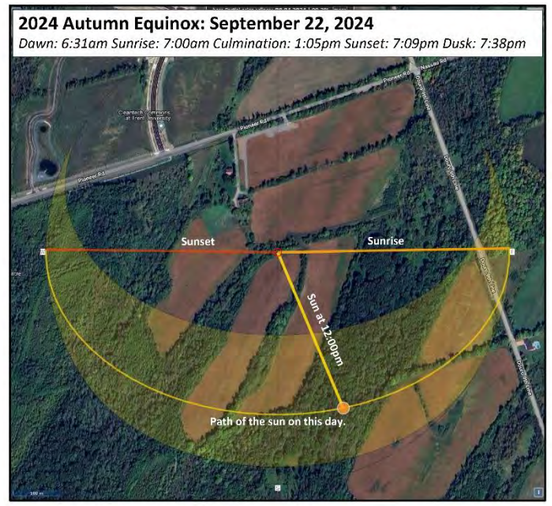
Planning for outdoor activities and spaces in the midst of climate change is an underlying challenge and will be a focus of farm research to improve crop resiliency and improved farming practices. Historical data for temperature and wind are included on the next page. Sun access diagrams for winter and summer solstice and spring and fall equinox are shown on the next page. The farm, as a component of the UGN, will be under the umbrella of management principles for the UGN as outlined in the TLNAP:

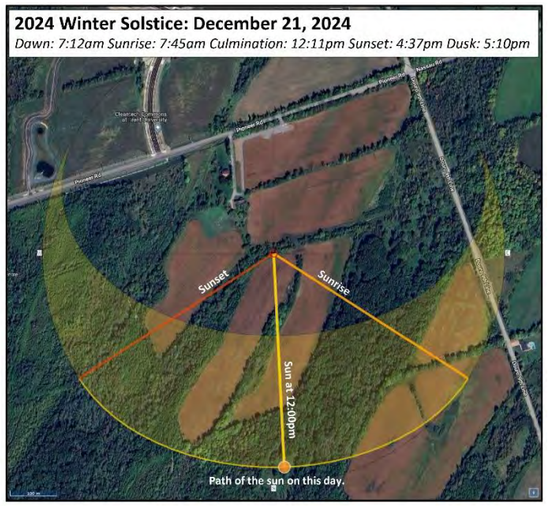
> *The UGN comprises a diverse network of spaces that require varying degrees of integration, protection, stewardship, and management. It extends biodiversity and ecosystem objectives beyond designated areas and the Trent Nature Areas and into the built landscapes on campus. The UGN includes three levels of protection, management and integration:*
>
> - *Conformity with and implementation of policy-based and legislated protections;*
> - *Stewardship and restoration of the Trent Nature Areas (Part III); and*
> - *Nature-inclusion and systems-based planning for development and land use…*
>
> *(TNLP, 2021, page. 61)*

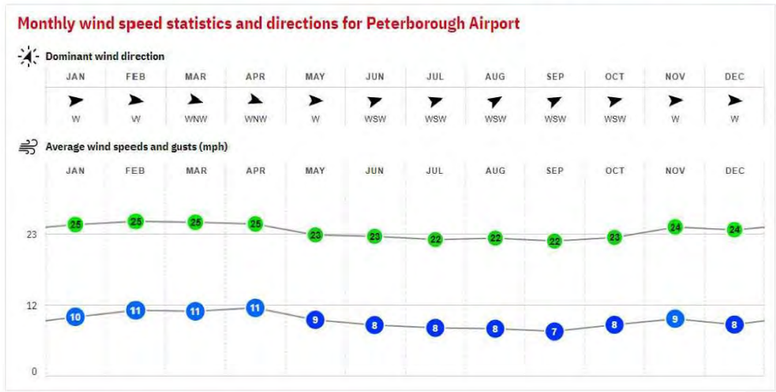
***Site Implications*:** Sustainable farming techniques will need to be resilient and evolve to increasing drought, excessive heat, heavy rainfall events and erratic storms. Record-keeping as part of the rigour of research will be essential in modifying equipment, materials and techniques going forward. The existing weather station is a tremendously valuable tool as a companion to the farm. Updating technology and performing all necessary maintenance to allow the weather station to function at its best should be a priority.

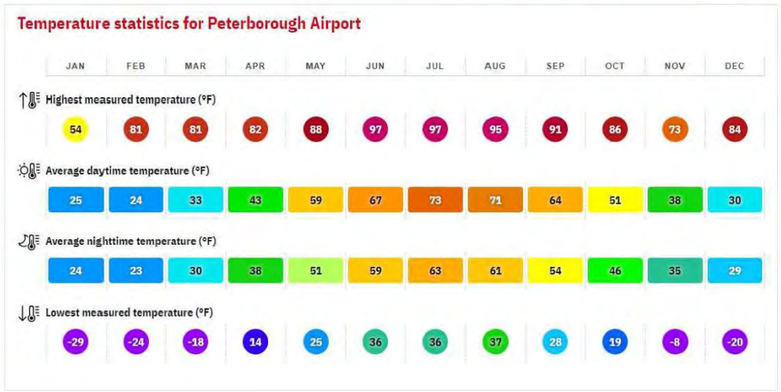


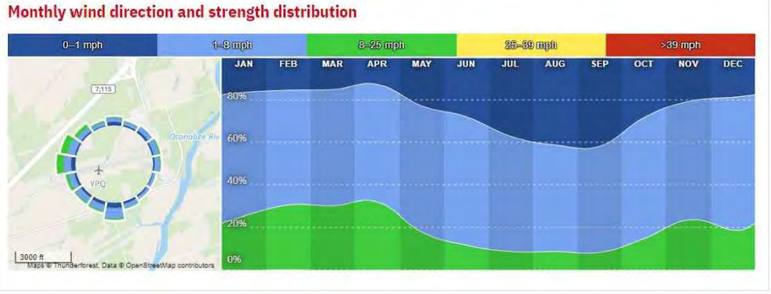












TRENT UNIVERSITY

SUN EXPOSURE, TEMPERATURE, AND WIND STATISTICS

Note:
Sun exposure statistics retrieved from SunCalc on March 13, 2024.
(https://www.suncalc.org/).

Temperature and weather statistics retrieved from Windfinder on March 13, 2024 based on information recorded by Peterborough Airport.
(https://www.windfinder.com/windstatistics/peterborough_airport).

Cultural Heritage

The site is currently used primarily for farming field-grown crops. Long-time resident farmers inhabit the existing buildings on the site. Existing buildings consist of a 2-storey brick house, 2 sheds and a large barn. Condition of the house will need to be evaluated at some point in the future when the current tenants no longer reside in the house. The sheds and barn will also need evaluation for future use. The existing vehicular gravel lane-way access to the house is from Pioneer Road at the north-west corner of the site.

***Site Implications*:** If the house is in suitable condition to be repurposed for Trent's farm activities, it could be the residence for a farm manager, and support indoor programmes, facilities and storage. There is power to the buildings, and a water-well in the barn. The water will need to be tested for quality and quantity before determining if it is a viable well or otherwise. The barn is visibly deteriorating, and has been structurally supported within, by newer posts and beams. If it is demolished, or rebuilt it may have potential to evolve into a special feature and function within the new farm layout. The barn site is valuable in its position at the crest of a south-facing slope, and as such has sun access, good air circulation and excellent panoramic views of the adjacent fields.

The current farm laneway provides access for Trent personnel to the existing weather station. Since the weather station location is considered permanent, this access should be maintained. The current laneway, in combination with the existing parking lot access from Pioneer Road, could form the basis of an efficient vehicular loop in the new farm layout.

Highway Reserve

> *'…. The Ministry of Transportation has placed a reserve on the Symons Campus lands, along 9th Line, for the future expansion of Hwy 115 along 9th Line. Unless the reserve is removed by the Ministry, Trent University is limited in the use of these corridor lands. Proposals or construction on or near a provincial highway or reserve are reviewed by the Ministry may need a permit to ensure they follow the policy rules and guidelines of the Public Transportation and Highway Improvement Act. The removal or realignment of the highway reserve would trigger an update to the TLNAP.'*
>
> *(TLNAP, 2021, page 212)*

***Site Implications*:** Since the timing of the 9th Line road expansion is not known, including the configuration of the road allowance and related features, the highway corridor should be held in reserve without built development. Any permanent new conditions adjacent to the corridor should be outside a buffer to the corridor so as to ensure new conditions are not destroyed by highway construction in future.

East Gate

The TLNAP identifies the intersection of Pioneer Road and Douro 9th Line as the 3rd of 5 gateways to the campus. It is the East Gate, known as 'Waaabnoon' and 'Body'.

> *The eastern entrance celebrates water-focused research and innovation, and regenerative agriculture to nourish the body with food.*
>
> *(TLNAP, 2021, page. 137)*

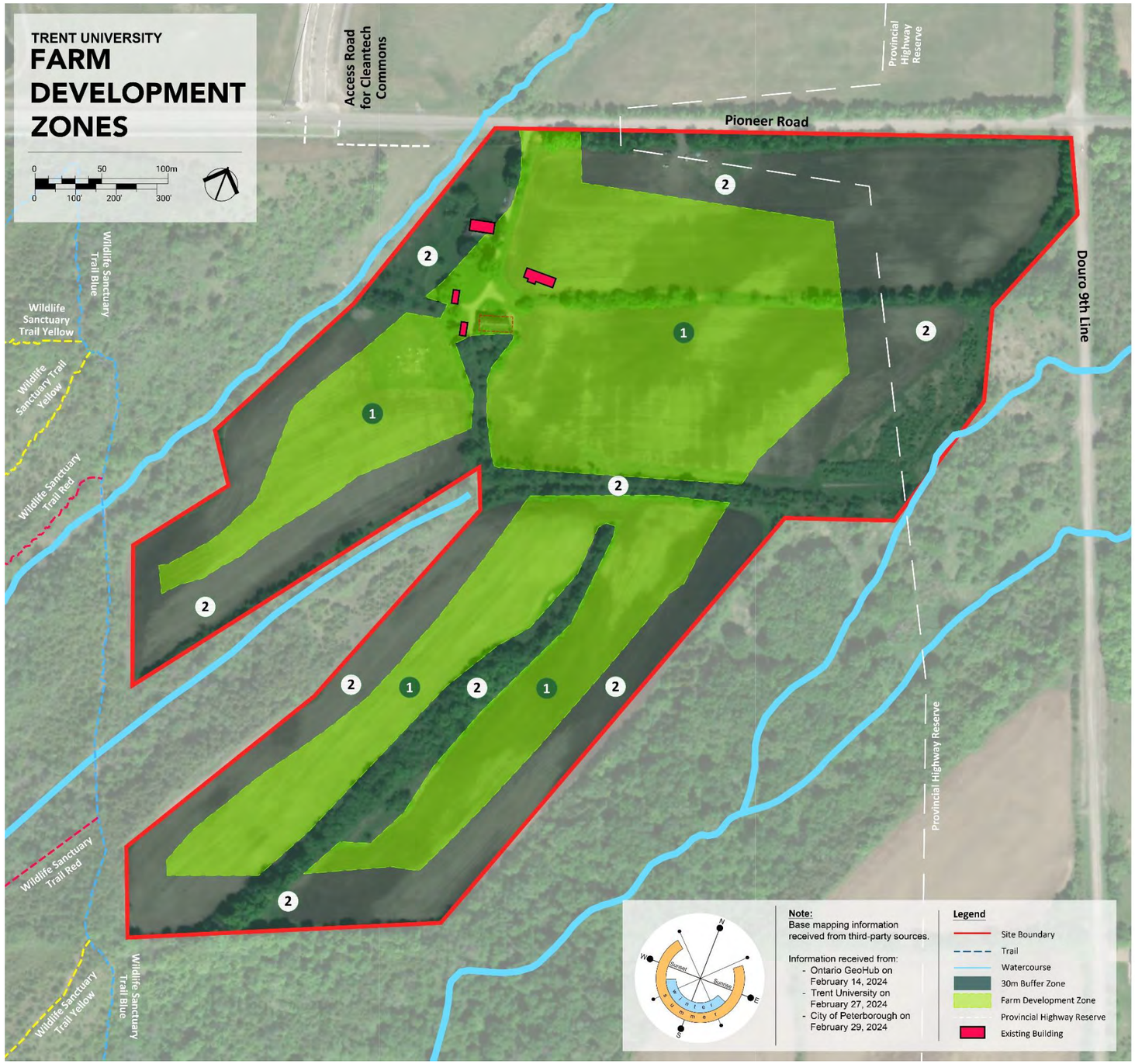
***Site Implications*:** Consideration of the location of gateway signage, in combination with the possible expansion of Douro 9th Line, can be done in concert with this planning initiative. Development of the signage feature is outside the scope of this project. Possible extension of the new streetscape treatment of Pioneer Road across the frontage of the farm site should also be taken into consideration.

Summary of Findings

Taking the preceding findings into account, a Farm Development Zone sketch was prepared to define potential development types within the site.

Here a 30 metre buffer is applied to the Provincially Significant Wetland area, the significant woodland area, and the unevaluated wetland. The same setback is applied to the assumed road widening of Pioneer Road, and the MTO highway reserve line. Also added to the buffer areas are the existing hedgerows, as they are assumed to remain (and be improved) as an important ecological function within the farm and overall UGN. These are the non-buildable zones where infrastructure and buildings should not occur, but low-intensity agricultural activities with minimal soil disturbance are acceptable. Assigning a generalized 30m. buffer provides a quick visual grasp of 'buildable' versus 'non-buildable' zones. In some cases the buffer or setback may be slightly different and this can be refined with next steps.

The remaining lands adjacent to the buffers and setbacks are 'buildable' areas where farm servicing, infrastructure, buildings and parking can take place. Obvious efficiencies exist if services extensions are kept as short as possible. But it remains to be seen the extent to which traditional services will be required at this particular sustainable, regenerative project. A spatial gradation of highly active farm areas to more passive farm areas is incorporated into the farm master plan. Next steps in site planning and design consider the a) size, b) location, c) configuration and d) relationship of all key elements of the farm. This will likely lead to a concentration of new buildings and services in the north part of the site, with more passive areas to the south. The community engagement process has identified key activities and facilities envisioned on the farm, that have informed the components of the master plan.



Plan Notes

1. **Farm Development Zones**
   - Buildable zone for farm buildings and support structures
   - High, medium, or low intensity agriculture and activities

2. **Buffer Zones**
   - 30 metre buffer from wetlands and woodlands
   - 30 metre setback from road widening boundaries
   - Extent of existing hedgerows
   - Low intensity agricultural zone

Engagement Session 1 Summary

Engagement Session Process

Trent University, in collaboration with Basterfield and Associates and the project team, held an invitational engagement session on Trent Campus on April 3, 2024, from 1-4pm. This meeting included emailed invitations to stakeholder organizations, a presentation by the project team to provide an overview of the project background, goals, and site description, printed copies of analysis mapping completed to date, workshop booklet exercises to be completed by the attendees, and summary matrices prepared by Basterfield and Associates following each workshop exercise.

Who We Engaged

In accordance with the TLNAP, we engaged two audiences. Members of various groups at Trent University and stakeholders outside the university from several farming-related sectors.

Trent University

The first audience the engagement session focused on were faculty, staff, and user groups from Trent University. This included representatives who were familiar with the project site itself and those who were not familiar. These representatives included affiliations with:

- The School of the Environment
- Department of Biology
- Chanie Wenjack School of Indigenous Studies
- Sustainable Agriculture and Food Systems
- Research and Innovation
- Farm Operations
- Campus Planner
- Land Stewardship
- Community and External Relations
- Sustainability
- Facility Services
- Trent Vegetable Gardens
- Society for Ecological Restoration
- Trent Apiary

Stakeholders

The second audience were stakeholders that represented a broad group of organizations both local to the Peterborough area and Provincial organizations. These representatives included affiliations with:

- Peterborough Agricultural Society
- Ecological Farmers Association of Ontario
- Ontario Ministry of Agriculture, Food and Rural Affairs
- Ontario Federation of Agriculture
- Ecology Park
- Lakefield College School
- Camp Kawartha
- Ontario Soil and Crop Improvement Association
- Farms at Work
- Local Residents

How We Engaged

Trent University prepared a list of invitees which reflected the engagement process guidelines as identified through the TLNAP. A total of 40 individuals were invited with a mix of both Trent University and external representatives. Invitations were sent through email to the stakeholders with Trent University receiving 26 affirmative RSVPs. Basterfield and Associates were forwarded the final RSVP list and created a seating chart to ensure a mix of representation at each table at the engagement workshop.

During the engagement session, 25 of the confirmed attendees were present, along with 2 additional participants who arrived in association with groups who were invited but did not RSVP.

Final Seating Chart of Representatives at Engagement Session #1

Table 1 – 4 Representatives	Table 2 – 5 Representatives	Table 3 – 7 Representatives
• School of the Environment	• Department of Biology	• School of the Environment
• Land Stewardship	• Research and Innovation	• Community and External Relations
• Peterborough Agricultural Society	• Trent Vegetable Gardens	• Farm Operations
• Ontario Soil and Crop Improvement Society	• Society for Ecological Restoration	• Trent Apiary
• Sustainable Agriculture and Food Systems* *(did not attend)*	• Ontario Ministry of Agriculture, Food and Rural Affairs	• Ontario Ministry of Agriculture, Food and Rural Affairs
		• Farmstead Family Representatives (2)

Table 4 – 6 Representatives	Table 5 – 5 Representatives
• School of the Environment	• School of the Environment
• Sustainability	• Development
• Society for Ecological Restoration	• Trent Vegetable Gardens
• Ontario Soil and Crop Improvement Society	• Ecology Park
• Ecology Park	• Camp Kawartha
• Peterborough Agricultural Society	

Legend	Trent University Faculty	Trent University Staff	Trent University Groups	External Groups

What We Heard

The following pages summarize the comments written in the workshop booklets by each table throughout the engagement session and identify comments on which there was concesus among the groups.

Exercise 1: Research / Education Activities at the Farm

We asked: What research and education activities would you like to see at the farm? Consider the big picture. Look at what research and education activities could be hosted at the farm, providing direction for the design team.

Workshop Booklet Comments

Table 1	Table 2	Table 3	Table 4	Table 5
• Research that helps the local community; serves the community • Community meeting space / space for agricultural shows (ex. equipment and livestock) • Student incubator plots • Long-term cash crops or BMPs • Research alternative crops, native grasses • Demonstration farm; tours, high school, elementary • Education centre for community members • Research gardens for students • Indigenous priorities; tobacco plot, smoke shack (input from Barbara Wall) • Note: not possible to dictate professors' research themes as they are dictated by funding received (including the Canadian government, funding calls)	• Water management in agricultural irrigation; tile drains • Pasture/livestock management; regenerative agriculture • Plot trials (varieties, treatments, etc.) • Other non-agricultural: moving soils from other areas from trials; less driving/outdoor staging area • Tree nursery opportunities and seed collection and savings • Restoration of wetlands, forested areas • 'Low level' lab and support infrastructure (benches, mixing area) • Greenhouse opportunities (3 season) • Washrooms • Space for future use/opportunities • Refrigerated areas/seed preservation • Classroom space • Look at multiple uses • Arboretum; possible integrated into nature areas • Micro-sensor opportunities; moisture, temperature, solar radiation • Area for both organic and conventional agricultural, and everything in between • Drive sheds, storage, etc.	• Climate and weather monitoring (data analysis and technology) • Soil science – health, structure and characteristics, soil sampling • Nutrient management • Pest and invasive species management – west nile, possums • Animal-human health interactions ('one health'); i.e. Coyote-human interaction, earth moving and development impact on wildlife • Impact of people on wildlife • Including biological 'extension research' – testing, standards, impact on natural areas (because it's high-risk for farmers to do this) • Applied research suited to local needs	• Seed nursery • Greenhouse • Teaching opportunities • MSc/PhD research opportunities (perma-culture, buffer zones, ecology) • Tile drainage research • Day camps • Professional certifications • Living labs for classes already offered on campus • Restoration • Connect with Peterborough GreenUP • Link to Greening the Campus, restoration certification for seed propagation and growth/horticulture student groups SER-TU, native species	• Create biodiversity and ecological benefit (pollinator gardens, (edible) hedgerows and forests for human and extra-human friends) as teaching spaces/classrooms; ALL space can be teaching and demonstration space (for Trent community and farmers) • Innovative practices like aquaculture that are taught to students • Partnerships with other organizations; e.g. Trent Vegetable Gardens, Apiary • Carbon sequestration and ecological research (faculty-led), summer courses for students • Citizen science initiatives • Including students in experimental approaches to the creation of the space itself • Wayfinding and interpretive strategies to make space welcoming to the public and educate in a self-directed way • Arboretum-type functions

Research / Education Activities at the Farm Feedback Matrix

Feedback	Table 1	Table 2	Table 3	Table 4	Table 5
Water / Irrigation / Tile Drainage		●		●	
Pasture Regeneration		●			
Arboretum		●			●
Conventional Agriculture and Organic Agriculture and Everything in Between		●	●	●	●
Lands for Different Uses	●	●			
Small Plot Trials		●		●	
Research Serving Community	●		●	●	
Long-Term Research Plots	●			●	
Demonstration Plots	●				
Incubator Plots – Students	●				
Native Tobacco – Education	●				
Native Grasses		●		●	
Climate / Weather			●	●	
Soil Sampling (Science and health)			●		
Nutrient Management			●		
Pest / Invasive Species Management			●		
Animal / Human interaction			●		
Extension Research		●	●		
Applied Research		●	●		
Support Classes / Living Lab				●	
Professional Certifications				●	
Buffer Zone Research / Impact of Agriculture			●	●	●
Opportunities for Self-Directed Education					●
Hedgerows					●
Aquaculture				●	●
Partnerships with Others				●	●
Student Design Participation					●

Engagement Session #1 in Progress.

Exercise 2: Physical Facilities Needed

We asked: What physical facilities are required to support the research and education activities would you like to see at the farm? A comprehensive look at the physical requirements the farm will need to host various activities.

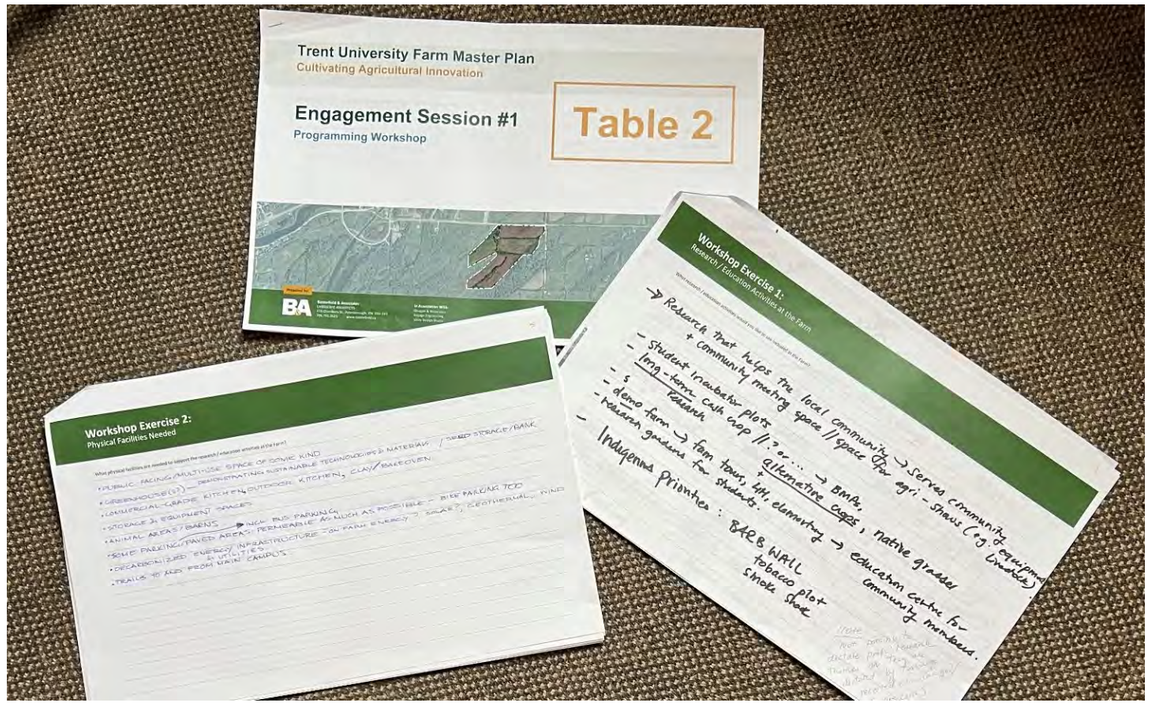
Workshop Booklet Comments

Table 1	Table 2	Table 3	Table 4	Table 5
• Multi-spectrum drone and RTK Station • E-golf carts/Avs with charging stations and parking • Accessible multi-use facility • Safe access for students • Trail signage • Apiary • Toilets • Water and utilities; wells • Tractor and all the planting/harvesting equipment; 25' laneways; storage • Indoor/weather OK meeting space; community meeting space • Commercial kitchen; smoke shack, butchery (input from Barbara Wall) • Farm store/market stall to sell produce • Root cellar • Bicycle parking • Native tobacco planting • Controlled drainage • Biosecurity; handwash / foot station • AD biodigester and compost yard and incinerator • Community meeting space • Barn	• Commercial food prep area • Trail extension along Pioneer Road • Parking along Pioneer Road in road development • Water catchment area • Hoop houses to extend growing season • Internet access • Waste management plan • Wells?	• Water, electricity, sewer, high-speed internet; 'connect to existing services', adequate to meet ultimate (future) needs • Accessibility (AODA) • Respectful integration of homestead • Barn; animals, education, demonstration • Washrooms to accommodate greater public (children, 4H) • Designated pathways (recreation, cattle, moving between areas/buildings) • Fencing • Community and outdoor kitchen	• Greenhouse • Seed nursery • Building; multi-function/office, classroom, wet lab • Bathroom/shower • Water/irrigation/TD reuse/recycling of water • Rain harvesting • Barn/drive shed/coverall/livestock shed • Multipurpose tractor (planter/harvester) • Mower/ATV • Formalized and signed trails/TD outlets as well • Parking/drive paths • Building off of existing facilities; i.e. soil lab, nutrient analysis • Event facility, lectures, community events, 200+ people, 1000 people?	• Public-facing/multi-use space of some kind • Greenhouse(s)?; demonstrating sustainable technologies and materials • Seed storage/bank • Commercial-grade kitchen, outdoor kitchen, clay/bake oven • Storage and equipment spaces • Animal areas/barns • Some parking (including bus parking)/ paved areas; permeable as much as possible; bike parking too • Decarbonized energy and utilities infrastructure; "on farm energy"? Solar? Geothermal? Wind? • Trails to and from main campus

Physical Facilities Needed Feedback Matrix

Feedback	Table 1	Table 2	Table 3	Table 4	Table 5
Prominent Public Use Space	●			●	●
Greenhouse (Permanent and movable)		●		●	●
Seed Bank / Climate Control				●	●
Commercial Kitchen	●	●		●	●
Outdoor and Community Kitchens	●		●		●
Pizza Oven					●
Root Cellar	●				
Storage and Equipment Space	●			●	●
Barn (Animals)	●		●	●	●
Parking (Cars, Bikes, Golf Carts)	●	●		●	●
Trails Connecting to Campus	●	●		●	●
Decarbonized Energy Infrastructure	●				
Washrooms / Showers / Biosecurity (Public)	●	●	●	●	
Water – Irrigation rain barrels and wells	●	●		●	
Net Zero Buildings					●
Large Scale Equipment	●			●	
Interpretive Signs on Trails	●			●	
More Space for Existing Facilities				●	
Connecting to Existing Services				●	
AODA Facilities	●		●		
Respectful Integration of Existing Home			●		
Barn (Multi-Purpose Demonstration)			●	●	
Internal Paths for Livestock			●		●
Fencing			●		
Internet (Wireless)		●	●		
Multi-Use Lab / Classroom				●	
Sidewalk Connection to Pioneer Road		●			
Bus Access					●
Shuttle Service to Main Campus					●

Feedback	Table 1	Table 2	Table 3	Table 4	Table 5
Refrigerated Storage				●	●
Rental	●				
Bulk Material Storage		●			●
Waste Management		●			
Incinerator	●				
Digestor	●				
Compost Yard	●				
Apiary	●				
Smoke Shack	●				
Butchery Facilities	●				
Native Tobacco Planting	●				



Workbooks from Engagement Session #1

Exercise 3: Features Accessible for Public / Community Use

We asked: What features should be accessible for the public and broader community to use at the farm? Are there buildings/areas on the property that should be accessible?

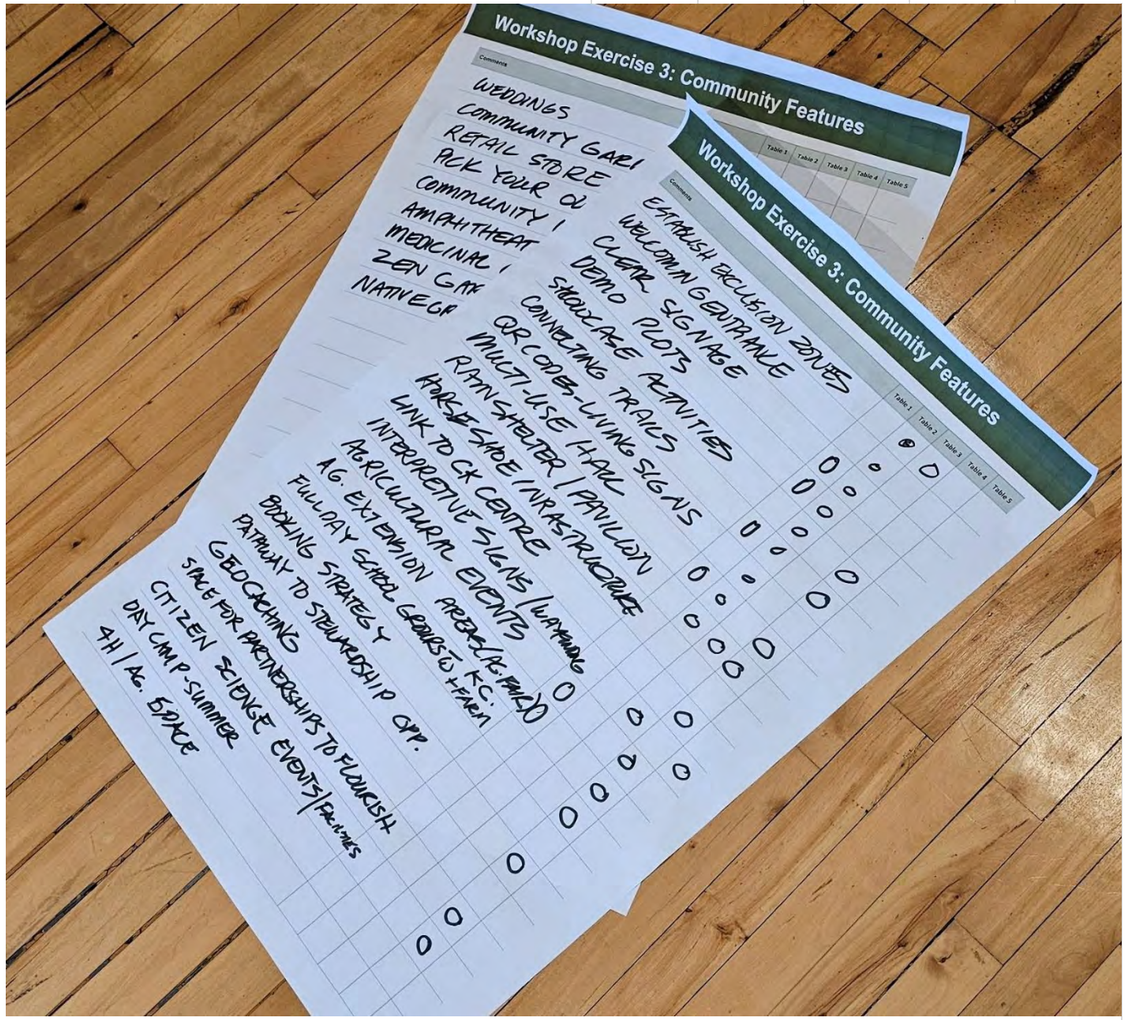
Workshop Booklet Comments

Table 1	Table 2	Table 3	Table 4	Table 5
• Multi-use meeting/show space; trade shows, fairs • Retail store; pick your own, sell/give compost, AD, community food waste drop off • Natural ampitheatre; drumlin hill (outdoor meeting space) • Medicinal garden/community garden plots • "Zen" connect to nature/agricultural space • Demo plots • Native grass and tree seed orchard	• Exclusion zones; fencing, signage, hedges; clear division between community spaces and research, etc.; strategic location of sensitive areas • Welcoming entrance and visible signage • Demonstration plots • Multi-use, opportunities to showcase activities to community • Walking path with educational signage, QR links • Community hall; bookable/rentable • Rain shelter, pavilion, community area	• Horse show infrastructure • Trail riding (horses) • Public education – pathways linkages to Camp Kawartha Trent farm/facilities (research farm) • Knowledge transfer and translation events/space • Interpretive signs/classroom (multi-use) • Space that accommodates agricultural events • Eating/kitchen space; picnic tables • Exclusion area; research and homestead	• Day camps, education; i.e. agricultural, sprouts to snacks (programmes) • School visits; elementary, high school • Nature trails; public • Peterborough Agricultural Society events; livestock • Campus community food hub; Trent Market Garden, food services, roof top season spoon • Wedding/private events • Agricultural/community group fairs? Fundraising (OSCIA, Peterborough GreenUP, Ecology Park, OMAFRA, OFA) • Community gardens; food security, Peterborough capped for space	• Signage/wayfinding • Demonstration sites and opportunities/events, especially for wider farm community (e.g. agricultural extension); include fairs, etc., some 'open' space • Enough activities (between farm and Camp Kawartha) to make a full day visit worthwhile (bus costs) • Coordination and booking strategy and capacity • Pathways to stewardship and kinship landmark opportunities, school grounds • Nourish; processing and purchasing workshops, Trent Vegetable Garden collaborations • Citizen science opportunities (built-in place, also events)

Features Accessible for Public / Community Use Feedback Matrix

Feedback	Table 1	Table 2	Table 3	Table 4	Table 5
Establish Exclusion Zones		●	●		
Welcoming Entrance		●			
Clear Signage	●	●			
Demonstration Plots	●	●			
Showcase Activities		●		●	
Connecting Trails	●	●		●	
QR Codes (Living Signs)		●			
Multi-Use Hall	●	●		●	
Rain Shelter / Pavilion		●	●	●	
Horse Show Infrastructure			●		
Link to Camp Kawartha Centre			●	●	
Interpretive Signs / Wayfinding			●		●
Agricultural Events	●		●	●	●
Agricultural Extension Areas (Agricultural Fair)	●		●	●	●
Full Day School Groups with Camp Kawartha			●	●	●
Booking Strategy					●
Pathway to Stewardship Opportunity				●	●
Geocaching					●
Space for Partnerships to Flourish				●	
Citizen Science Events/Facilities				●	●
Day Camp (Summer)			●	●	
4H / Agricultural Space				●	
Weddings				●	
Community Gardens				●	
Retail Store	●			●	●
Pick Your Own	●				
Community Waste Drop	●				
Ampitheatre	●				

Feedback	Table 1	Table 2	Table 3	Table 4	Table 5
Ampitheatre	●				
Medicinal Garden	●				
Zen Garden	●				
Native Grass and Tree Orchard	●				



Workshop Exercise 3 Matrix from Engagement Session #1

Exercise 4: Special Events to be Supported on Site

We asked: What special events would you like to see considered to be supported at the farm? They can be events that include but are not necessarily limited to Trent University, industry, or the community.

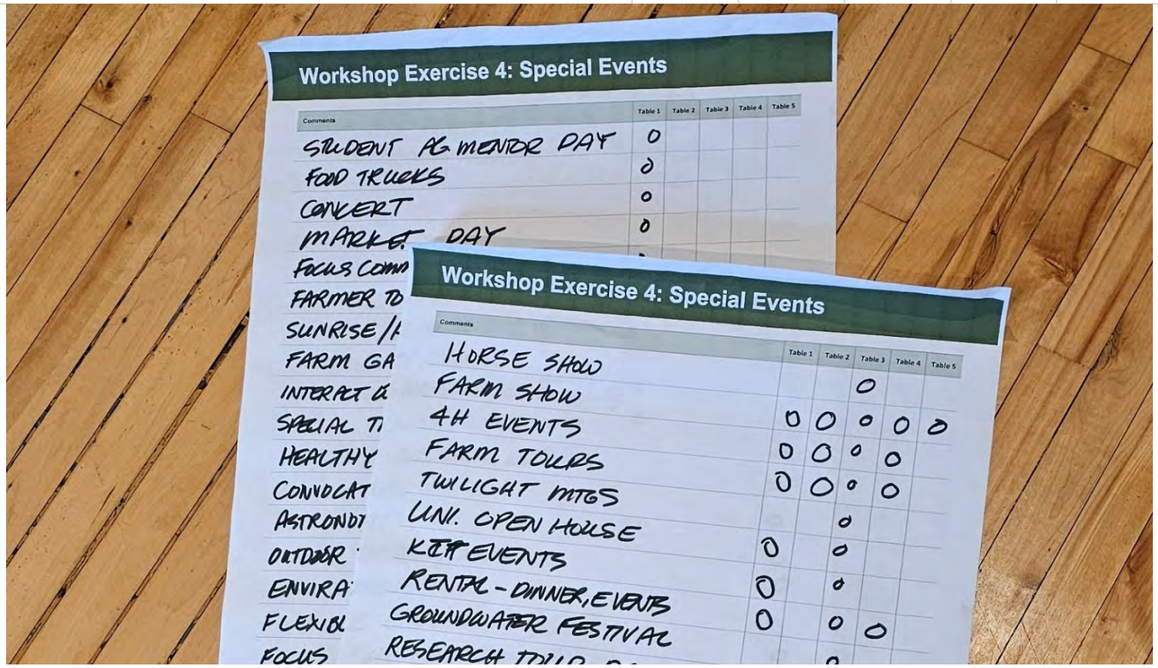
Workshop Booklet Comments

Table 1	Table 2	Table 3	Table 4	Table 5
• Demo/outreach KTT (knowledge technology transfer) events; Trent led and/or OSCIA, EFAO, NFU, 4H, junior farmers, etc. • "Student-agricultural industry" day; agricultural mentor day • One or multi-day fairs • Food truck day and music festivals • Market day • Focused community access; e.g. 1 day/week • Farmer-to-farmer learning days; e.g. morning conference and afternoon master class, "how to" interact complete with nature areas events and food preservation/cooking workshops • Sunrise and harvest ceremonies; i.e. First Nation • Dinners – harvest table • Specialized training weeks; e.g. past management/owners, etc.	• Farming community/ showcase/research showcase • Livestock shows • Hay and forage day; OSCIA • 4H • Harvest/farm-to-table dinners • Events that align with existing activities; HOTT • Seed saving community education • Weather station	• Horse shows • Agricultural events, farm show • 4H events/meetings • Farm tours • Twilight meetings • University Open House • KTT events • Rental space (dinners, weddings, events) • Groundwater festival (or similar type events) • Research tour day/open house	• Take into consideration existing infrastructure and not repeating • Weddings/large scale corporate events • Agricultural related events; plot days, harvest dinners, fundraisers, fairs, livestock shows, education events for all ages, OMAFRA, OFA, 4H, agricultural product events, partnerships with community entities, agricultural product suppliers • Envirothon; environmental events, climate change event, • Workshops; food production (home/industrial scale), farm-to-plate dinners, farms at work, long-term consistent events (i.e. day camps) • Professional certifications • Condensed courses, 2-6 weeks, micro-credentials • School visits, OMAFRA, OFA and OSCIA programmes (i.e. compaction day) • First Nations events, land ceremonies/historical • Industry demo days • Trent events; green your campus, equestrian club, SAFS, GEOG, ENVIRO, KWIK • Farmers markets, pop-up markets, homestead learning opportunities	• Farm equipment shows, agricultural technology demonstrations • Health cooking demonstrations and training • Seed collection events with community partners and Trent student groups • Some to be determined by community • Don't reproduce functions of nearby institutions (e.g. Camp Kawartha hosting/renting space); being mindful not to duplicate roles of other organizations • Convocation/orientation • Astronomy • Outdoor theatre/folk festivals/music • Envirothon

Special Events to be Supported on Site Feedback Matrix

Feedback	Table 1	Table 2	Table 3	Table 4	Table 5
Horse Show			●		
Farm Show	●	●	●	●	●
4H Events	●	●	●	●	
Farm Tours	●	●	●	●	
Twilight Meetings			●		
University Open House	●		●	●	
KTT Events	●		●		
Rentals (Dinner, Events)	●		●	●	
Groundwater Festival			●		
Research Tour Day	●		●	●	
Large Group Events	●	●	●		
Sales			●		
AGM / Monthly				●	
Professional Certification for Industry				●	
Condensed Courses				●	
School Visits	●			●	
Industry Events (Compaction Day)	●				●
Livestock Shows		●			
Harvest Dinners	●	●			
Head of Trent (Events that Align)		●	●		
Seed Saving / Sharing		●			●
Weather Station		●			
Student Agricultural Mentor Day	●				
Food Trucks	●				
Concerts	●				
Market Day	●				
Focus Community Areas	●				
Farmer-to-Farmer Education	●			●	
Sunrise / Harvest Ceremonies	●			●	

Feedback	Table 1	Table 2	Table 3	Table 4	Table 5
Interact with Nature Areas (General Knowledge)	●				
Special Training Sessions	●			●	
Healthy Cooking Events	●				●
Convocation				●	●
Astronomy					●
Outdoor Theatre / Music	●				●
Envirothon				●	●
Flexible Community Events	●				●
Focus Choices for Events	●				●
Orientation Events	●				●
Micro-Courses	●			●	●
Farm Gate Tours	●				



Workshop Exercise 4 Matrix from Engagement Session #1

Exercise 5: Revenue-Generating Activities / Facilities

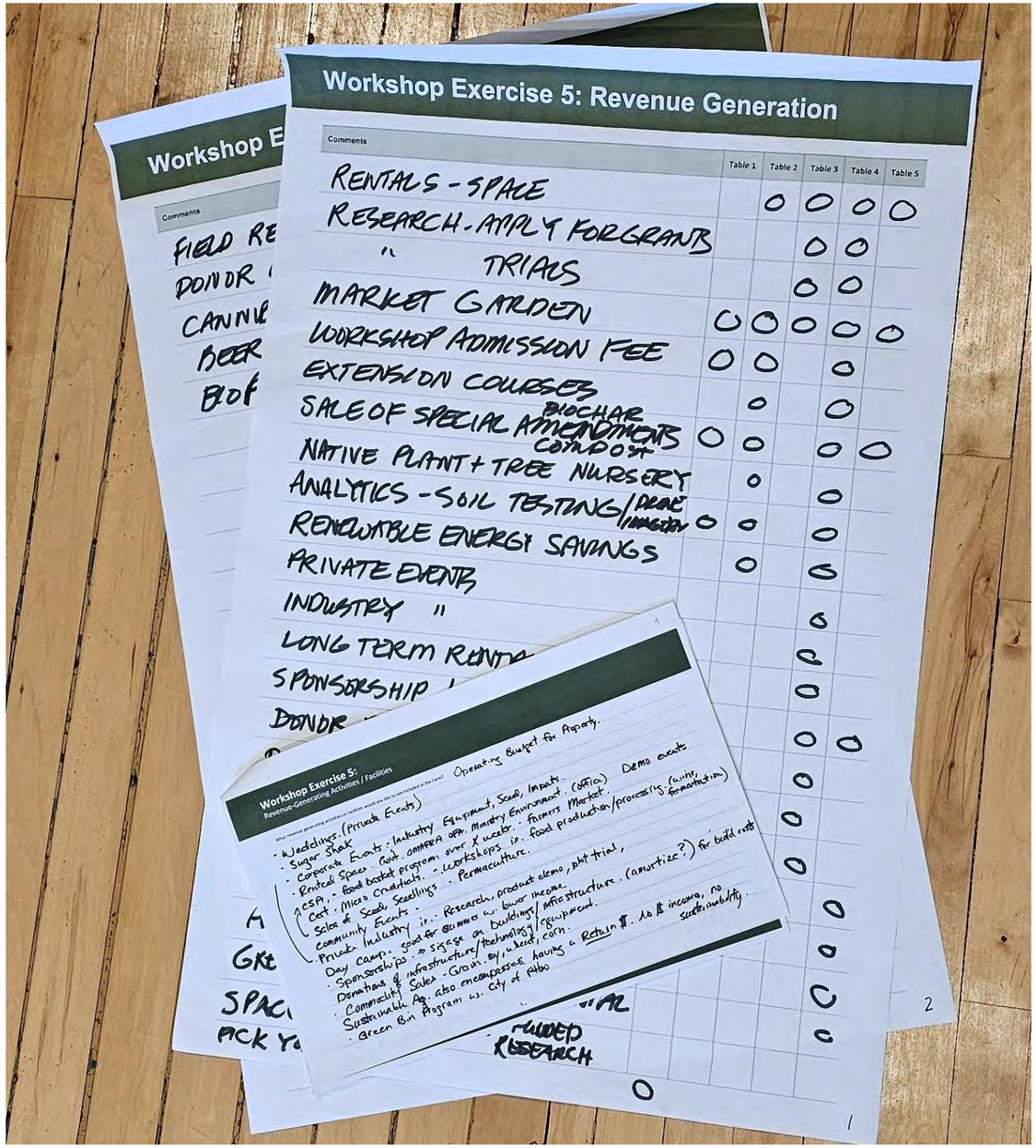
We asked: What activities at the farm do you see as revenue-generating opportunities? They can be events that include but are not necessarily limited to Trent University, industry, or the community.

Workshop Booklet Comments

Table 1	Table 2	Table 3	Table 4	Table 5
• Pick-your-own • Compost • Market garden • Services; e.g. Drone imagery, soil testing, etc. • Corporate funding/alumni; donor endowment fund • Research funding offset/contributions; put percent into an endowment fund • Workshops; e.g. Fee – put percent into an endowment fund • Cannabis • Beer • BioPharma • Fees for photographers	• Small retail area/opportunities • Family rentals; hall/gazebo; farmhouse • Native plant nursery (trees too) • Vegetation /produce sales • Workshops/farming techniques • Teaching outreach • Specialized amendment (e.g. biochar, composts) • Analytics (soil testing) • Save money (solar/wind)	• Rentals (event space) • Research partners; lobbyist, grant applier • Research plot; extension research, research trials • Market garden	• Weddings (private events) • Sugar shack • Corporate events; industry equipment, seed, impacts • Rented space; government, OMAFRA, OFA, Ministry of the Environment, OFFIA, demonstration events • CSA; food basket programme over X weeks farmer's market • Certifications, micro-credentials/workshops; i.e. food production/processing, wine/fermentation • Sales of seeds/seedlings, permaculture • Community events • Private industry; i.e. research, product demonstrations, plot trials, day camps, good for summer with lower income • Sponsorships; signage on buildings/infrastructure (amortize?) for building costs • Donations of infrastructure/technology/equipment • Commodity sales; grain, soy, wheat, corn • Sustainable agriculture also encompasses having a return; no income, no sustainability • Green bin programme with City of Peterborough • Operating budget for property	• Micro-credentials • Café; Seasoned Spoon 2.0? • Farmstand • Multi-use space rental • Greenhouse bench rental/nursery area/plot rentals (or a cost-sharing approach) • Apiary; producing honey • Funded research • Sponsorships from agricultural companies • Compost activities; specifically receiving waste materials from local businesses? (There was productive discussion on this, but not necessarily consensus on whether it's practicable)

Revenue-Generating Activities / Facilities Feedback Matrix

Feedback	Table 1	Table 2	Table 3	Table 4	Table 5
Rentals (Space)		●	●	●	●
Research (Apply for Grants)	●		●	●	●
Research Trials			●	●	
Market Garden	●	●	●	●	●
Workshop Admission Fee	●	●		●	
Extension Courses	●			●	
Sale of Special Amendments (Biochar, Compost)	●	●		●	●
Native Plant and Tree Nursery		●		●	
Analytics (Soil Testing, Drone Imagery)	●	●		●	
Renewable Energy Savings		●		●	
Private Events		●		●	
Industry Events				●	
Long-Term Rentals				●	
Sponsorships / Donations	●		●	●	●
Donor Recognition				●	
Day Camps				●	
Sugar Shack				●	
Micro-Credentials	●			●	●
Café					●
Apiary					●
Greenhouse Bench / Plot Rentals			●		●
Space of Realistically Funded Research				●	
Pick-Your-Own	●				
Field Research Funding	●				
Donor Endowment Fund	●				
Cannabis	●				
Beer	●				
BioPharma	●				



Workshop Exercise 5 Matrix and Workbook from Engagement Session #1

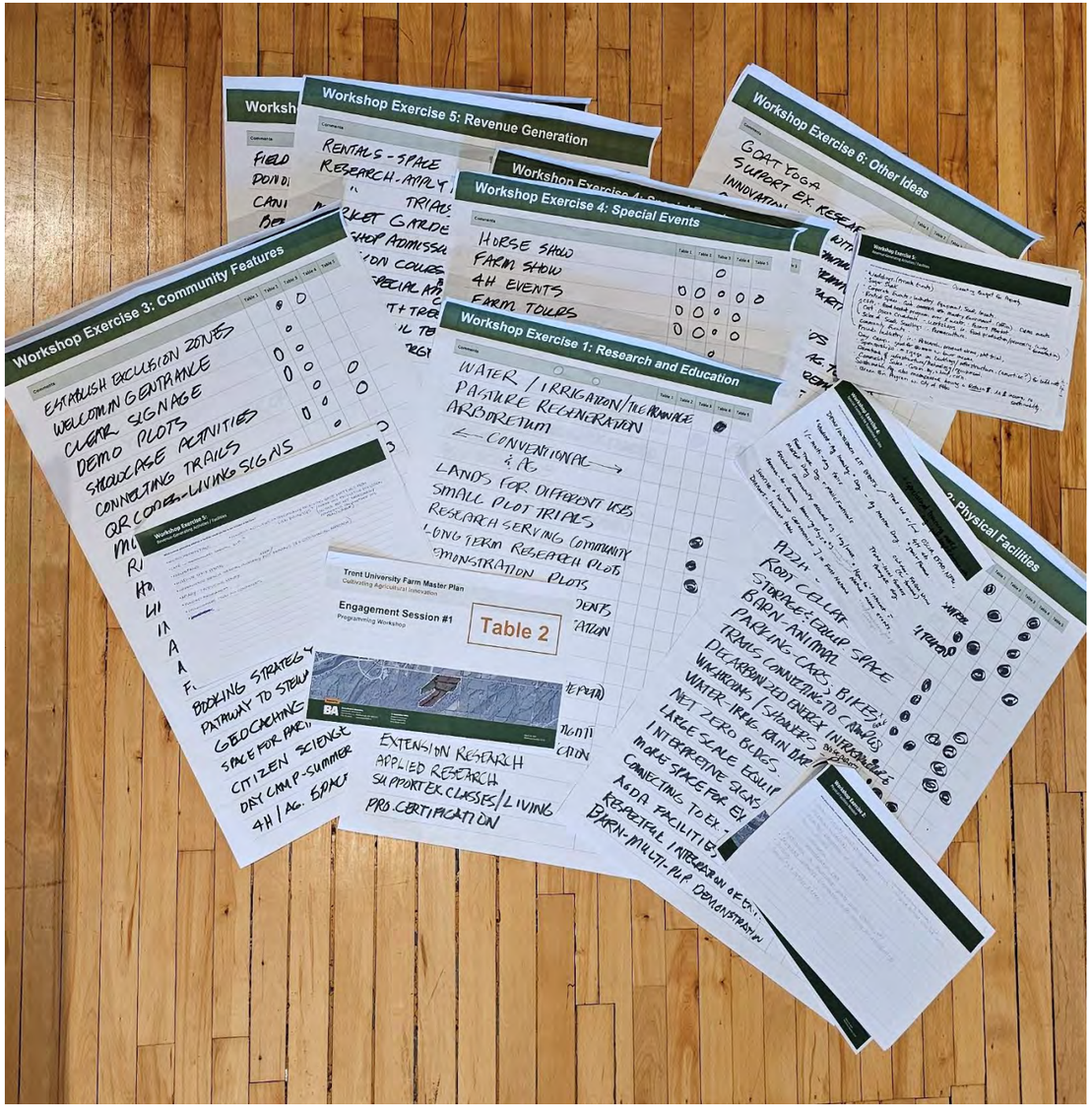
Exercise 6: Other Items Not Considered

We asked: Are there any items that we did not include as part of this workshop that should be included?

Workshop Booklet Comments

Table 1	Table 2	Table 3	Table 4	Table 5
• Photography and 'visual history' and Dataverse; data collection, open source to public • Chicken tractors etc. • Full circle production • Note #1 should have been last perhaps to get more practice first	• No comments provided.	• Innovation from within – research suggested by students, responding to emerging issues	• Goat yoga; goats great for ground clean-up and agricultural preparation • Can this encompass policy/government agriculture? Can it influence policy and industry? • Incorporating INDUSTRY needs prior to implementation; LONG TERM use and development; invest now for good long-term use • Key holders? Use of/access to property by campus/Trent/community/public • How can we address community issues with this property? Food security? • No education post-secondary east of Peterborough in Ontario (University potential/programme potential) • Purple Onion Fest, Hootenany on Hunter (existing community events) • Make things appealing to public; don't scare them/overwhelm them; basic draw for/from them • $ associated with upkeep, running the facility, staffing; what can be amortized? • Space for 12-500 people from informal to informal; indoor to outdoor space (transitional) • Permanent and semi-permanent fencing • Consider historical, First Nations, ecological, biological, BA food policy and security • Existing community and private infrastructure and programming overlap? Where are there gaps to be filled? • Flow and functionality • Landuse and coming • Ideal land use	• Bus parking • Volunteerism? Management of volunteers?

Other Items Not Considered Feedback Matrix					
Feedback	**Table 1**	**Table 2**	**Table 3**	**Table 4**	**Table 5**
Goat Yoga		●		●	
Support Existing Research				●	
Innovation from Within			●	●	
Outreach to Community				●	●
Education About Farming				●	
Strengthen Community Partnerships				●	●
Fungus Shed	●				
Small Animal (Kids)			●		
Check Liability for Agricultural Tourism	●				
Check Security Requirements	●				
Embrace Agricultural Heritage	●				



Workshop Matrices and Workbooks from Engagement Session #1.

Post-Engagement Comments

- Ecological restoration research for management of existing fields ie.: prairie grass restoration trials (different grasses and densities)
- Monitor/research soils improvements in ecological restoration areas
- Monitor/research hydrological and water science in areas of ecological restoration (measuring evapotranspiriation and soil moisture, hydraulic conductivity across different plant types/densities etc.)
- Explore teaching opportunities associated with above, especially those connected to Trent School of the Environment
- Designate research plots for honours students and grad students; set up for long-term observation and monitoring
- Utilize the 2 smaller satellite farm properties (portions of, or all as may be needed) for establishing tree planting which is compensation for cutting trees in other Nature Areas on campus; tree planting could be set up as research project with zones for conifers, hardwoods, mixed forest etc.; this could be forest research site and would provide many research opportunities (microclimatology, carbon storage, root distribution, biodiversity) etc.

Engagement Session 2 Summary

Second Engagement Session Process

Trent University, in collaboration with Basterfield and Associates and the project team, held an in-person engagement with the Advisory Committee on Trent Campus on May 30, 2024, from 1-4pm. This meeting included emailed invitations to the Advisory Committee, a presentation by the project team to provide an overview of the preliminary recommendations and preliminary conceptual site plan completed to date, workshop booklet exercises to be completed by the attendees, and summary matrices prepared by Basterfield and Associates following each workshop exercise.

Who We Engaged

In accordance with the TLNAP, we engaged Trent faculty staff, and user groups for this session. These representatives included affiliations with:

- Campus Planner
- Campus Planning and Development
- Facilities Management
- Facility Services
- Farm Operations
- Lands Stewardship
- Research and Innovation, Incoming President
- School of the Environment
- Sustainability
- Sustainable Agriculture and Food Systems Programme

How We Engaged

A total of 15 individuals were invited through email. During the engagement session, 12 of the confirmed attendees were present.

Final Seating Chart of Representatives at Engagement Session #2

Table 1 – 4 Representatives	Table 2 – 4 Representatives	Table 3 – 4 Representatives
• Campus Planning and Development	• Lands Stewardship	• Land Stewardship
• Sustainability	• Facilities Management	• Farm Operations
• Facility Services	• School of the Environment	• Sustainable Agriculture and Food Systems Programme
• Research and Innovation, Incoming President	• School of the Environment	• Campus Planner

Legend	Trent University Faculty	Trent University Staff

What We Heard

The following pages summarize the comments written in the workshop booklets by each table throughout the engagement session and identify comments on which there was concesus among the groups.

Workshop Maps and Workbooks from Engagement Session #2

Question 1: What do you like most about the conceptual plan?

Workshop Booklet Comments

Table 1	Table 2	Table 3
• The bees • Field 1 – trail location for animating • Wildlife Corridor • Connection to existing trails • Field 3 – restricted. 1) Protect weather station, 2) great location for research • Bridge idea!! – Perhaps a raised boardwalk between #1 and #4 • Orchard – apples please instead of coniferous hedgerows	• Wildlife corridor • Designated thought-out areas (concept is right, placement needs work) • Walkway • Allowing Boltons to continue to live on site	• Field 1 as events/community • Incorporation of wildlife corridor • Maintenance of hedgerows • Orchard • Structured entryway and showcase piece as set • Pedestrian access at Pioneer Road

Question 1 Matrix

Feedback	Table 1	Table 2	Table 3
Bees	●		
Location of field 1 - animation of the farm	●	●	●
Wildlife corridor	●	●	●
Connections to ex. Trails	●		
Field 3 Restrictions - protect weather station and research	●		
Bridge!!!!!!!	●		
Wetland/watercourse through 1-4; put a boardwalk connection?	●		
Orchard - Apples please!	●		●
Designated areas			●
Walkway through site (#18 - like the theory but not location)			●
Structured entrance feature and view corridor			●
Orchard - replace hedgerows near hub			●
Like pedestrian access			●

Workshop Map Markup by Table 2 Participants from Engagement Session #2

Question 2: What do you like least about the conceptual site plan?

Workshop Booklet Comments

Table 1	Table 2	Table 3
• Parking lot is WAY too big; waste of good farmland – 20 spaces more appropriate. Parking can be added to plots 2 and 3 down at the corner by the ball diamond (satellite sites) • Coniferous hedgerows – orchard instead • #17 towards field 1 is not a good use of quality soil – make field one whole field • Ampitheatre area should be at the corner • Do not house livestock on site	• Animal provisional location • Proposed locations of permanent structures/roads • Adding trail access • Parking too large • Orchard instead of coniferous hedgerow • Cannot have road crossing wild life corridor	• Existing driveway; not good entrance (very poor sightlines) but need 2nd exit for E.S.; require gates at entrances • Field 3, 5, and 6 – no road needed; do we want programming to allow this? • No trail access at Southwest because of research ; or only for ground crew access • Move #18 walkway up along amphitheater hedgerow • Keep existing hedgerow identified for removal – currently has high insect diversity • Have 1 access road to field 4 and 6 • Road through wildlife corridor

Question 2 Matrix			
Feedback	**Table 1**	**Table 2**	**Table 3**
Parking lot is way too big; taking up too much of field 1; additional parking could be distributed (20 spaces in main)	●	●	
Hedgerow species (coniferous visual barrier is not liked; maybe use deciduous species instead)	●	●	
Round about in field 1; too much road taking up good land	●		
Ampitheatre location; could be moved to the other parcels	●		
Livestock; maybe on other parcels	●	●	
Permanent structures and roads to be relocated; tile plot research at paddock and works yard		●	●
Roadway through corridor reduced to one to reduce impact and discourage public vehicles parking		●	●
Limit activity; Move all activity to one area to reduce activity into the property		●	
Don't like adding trail access from adjacent trails to farm fields; encourages people to enter property; restricted access for maintenance		●	●
Weather station can't have built infrastructure around it; impedes study results		●	●
No trees in field 3 (tile drainage)			●
Pedestrian access through field 2 needs to move; impacts tile drainage			●
Removal of hedgerow; supports a lot of wildlife (insects)			●

Question 3: Is there anything about the conceptual site plan that you cannot live with?

Workshop Booklet Comments		
Table 1	**Table 2**	**Table 3**
• Covering field 1 with parking and road • Animals should be on plot 3 on corner by the ball diamond (satellite site) • Can't live with hedgerow as cedar	• Tile drainage concerns; more space needed • Gravel roads unnecessary past parking lot • Location of roads and pathway through tile drainage • Road too close to environmental weather station • Size of buildings on field 3 impacting weather station • Limit impact on provincially significant wetlands • Focus educational buildings, parking, community events on front (north) side	• Field 2 – tiled area; research, no access; comparison required • Access road in field 3

Question 3 Matrix			
Feedback	**Table 1**	**Table 2**	**Table 3**
Covering field 1 with built infrastructure	●		
Animals on this site (move to satellite sites)	●		
Dense hedgerow (use something productive and native, less formal)	●		
Divide or infrastructure on field 2 (tile drainage)		●	●
Gravel roads past parking lot		●	
Road into weather station (no roads in field 3)		●	●
limit impact on PSW with no built infrastructure		●	

Question 4: Is there anything about the conceptual site plan that we may have missed?

Workshop Booklet Comments		
Table 1	**Table 2**	**Table 3**
• Water site management – have we considered existing watercourses?	• Fields 4,5, and 6 very rocky; funding application with Curve Lake for ecological rehabilitation • Provincial wetland – can a bridge cross? • Lookout would be cool but would encourage more community activity (maybe unwanted) • Roadway into field 4 plus trail access would encourage public to park at the farm to access nature trails	• Irrigation/#20; irrigation pond, well locations (irrigation infrastructure?) • "Field-to-table": harvest greenhouse • Social outdoor meeting space; allocate in field 1? • Ideas for succession; eg. Stage 1 – animals? • We have bears! Apiary at top of field 6 may = bear attractant

Question 4 Matrix			
Feedback	**Table 1**	**Table 2**	**Table 3**
How far has water management been looked at?	●		
Potential to have tiled water used for the site and used for ecological restoration		●	
Parking lot could be temporary on fields		●	
Edge plantings to help hold soils			●
Bridge crossing PSW?		●	
How much active transportation will be attracted to the site uses?		●	
Irrigation ponds/water wells/water storage?			●
Farm to table greenhouse?			●
Apiary site may attract bears			●
Set outdoor meeting spaces in primary area (fire pit, ovens, student gathering areas)			●
Area between two roads (farm equipment and homestead driveway) could be utilized by built infrastructure			●

Workshop Map Markup by Table 3 Participants from Engagement Session #2

General Discussion at End of Engagement

Trail Access

- People will walk through the research areas

Tile Drainage

- Can it be moved?
    - Not desirable; soils are just settling and it takes a long time to establish
    - A run potentially can be relocated
- Area of tiled versus non-tile established for comparison?
    - Is there space for any development at all in this area?
- How much area of tile drained field is actually needed?

Buildings

- Move to parking area to reduce impact of development
- Can keep buildings smaller since farm footprint is small
- Existing barn could become a future use?
- Non-permanent structures could move to field 1

Active Recreation

- Could all happen on the satellite sites where the baseball fields are?

Capacity Info

- Trent could funnel what capacity could be held where
    - Very helpful to understand what the programmes would be for the buildings
- B&A and Team will ask questions around the capacity
    - Questions to working group - yes or no on programming elements
    - Be detailed on what the programmes are and potential area requirements
    - Community/public gardens can expand need for spaces

Property Uses

- Main Parcel
    - Plantings and general research
- Second Parcel
    - Residences, labs, events
- Third Parcel
    - Animals, large events (agricultural fairs, shows)

Engagement Session 3 Summary

Third Engagement Session Process

Trent University, in collaboration with Basterfield and Associates and the project team, held an in-person engagement with the Advisory Committee on Trent Campus on January 8, 2025, from 2:15-4:15pm. This meeting included emailed invitations to the Advisory Committee, a presentation by the project team to provide an update on the revised conceptual site plan completed to date, and a discussion period following the presentation.

Who We Engaged

In accordance with the TLNAP, we engaged Trent faculty, staff, and user groups for this session. These representatives included affiliations with:

- Campus Planner
- Campus Planning and Development
- Facilities Management
- Facility Services
- Farm Operations
- Lands Stewardship
- Research and Innovation, Incoming President
- School of the Environment
- Sustainability
- Sustainable Agriculture and Food Systems Programme

How We Engaged

A total of 15 individuals were invited through email. During the engagement session, 12 of the confirmed attendees were present. For this session there were assigned tables for feedback and all participants were encouraged to engage in an open dialogue at the end of the presentation. This allowed for a more comprehensive conversation to happen with all attendees.

What We Heard

The following summarizes the comments and feedback heard during the general discussion after the presentation.

Overall

- Happy?
    - Happier with this iteration
    - Appreciate the re-vision of the property
    - Location of primary hub is nice since Pioneer Road is getting busy; it advertises the farm rather than hiding it
- How will the public react to this plan?
    - Public has not seen a plan yet; we informed the attendees in the previous engagements that we received a lot of information and that we were gathering all the wishes so we could distill the realistic items that could occur on the site
    - Some items that were brought up at the first engagement that do not make sense to be at the main farm property can occur on the satellite sites
    - Will reiterate that the plan is to align with TLNAP and still identify where the farm master plan items that were not included in the plan could be accommodated – they could still be supported somewhere else, but not on this land parcel
    - Add more imagery for precedents to highlight potential directions for the farm features
    - Engagement 1 was good for relationship building, but to meet our current project needs we utilized applicable feasible comments and noted the other items for Trent review

Items the Plan Missed?

- Remove “low-quality” note from north hedgerow; just because it’s not a strong corridor does not mean it isn’t valuable
- Tree nursery?
    - Field 4, 6 - add note that there should be a tree nursery
    - Needs water and potential electric fence - maybe best in field 1
    - Temporary nursery can be moved throughout the site over time
- Label groups on the plan?
    - No - avoid assigning groups to specific fields but identify uses
        i. This is a framework plan and not programmatic
    - Use high-level labels like "student activities" and not "community gardens"
        i. Once you label the plan with a group, the harder it is to change/evolve
        ii. Replace "community gardens" to "market gardens" or "small scale, short-term agriculture/nurseries" and put descriptions of types of activities
        iii. If TVG and TMG are moved to Field 1 they will still feel ownership of the area - if the FMP identifies from the get-go that their space allocation temporary, the future use for field 1 remain flexible
    - Activities than can easily move elsewhere
- Existing homestead driveshed
    - Boltons’ area is to be respected as is for now and will be noted to be 'future use' in report
- Field 1 Development
    - TLNAP intent is that field 1 development is to be infrastructure that supports the farm ONLY
- Tile Drainage
    - The area adjacent to the tile drainage is just as important as the tiled area; plan to be revised to identify expanded area as "tile drainage research area"

Phasing

- Has it been thought about?
    - Priorities from Trent and safety from the barn idea will dictate the phasing
- Costing/donors?
    - The FMP is a "palette of opportunities" from which development can be selected and developed as fundraising opportunities come up

Small Details

- Eco-raster
    - Existing installations are not successful for how they have been installed
    - Use more generic language; ex: change eco-raster to permeable surfacing
- Weather station
    - Expansion previously mentioned is more in terms of adding equipment and not space; plan to be revised to eliminate proposed expansion area
- Blue trail and fence
    - Section of blue trail between water courses will likely be discontinued due to poor quality; note that in the report
    - Fence along the trail could be an intermittent wood fence with signage explaining the sensitivities of the land beyond
- Field 5
    - Break field into 2 areas; easier for people to reference
- Low Quality Hedgerow
    - prefer to lose 'low quality' in description; still has quality for insects or opportunity for bolstering through new plantings/rehabilitation
- Note #7
    - secondary buildings area identified on the plan is right in line with windows on driveshed that provide great views to the farm; new developments should respect the sight lines from the existing driveshed

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Image References

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Page V, 17, and 40 – *Existing Site Hedgerow Between Fields 1 and 2,* September 2023
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Page 2 – *Existing Site Field 2*, September 2023
Page 4 – *Existing Site Entrance Sign*, September 2023
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Page 7 and 55– *Engagement Session #1 Workshop,* April 2024
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Page 51 – *External Catchbasin Diagram,* March 2024
Page 51 – *Internal Catchbasin Diagram,* March 2024

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Page 33 – *Andy Macpherson / Paul Uhlman Architects,* https://loveincorporated.blob.core.windows.net/contentimages/largesize/9e49da7f-da7d-47d5-abf6-1e8f87a9540b-modern-barns-that-are-so-far-from-farmyard-the-barn-pua.jpg, February 2025
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Page 14 – 1066556072: *High-Tech Meeting Room in Contemporary Coworking Office*
Page 14 – 871885554: *Doros on a modern structure*
Page 14 – 711563576: *Open day and guided tour in Urban community garden Het Lichtveen in Bennekom Gelderland province in The Netherlands*
Page 17 – 197281614: *Wheat field along old oak track*
Page 17 – 822504971: *Steel wire mesh fencing in agricultural fields with farm crops and machinery in the background, showcasing utility and durability.. AI generated.*
Page 17 – 542499984: *Drainage tubing in the field*
Page 19 – 840796122: *Beehives in an apiary outdoors with wildflower - AI generated.*
Page 19 – 950605428: *Vibrant wildflower meadow in full bloom under golden summer sunlight diverse flora buzzing pollinators idyllic countryside*
Page 19 – 104406921: *Springtime apple orchard at the peak of bloom.*

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Page 19 – Fencing in field https://fenceall.com/wp-content/uploads/2022/05/c_farm.jpg
Page 49 – ORCA Web Map of Farm Site, March 2024
Page 50 – Existing Sidewalk on South Side of Pioneer Road, Google Earth Street View
Page 50 – Existing Sidewalk on North Side of Pioneer Road, Google Earth Street View
Page 50 – Pioneer Road at Clean Tech Commons Access Looking East Towards Existing Farm Entrance– Google Earth Street View
Page 54 – Peterborough County Soil Map https://sis.agr.gc.ca/cansis/publications/surveys/on/on45/on45_map_south.jpg

Research Farm Master Plan

Cultivating Agricultural Innovation

Appendix A: Existing Service Records

Prepared by:

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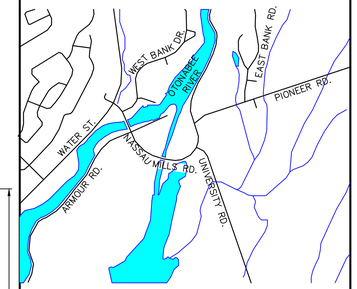
In Association With:
Dougan Ecology
Engage Engineering
Unity Design Studio

May 9, 2025
B&A Project Number: 23-41

PIONEER RD

GRADING LIMIT
EXISTING NEXICOM LOCATED BY NEXICOM REPRESENTATIVE ONSITE EXPOSED AND RE-LAID (SEE DETAIL)
GRADING FOR PROPOSED ROAD COMPLETED (B.O.)
GRADING LIMIT
GRADING MAX 2:1 SLOPE (HYDRO SEED)
29.0m FUTURE RIGHT OF WAY
GRADING MAX 2:1 SLOPE
STA:1+825.29 OFF:10.74m L
19.6m - 500mm CULVERT@ 0.50%
STA:1+927.38 OFF:10.75m L
EXISTING NEXICOM LOCATED EXPOSED AND RELOCATED
STA:1+952.09 OFF:11.33m L
GRADING MAX 2:1 SLOPE (HYDRO SEED WITH SLOPE STABILIZATION MAT)
DETECTABLE WARNING PLATE FROM NEENAH FOUNDRY (TYP)
DETECTABLE WARNING PLATE FROM NEENAH FOUNDRY (TYP)
STA:1+873.66 OFF:10.75m L
19.6m - 500mm CULVERT@ 0.50%
3.0m MULTI-USE TRAIL
DITCH MAX 2:1 SLOPE (SEE GENERAL NOTE 15 FOR SEEDING)
DITCH MAX 2:1 SLOPE (SEE GENERAL NOTE 15 FOR SEEDING)
CURB TERMINATION AS PER CP363.01
MATCHLINE – STA. 1+790 FOR CONTINUATION, SEE PP05
MATCHLINE – STA. 1+960 FOR CONTINUATION, SEE PP07
MH# 302132
MH# 302130
90.0m - 375mmØ PVC @ 1.00%
90.0m - 375mmØ PVC @ 1.00%
83.5m - 375mmØ PVC @ 1.00%
PROP. C/L
INSTALLED 300mm VALVE
300mmØ WATERMAIN
PLUG TEE
DITCH MAX 2:1 SLOPE (SEE GENERAL NOTE 15 FOR SEEDING)
CURB TERMINATION AS PER CP363.01
DITCH MAX 2:1 SLOPE (SEE GENERAL NOTE 15 FOR SEEDING)
PROP. 1.5m WALKWAY
SUPPLIED AND INSTALLED GALVINIZED FENCE AS PER (OPSD 972.130) WITH TOP RAIL (PROVISIONAL)
INSTALLED HYDRANT (AS PER OPSD 217.050) C/W 150mmØ X 300mmØ ANCHOR TEE AND 150mm ISOLATION VALVE, TAPPED HYDRANT LEAD WITH 20mm COPPER DOUBLE STOPPED TEST LINE (REMOVED AFTER TESTING WAS COMPLETE)
GRADING MAX 2:1 SLOPE (HYDRO SEED WITH SLOPE STABILIZATION MAT)
GRADING LIMIT
GRADING LIMIT

KEY MAP



LEGEND

- EX./PR. EDGE OF PAVEMENT
- EX./PR. BUILDING
- EX./PR. CURB
- PROPERTY LINE
- PR. SANITARY MANHOLE
- PR. CATCH BASIN MANHOLE
- EX./PR. MANHOLE
- EX./PR. CATCH BASIN
- EX./PR. FIRE HYDRANT
- EX./PR. WATER VALVE
- EX. HYDRO POLE
- EX. BELL POLE
- EXISTING LIGHT STANDARD
- EX./PR. GASMAIN
- EX./PR. OVERHEAD HYDRO & BELL
- EX./PR. OVERHEAD BELL
- EX./PR. OVERHEAD HYDRO
- EX./PR. STORM SEWER
- EX./PR. SANITARY SEWER
- EX./PR. WATERMAIN
- EX./PR. SLOPE LINES
- EX./PR. SPOT/TOP OF CURB ELEVATION
- PR. TOP/BOTTOM OF RETAINING WALL ELEV.
- EX./PR. GRADES
- EX. CONIFEROUS/DECIDUOUS TREE
- EX./PR. TREE LINE

HIGH PT STA: 18+98.56
HIGH PT ELEV: 225.84
PVI STA:1+875.00
PVI ELEV:226.19
K:23.56
LVC:94.23
BVCS: 1+827.88
BVCE: 224.76
EVCS: 1+922.12
EVCE: 225.172
MH# 302132
T/G: 224.84
W INV: 217.80 (375mmØ)
E INV: 217.83 (375mmØ)
MH# 302130
T/G: 225.74
W INV: 218.53 (375mmØ)
E INV: 218.56 (375mmØ)
FINISHED GRADE
1.20m
VALVE
PROPOSED WATERMAIN
HYDRANT
300mm x 300mm TEE
PROPOSED NEXICOM TRENCH BOTTOM
PROPOSED SANITARY
90.0m - 375mmØ PVC @ 1.00%
90.0m - 375mmØ PVC @ 1.00%
83.5m - 375mmØ PVC @ 1.00%

STORM			STORM
WATER			WATER
SANITARY	375mmØ PVC 90.0m @ 1.00%	375mmØ PVC 90.0m @ 1.00%	375mmØ PVC 83.5m @ 1.00%
	217.60 / 217.63	218.53 / 218.56	SANITARY
EX. ELEV. CHAINAGE PR. ELEV	230.33 / 1+800 / 223.941	231.93 / 1+820 / 224.541	233.23 / 1+840 / 225.110
	234.06 / 1+860 / 225.522	234.32 / 1+880 / 225.764	233.83 / 1+900 / 225.837
	232.70 / 1+920 / 225.740	231.20 / 1+940 / 225.541	229.57
EX. ELEV. CHAINAGE PR. ELEV			EX. ELEV. CHAINAGE PR. ELEV

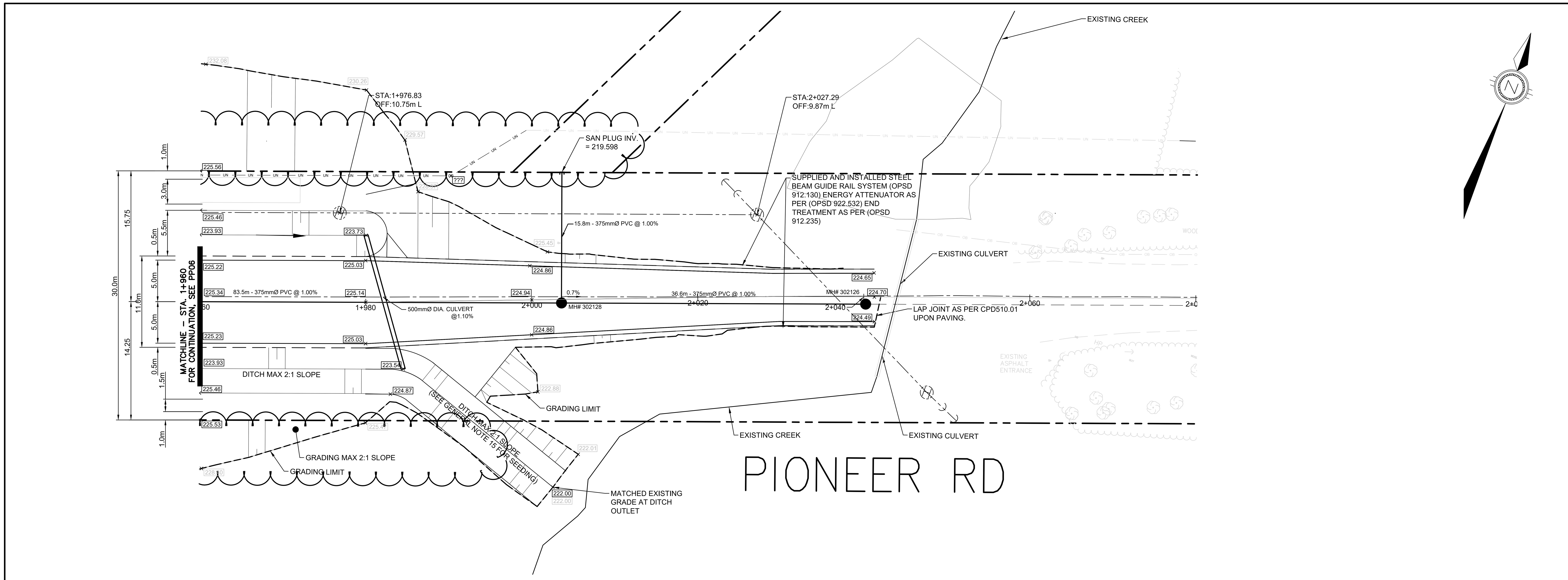
REVISIONS

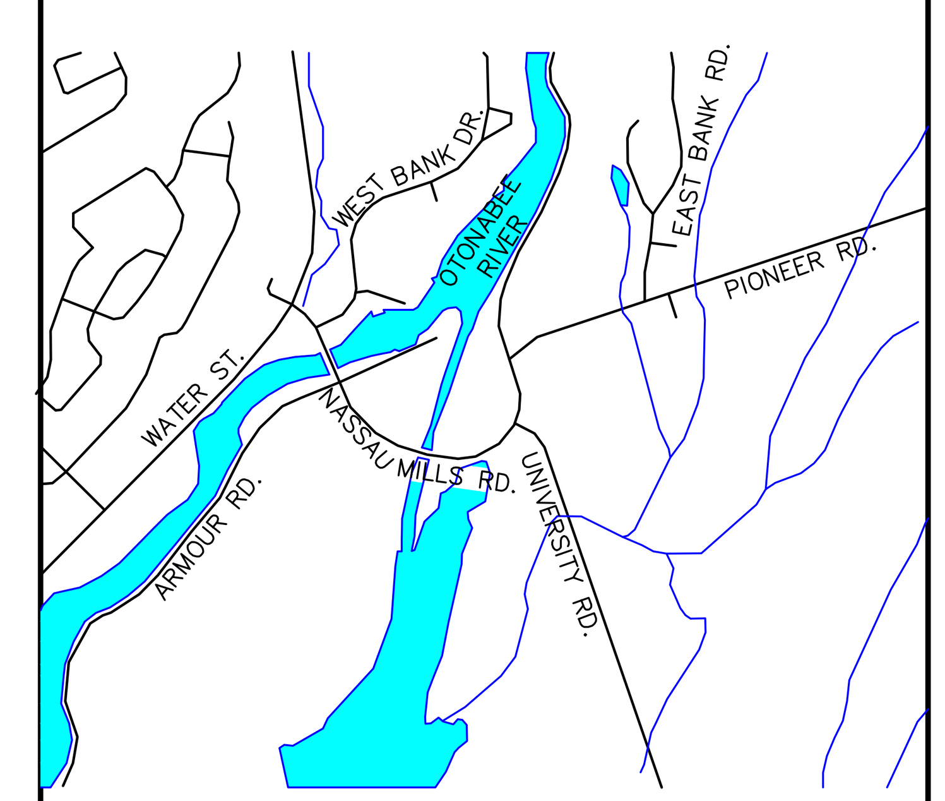
DATE	DESCRIPTION	DRAWN
DEC. 2020	AS-BUILT	RJS
OCT. 18, 2017	CURB/CROSSING REVISIONS	C.P.M.
AUG. 24, 2017	SANITARY SEWER REVISIONS	C.P.M.
JUL. 25, 2017	ISSUED FOR ORCA APPROVAL	C.P.M.
MAR. 13, 2017	ISSUED FOR CONSTRUCTION	C.P.M.
FEB. 17, 2017	ISSUED FOR MOE APPROVAL	C.P.M.

PIONEER ROAD RECONSTRUCTION
CITY OF PETERBOROUGH
T-07-17
PIONEER - PLAN AND PROFILE
STA. 1+790 TO STA. 1+960

SCALE: H = 1:250 V = 1:100

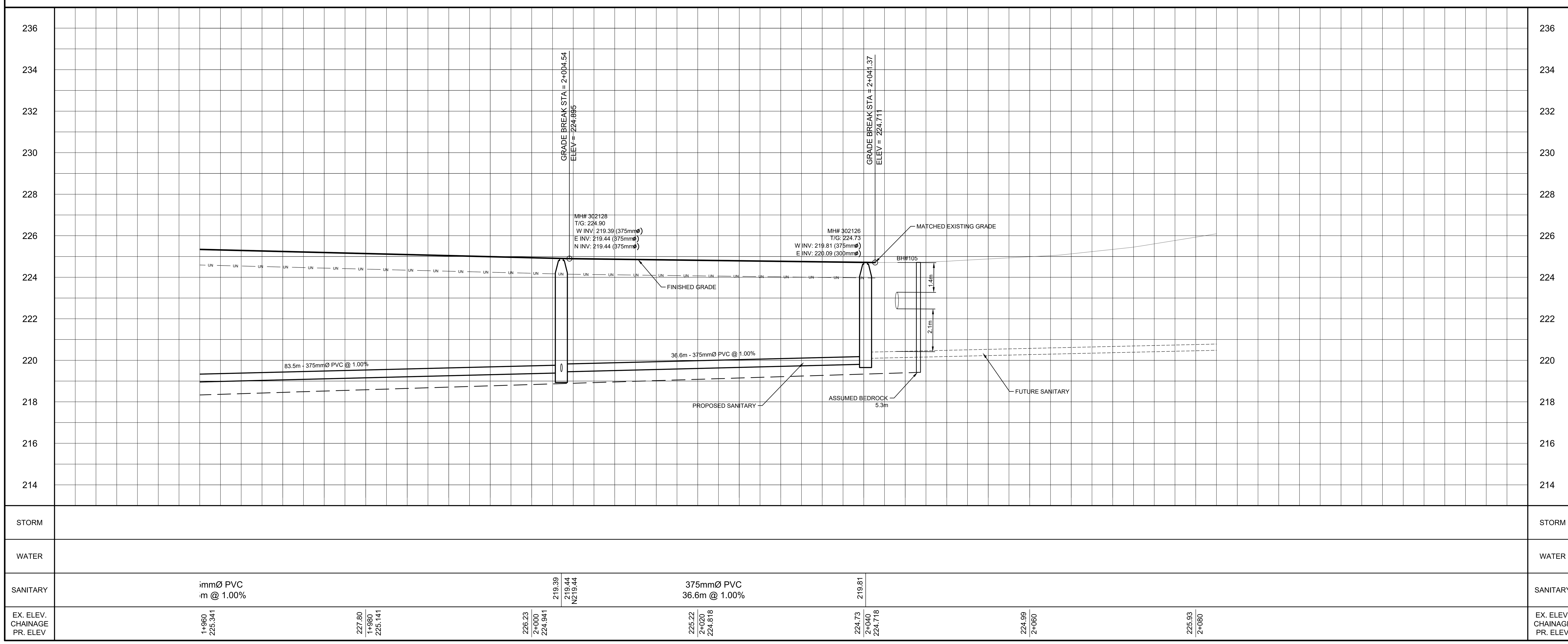
C.P.M. (SURVEYED BY)	T-07-17 PP06 (DRAWING NUMBER)
C.P.M. (DRAWN BY)	OCT. 20, 2017 (DATE)
C.P.M. (DESIGNED BY)	11 (SHEET NUMBER)





LEGEND

- EX./PR. EDGE OF PAVEMENT
- EX./PR. BUILDING
- EX./PR. CURB
- PROPERTY LINE
- PR. SANITARY MANHOLE
- PR. CATCH BASIN MANHOLE
- EX./PR. MANHOLE
- EX./PR. CATCH BASIN
- EX./PR. FIRE HYDRANT
- EX./PR. WATER VALVE
- EX. HYDRO POLE
- EX. BELL POLE
- EXISTING LIGHT STANDARD
- EX./PR. GASMAIN
- EX./PR. OVERHEAD HYDRO & BELL
- EX./PR. OVERHEAD BELL
- EX./PR. OVERHEAD HYDRO
- EX./PR. STORM SEWER
- EX./PR. SANITARY SEWER
- EX./PR. WATERMAIN
- EX./PR. SLOPE LINES
- 190.00 ×190.00 ×TC 190.00 EX./PR. SPOT/TOP OF CURB ELEVATION
- ×TW 190.00 ×BW 190.00 PR. TOP/BOTTOM OF RETAINING WALL ELEV.
- 2.0% 2.0% EX./PR. GRADES
- EX. CONIFEROUS/DECIDUOUS TREE
- EX./PR. TREE LINE



REVISIONS		
DATE	DESCRIPTION	DRAWN
DEC. 2020	AS-BUILT	RJS
NOV. 17, 2017	REVISION TO SANITARY SERVICE STA	C.P.M.
OCT. 18, 2017	SIDEWALK/MULTI-USE TRAIL REVISIONS	C.P.M.
AUG. 24, 2017	SANITARY SEWER REVISIONS	C.P.M.
JUL. 25, 2017	ISSUED FOR ORCA APPROVAL	C.P.M.
MAR. 13, 2017	ISSUED FOR CONSTRUCTION	C.P.M.
FEB. 17, 2017	ISSUED FOR MOE APPROVAL	C.P.M.

PIONEER ROAD RECONSTRUCTION

CITY OF PETERBOROUGH
T-07-17

PIONEER - PLAN AND PROFILE
STA. 1+960 TO STA. 2+080

SCALE: H = 1:250 V = 1:100

C.P.M.	T-07-17 PP07
SURVEYED BY	DRAWING NUMBER
C.P.M.	NOV. 17, 2017
DRAWN BY	DATE
C.P.M.	12
DESIGNED BY	SHEET NUMBER

SECTION 4

PARKING, LOADING AND DRIVEWAYS

4.1 DEFINITIONS

4.1.1 DEFINITION OF AREAS

For purposes of this section, the City shall be divided into the three areas designated on Schedule 'E(1)' to this By-law.

4.1.2 OCCUPANCY LOAD

For purposes of this Section, occupancy load shall be as provided for in the *Ontario Building Code*.

4.2 MOTOR VEHICLE PARKING REQUIREMENTS

No person shall use any land, or erect, alter, or use any building or part thereof for any purpose unless motor vehicle parking space is provided and maintained in accordance with the following:

(A) RESIDENTIAL

Purpose	Area		
	1	2	3
1) Dwelling containing 1 or 2 dwelling units	1/unit	1/unit	2/unit
2) Dwelling containing 3 or more dwelling units	1/unit	1.5/unit	1.75/unit
3) Group Home: i) 6 or fewer residents ii) 7 or more residents	2 the greater of 2 or 0.5/staff	2 the greater of 2 or 0.5/staff	2 the greater of 2 or 0.5/staff
4) Lodging House	Minimum of 1 or 1 per 3 Bedrooms, whichever is greater	Minimum of 1 or 1 per 3 Bedrooms, whichever is the greater	Minimum of 1 or 1 per 2 Bedrooms, whichever is the greater

4.2.A(i) (deleted, By-law 23-087)

(B) COMMERCIAL

Purpose	Area		
	1	2	3
1) office, personal service or laboratory	1/45 square metres of floor area	1/37 square metres of floor area	1/28 square metres of floor area
2) medical office/clinic, or veterinarian office	the greater of 1/37 square metres of floor area or 3/practitioner	the greater of 1/28 square metres of floor area or 4/practitioner	the greater of 1/18 square metres of floor area or 5/practitioner
3) retail or rental establishment	1/35 square metres of floor area	1/23 square metres of floor area	1/18 square metres of floor area
4) retail establishment for the sale of furniture, major appliances or agricultural supplies and equipment	1/90 square metres of floor area	1/75 square metres of floor area	1/75 square metres of floor area
5) restaurant	the greater of 6 or 1/5 seats, plus 1/9 square metres of assembly area	the greater of 8 or 1/4 seats, plus 1/6.5 square metres of assembly area	the greater of 10 or 1/3 seats, plus 1/4 square metres of assembly area
6) laundromat	1/8 washing machines	1/6 washing machines	1/4 washing machines
7) service station, public garage, autobody repair, muffler or other motor vehicle repair establishment	the greater of 1/4 service bays or 1/9 square metres of service area	the greater of 1/4 service bays or 1/9 square metres of service area	the greater of 1/4 service bays or 1/9 square metres of service area
8) car wash	0.5/staff plus the following minimum spaces in advance of each washing stall: i) self service - 3 ii) automatic - 10 iii)conveyor - 15	0.5/staff plus the following minimum spaces in advance of each washing stall: i) self service - 3 ii) automatic - 10 iii)conveyor - 15	0.5/staff plus the following minimum spaces in advance of each washing stall: i) self service - 3 ii) automatic - 10 iii)conveyor - 15
			May 18, 2001

9) bank, loan company or financial institution	1/45 square metres of office floor area	1/37 square metres of office floor area plus 1/9 square metres of other floor area	1/28 square metres of office floor area plus 1/9 square metres of other floor area
10) retail establishment for the sale of motor vehicles	1/35 square metres of indoor display floor area plus 1/9 square metres of service area	1/23 square metres of indoor display floor area plus 1/9 square metres of service area	1/18 square metres of indoor display floor area plus 1/9 square metres of service area
11) hotel or motel	1/guest room plus the requirement for any other purposes	1/guest room plus the requirement for any other purposes	1/guest room plus the requirement for any other purposes
12) place of entertainment, place of amusement or adult entertainment parlour	0.5/staff plus 1/9 square metres of assembly area	0.5/staff plus 1/6.5 square metres of assembly area	1/staff plus 1/4 square metres of assembly area
13) Warehouse Membership Club	1/23 square metres of building floor area	1/20 square metres of building floor area (06-057)	1/20 square metres of building floor area (06-057)

4.2.B(i)

Notwithstanding the foregoing, the minimum parking space requirements for a commercial building or buildings located on a lot and containing a total floor area in excess of 745 square metres and at least four (4) retail purposes, shall be as follows:
Area 1 - 1/35 square metres of gross leasable area
Area 2 - 1/28 square metres of gross leasable area
Area 3 - 1/20 square metres of gross leasable area

In addition, notwithstanding the foregoing, the minimum parking space requirement for dwelling units located on any lot in a commercial land use district located within the area designated as the Regional Centre/C.B.D. Area on Schedule 'E(2)' to this By-law, shall be:

a) for the first four dwelling units - none
b) for each dwelling unit in excess of four - 0.5

(C) INDUSTRIAL

Purpose	Area		
	1	2	3
1) warehouse, wholesale, building contractor establishment, mail or small parcel distribution establishment or greenhouse	1/28 square metres of sales floor area plus 1/325 square metres of storage area plus 1/45 square metres of office floor area	1/23 square metres of sales floor area plus 1/280 square metres of storage area plus 1/37 square metres of office floor area	1/18 square metres of sales floor area plus 1/230 square metres of storage area plus 1/28 square metres of office floor area
2) assembly, processing or manufacturing plant	the greater of 1/6 staff or 1/185 square metres of floor area	the greater of 1/4 staff or 1/140 square metres of floor area	the greater of 1/3 staff or 1/93 square metres of floor area
3) machine shop, tradesman shop, welding shop or furniture refinishing	the greater of 1/6 staff or 1/18 square metres of floor area	the greater of 1/4 staff or 1/14 square metres of floor area	the greater of 1/3 staff or 1/9 square metres of floor area
4) dog boarding kennel	1/staff	2/staff	2/staff
5) fuel storage yard	1/45 square metres of office floor area	1/37 square metres of office floor area	1/28 square metres of office floor area
6) salvage yard	minimum of 6 plus the requirement for any other purposes	minimum of 6 plus the requirement for any other purposes	minimum of 6 plus the requirement for any other purposes
7) business management services, engineering, scientific services	1/45 square metres of floor area	1/37 square metres of floor area	1/28 square metres of floor area
8) utility service installation	1	1	1

(D) PUBLIC SERVICE

Purpose	Area		
	1	2	3
1) elementary school (JK-8)	1.5/classroom	2/classroom	2/classroom
2) secondary school	1.5/classroom	2/classroom plus 1/20 students	2/classroom plus 1/20 students
3) day nursery	0.5/staff	0.5/staff	2/staff
4) library, museum, art gallery, music, dance or fine arts school, recreation hall, gymnasium, tennis club, skating rink, curling rink, arena, place of assembly, club house, lodge hall or funeral home	0.5/staff plus 1/9 square metres of assembly area	0.5/staff plus 1/6.5 square metres of assembly area	1/staff plus 1/4 square metres of assembly area
5) church	1/9 square metres of assembly area	1/6.5 square metres of assembly area	1/4 square metres of assembly area
6) nursing home or home for the aged	0.5/staff	0.25/resident plus 0.5/staff	0.25/resident plus 1/staff
7) police station, jail or fire hall	1/staff	1/staff	1.5/staff
8) monastery, convent or other religious establishment	0.5/staff and/or resident plus 1/9 square metres of assembly area	0.5/staff and/or resident plus 1/6.5 square metres of assembly area	1/staff and/or resident plus 1/4 square metres of assembly area
9) hospital or hospice	1/bed plus 0.5/staff	1/bed plus 0.5/staff	1/bed plus 1/staff

(E) OPEN SPACE

Purpose	Area		
	1	2	3
1) golf course	100/18 holes plus the requirement for any other purposes	100/18 holes plus the requirement for any other purposes	100/18 holes plus the requirement for any other purposes
2) golf driving range or miniature golf	minimum of 20	minimum of 20	minimum of 20
3) camping ground (tent or trailer)	1/site	1/site	1/site
4) fairground race course	0.5/fixed spectator seat plus the requirement for any other purposes	0.5/fixed spectator seat plus the requirement for any other purposes	0.5/fixed spectator seat plus the requirement for any other purposes
5) armoury or defence establishment	0.5/staff plus 1/9 square metres of assembly area	0.5/staff plus 1/6.5 square metres of assembly area	1/staff plus 1/4 square metres of assembly area
6) riding stable	the greater of 4 or 1/stall	the greater of 4 of 1/stall	the greater of 4 of 1/stall
7) cemetery	minimum of 10	minimum of 10	minimum of 10
8) park: a) community i) active	40/field plus the requirement for any other purposes	40/field plus the requirement for any other purposes	40/field plus the requirement for any other purposes
ii) passive	20 minimum plus the requirement for any other purposes	20 minimum plus the requirement for any other purposes	20 minimum plus the requirement for any other purposes
b) neighbourhood	0	0	0

(F) UNIVERSITY AND COLLEGE

Purpose	Area		
	1	2	3
1) University and College	4/classroom plus 1/9 square metres of other assembly area, and 0.25/ resident student	6/classroom plus 1/6.5 square metres of other assembly area, and 0.25/ resident student	8/classroom plus 1/4 square metres of other assembly area, and 0.25/resident student

4.2.1

Notwithstanding anything contained in this By-law, no motor vehicle parking spaces shall be required in connection with any non-residential use of any property located within the portion of Area 1 which is shaded on Schedule 'E(2)' to this By-law provided such use:

a) was permitted as of January 1, 1995; and

b) is carried on within a building which existed on January 1, 1995. In the event that any such building is expanded, after January 1, 1995, the parking requirements provided in this by-law shall apply to the expanded portion of such building.

4.3 MOTOR VEHICLE PARKING REGULATIONS

4.3.1 SIZE OF PARKING SPACE

(a) Within Area 1:

(i) except as required in subsection (ii) of this section, each required parking space shall be at least 2.5 metres by 5.5 metres and shall be readily accessible and usable at all times by way of an aisle conforming to the following:

Angle of Parking Space	Aisle Width
0-45 degree parking	3.6 metres
46-60 degree parking	4.8 metres
61-90 degree parking	6.0 metres

(ii) on any lot not used exclusively for residential purposes, and on which more than 20 parking spaces are required each required parking space shall be at least 2.7 metres by 5.7 metres and shall be readily accessible and usable at all times by way of an aisle conforming to the following:

Angle of Parking Space	Aisle Width
0-45 degree parking	3.6 metres
46-60 degree parking	4.8 metres
61-75 degree parking	6.1 metres
76-90 degree parking	6.4 metres

(iii) on any lot used exclusively for residential purposes a maximum of 4 (four) tandem parking spaces shall be permitted, provided that each tandem parking space shall be readily accessible and usable at all times by way of an aisle conforming to the following:

Angle of Parking Space	Aisle Width
0-45 degree parking	3.6 metres
46-60 degree parking	4.8 metres
61-90 degree parking	6.0 metres

(b) Within Areas 2 and 3:

(i) each required parking space shall be at least 2.7 metres by 5.7 metres and shall be readily accessible and usable at all times by way of an aisle conforming to the following:

Angle of Parking Space	Aisle Width
0-45 degree parking	3.6 metres
46-60 degree parking	4.8 metres
61-75 degree parking	6.1 metres
76-90 degree parking	6.4 metres

(ii) a maximum of one (1) tandem parking space shall be permitted on a lot in conjunction with each single or two unit dwelling or a boarding house.

4.3.2 RESIDENTIAL DISTRICT-PARKING

In a residential district:

a) on any lot containing a single or two unit dwelling not more than two motor vehicles shall be parked within 6 metres of a street line.

b) where a lot contains five (5) or more motor vehicle parking spaces, such spaces and the driveway thereto shall not be located within 1.5 metres of a side lot line or a rear lot line.

c) a motor vehicle parking space or driveway shall not be located with 6 metres of a window to a habitable room in an apartment dwelling or group dwelling.

d) the parking of a commercial or industrial vehicle weighing in excess of 2,725 kilograms shall be prohibited on any lot.

e) commercial or industrial vehicles weighing less than 2,725 kilograms may be parked on a lot providing that the operator of the vehicle resides in a dwelling on the lot.

f) no person shall park in the open any boat, trailer or travel trailer in excess of 7.6 metres within 1.2 metres of any side or rear lot line, or within any front yard.

g) no person shall park any boat, trailer or travel trailer, regardless of length, within 0.3 metres of any side or rear lot line.

MOTOR VEHICLE PARKING REQUIREMENTS TO SERVE DISABLED PERSONS

4.4 No person shall use any land, or erect, alter, or use any building or part thereof for any purpose unless motor vehicle parking spaces to serve disabled persons are provided and maintained in accordance with the following:

	USE OR PURPOSE	PARKING REQUIREMENT
1)	Clinic or medical office	1/15 parking spaces
2)	Hospital, nursing home or home for the aged	1/20 beds
3)	Multiple unit residential dwelling	1 for first 10 dwelling units, plus 1 space for each additional 20 dwelling units
4)	Dwelling accommodating disabled persons	1/dwelling unit
5)	Restaurant or place of assembly	1/50 seats to a maximum of 20 spaces

6) All other uses shall be in accordance with the following (excluding a lot permitting residential dwelling containing 8 or fewer dwelling units, providing that such units are not specifically for disabled persons):

Number of Parking Spaces	Provision of Parking Spaces to Serve Disabled Persons
1 to 20	1
21 to 100	3
101 to 200	5
201 to 300	7
301 to 400	9
401 or more	9 plus 1% of the total parking space requirement

4.4.1 SIZE OF PARKING SPACE SERVING DISABLED PERSONS

(a) Each required parking space serving disabled persons shall have the following minimum dimensions:

i)	**width**	**2.7 metres**
ii)	**pedestrian aisle adjacent to parking space**	**1.5 metres**
iii)	**length**	**5.7 metres**
iv)	**vertical clearance**	**2.7 metres**

(b) Such space shall be readily accessible and useable at all times by way of a aisle conforming to the following:

Angle of Parking Space	Aisle Width
0 - 45 degree parking	**3.6 metres**
46 - 60 degree parking	**4.8 metres**
61 - 75 degree parking	**6.1 metres**
76 - 90 degree parking	**6.4 metres**

4.5 PASSENGER BUS PARKING REQUIREMENTS

Passenger bus parking spaces shall be required for any assembly area having an occupancy load of or more than 500 persons, in accordance with the following:

Occupancy Load	Minimum Requirement
501 to 1,000 persons	**1**
1001 to 1,500 persons	**2**
1501 to 2,000 persons	**3**
2001 or more persons	**3 plus 1 space for each 1,000 persons**

4.5.1 SIZE OF PASSENGER BUS PARKING SPACE

Each required passenger bus parking space shall be at least 3.6 metres by 12 metres, and shall have a minimum vertical clearance of 4.3 metres, and that such space shall be readily accessible and useable at all times.

4.5.2 SET BACKS - PASSENGER BUS PARKING SPACE

A minimum set back of a passenger bus parking space of 6 metres, shall be required along any lot line abutting a residential or development district.

4.6 LOADING REQUIREMENTS

4.6.1 DIMENSIONS OF LOADING SPACE

For purposes of this section, a vehicle loading space shall have a vertical clearance of at least 4.3 metres and the following minimum dimensions:

SPACE TYPE	DIMENSIONS
A	3.6 x 12 metres
B	3.6 x 6 metres

4.6.2 No person shall use any land, or erect, alter or use any building or part thereof for any purpose unless vehicle loading space is provided and maintained in accordance with the following:

(A) RESIDENTIAL

	AREA		
PURPOSE	1	2	3
Dwelling containing:			
i) 1 to 8 units	0	0	0
ii) 9 to 30 units	0	0	1 - 'B'
iii) 31 to 100 units	1 - 'B'	1 - 'B'	2 - 'B'
iv) 101 or greater units	1 - 'A'	1 - 'A'	1 - 'A'

(B) COMMERCIAL

PURPOSE	AREA 1	2	3
1) office, clinic, personal service establishment or labratory			
floor area			
i) 0 to 232 square metres	**0**	**0**	**1 - 'B'**
ii) 233 to 465 square metres	**0**	**1 - 'B'**	**1 - 'B'**
iii) 466 to 745 square metres	**1 - 'B'**	**1 - 'A'**	**1 - 'A'**
iv) 746 or greater square metres	**1 - 'A'**	**1 - 'A'**	**1 - 'A'**
2) retail store or rental establishment			
floor area			
i) 0 to 92 square metres	**0**	**0**	**1 - 'B'**
ii) 93 to 465 square metres	**1 - 'B'**	**1 - 'B'**	**1 - 'B'**
iii) 466 to 745 square metres	**1 - 'A'**	**1 - 'A'**	**1 - 'A'**
iv) 746 or greater square metres	**1 - 'A' plus 1 additional 'A' space for every additional 1,860 square metres or less of floor area**	**1 - 'A' plus 1 additional 'A' space for every additional 1,860 square metres or less of floor area**	**2 - 'A' plus 1 additional 'A' space for every additional 1,860 square metres or less of floor area**

3) hotel or motel			
i) 0 to 50 guest rooms	**1 - 'B'**	**1 - 'B'**	**1 - 'B'**
ii) 51 to 100 guest rooms	**1 - 'A'**	**1 - 'A'**	**1 - 'A'**
iii) 101 and greater guest rooms	**1 - 'A' plus 1 'A' space for each additional 100 or fewer guest rooms**	**1 - 'A' plus 1 'A' space for each additional 100 or fewer guest rooms**	**1 - 'A' plus 1 'A' space for each additional 100 or fewer guest rooms**
4) restaurant			
A) without assembly area:			
floor area			
i) 0 to 93 square metres	**0**	**1 - 'B'**	**1 - 'B'**
ii) 94 to 185 square metres	**1 - 'B'**	**1 - 'A'**	**1 - 'A'**
iii) 186 and greater square metres	**1 - 'A'**	**1 - 'A'**	**1 - 'A'**
B) with assembly area:			
occupancy load			
i) 0 to 100 persons	**0**	**1 - 'B'**	**1 - 'B'**
ii) 101 to 200 persons	**1 - 'B'**	**1 - 'A'**	**1 - 'A'**
iii)201 or greater persons	**1 - 'A', plus 1 additional 'A space for each additional occupancy load of 1,000 persons or fewer**	**1 - 'A', plus 1 additional 'A' space for each additional occupancy load of 1,000 persons or fewer**	**1 - 'A', plus 1 additional 'A' space for each additional occupany load of 1,000 persons or fewer**

			May 18, 2001
5) places of entertainment, place of amusement or adult entertainment parlour	**1 - 'A' for occupancy load of up to 1,000 persons plus 1 additional 'A' space for each additional occupancy load of 1,500 persons or fewer**	**1 - 'A' for occupancy load of up to 1,000 persons plus 1 additional 'A' space for each additional occupany load of 1,500 persons or fewer**	**1 - 'A' for occupany load of up to 1,000 persons plus 1 additional ♣A♠ space for each additional occupany load of 1,500 persons or fewer**
6) Warehouse Membership Club	**1 - ♣A♠ for every 1,860 square metres or less of building floor area**	**1 - ♣A♠ for every 1,860 square metres or less of building floor area**	**1 - ♣A♠ for every 1,860 square metres or less of building floor area**

4.6.2.B(i)

Notwithstanding the foregoing, the minimum loading space requirements for a commercial building or buildings located on a lot and containing a total floor area in excess of 745 square metres and at least four (4) retail purposes, shall be as follows:

Area 1 **1 - 'A' for up to 1,860 square metres of gross leasable area plus 1 additional 'A' space for every 2,785 square metres or less of gross leasable area**

Area 2 & 3 **1 - 'A' plus 1 additional 'A' space for every 1,860 square metres or less of gross leasable area**

(C) INDUSTRIAL

PURPOSE	AREA 1	AREA 2	AREA 3
1) assembly, processing or manufacturing plant			
floor area			
i) 0 to 370 square metres	**1 - 'A'**	**1 - 'A'**	**1 - 'A'**
ii) 371 to 1,860 square metres	**2 - 'A'**	**2 - 'A'**	**2 - 'A'**
iii)1,861 to 7,430 square metres	**4 - 'A'**	**4 - 'A'**	**4 - 'A'**
iv) 7,431 or greater square metres	**4 - 'A' plus 1 additional 'A' space for every 1,860 square metres or less of floor area**	**4 - 'A' plus 1 additional 'A' space for every 1,860 square metres or less of floor area**	**4 - 'A' plus 1 additional 'A' space for every 1,860 square metres or less of floor area**
2) other industrial			
floor area			
i) 0 to 185 square metres	**1 - 'B'**	**1 - 'B'**	**1 - 'B'**
ii) 186 to 370 square metres	**1 - 'B'**	**1 - 'B'**	**1 - 'A'**
iii)371 or greater square metres	**1 - 'A' plus 1 additional 'A' space for each additional 925 square metres or less of floor area**	**1 - 'A' plus 1 additional 'A' space for each additional 925 square metres or less of floor area**	**1 - 'A' plus 1 additional 'A' space for each additional 925 square metres or less of floor area**

(D) PUBLIC SERVICE AND INSTITUTIONAL

PURPOSE	AREA 1	AREA 2	AREA 3
1) special care or nursing home			
i) fewer than 100 bed facility	1 - 'B'	1 - 'B'	1 - 'B'
ii) 100 or greater bed facility	1 - 'A'	1 - 'A'	1 - 'A'
2) hospital	2 - 'A'	2 - 'A'	2 - 'A'
3) school (elementary or secondary)	1 - 'B'	1 - 'B'	1 - 'B'
4) library, museum, art gallery, music, dance or fine arts school, recreation hall, gymnasium, tennis club, skating rink, curling rink, arena, place of assembly, club house, lodge hall, funeral home or other place of assembly	1 - 'A' for occupancy load of up to 1,000 persons plus 1 additional 'A' space for each additional occupancy load of 1,500 persons or fewer	1 - 'A' for occupancy load of up to 1,000 persons plus 1 additional 'A' space for each additional occupancy load of 1,500 persons or fewer	1 - 'A' for occupancy load of up to 1,000 persons plus 1 additional 'A' space for each additional occupancy load of 1,500 persons or fewer

4.7 LOADING REGULATIONS

a) No loading space shall be located within 3 metres of a street line;
b) No loading space or driveway thereto, shall be located within the following distances of any lot line abutting a residential or development district:

i)	**'A'**	**- 6 metres**
ii)	**'B'**	**- 3 metres**

4.8 DRIVEWAY ACCESS

Motor vehicle access from a lot to a street shall be over a driveway conforming with the following:

(1) maximum driveway width at street line:

i)	**single unit residential or townhouse lot with less than 9 metres of lot width**	**- 3 metres**
ii)	**single unit residential lot with 9 metres or more of lot width**	**- 6 metres**
iii)	**two unit residential lot**	**- 3 metres per driveway**
iv)	**other residential lot**	**- 7.5 metres**
v)	**non-residential lot**	**- 7.5 metres**

(2) any driveway may have a width at street line in excess of 7.5 metres if:
a) shown on an approved Site Plan, pursuant to Section 41 of the *Planning Act*; or
b) permitted by the approval of a minor variance, pursuant to the *Planning Act*.

(3)	**i) minimum distance between a driveway and intersecting local street lines**	**- 6 metres**
	ii) minimum distance between a driveway and all other intersecting street lines	**- 6 metres or as required by an approved Site Plan Agreement, pursuant to Section 41 of the *Planning Act***
(4)	**minimum angle of the intersection between a driveway and street line**	**- 80 degrees**

(5)	**maximum number of driveways per lot:**	**- 1 per dwelling unit**
	i) lots containing single or two unit dwellings having a lot width of less than 20 metres	
	ii) lots containing single or two unit dwellings having a lot width of 20 metres or more	**- 2**
	iii) lots containing dwelling units with private entrance grade	**- 1 per dwelling unit**
	iv) other lots	**- 1 per street line, or as permitted by an approved Site Plan Agreement, pursuant to Section 41 of the *Planning Act***

.

4.9 SURFACE TREATMENT

The surface of all areas used for motor vehicle parking or vehicle loading purposes, and the access thereto, shall be adequately drained and treated to prevent the raising of dust. Surfaces within 3 metres of collector and arterial street shall be covered by an impervious material such as asphalt, concrete or equivalent.

4.10 ON SAME LOT

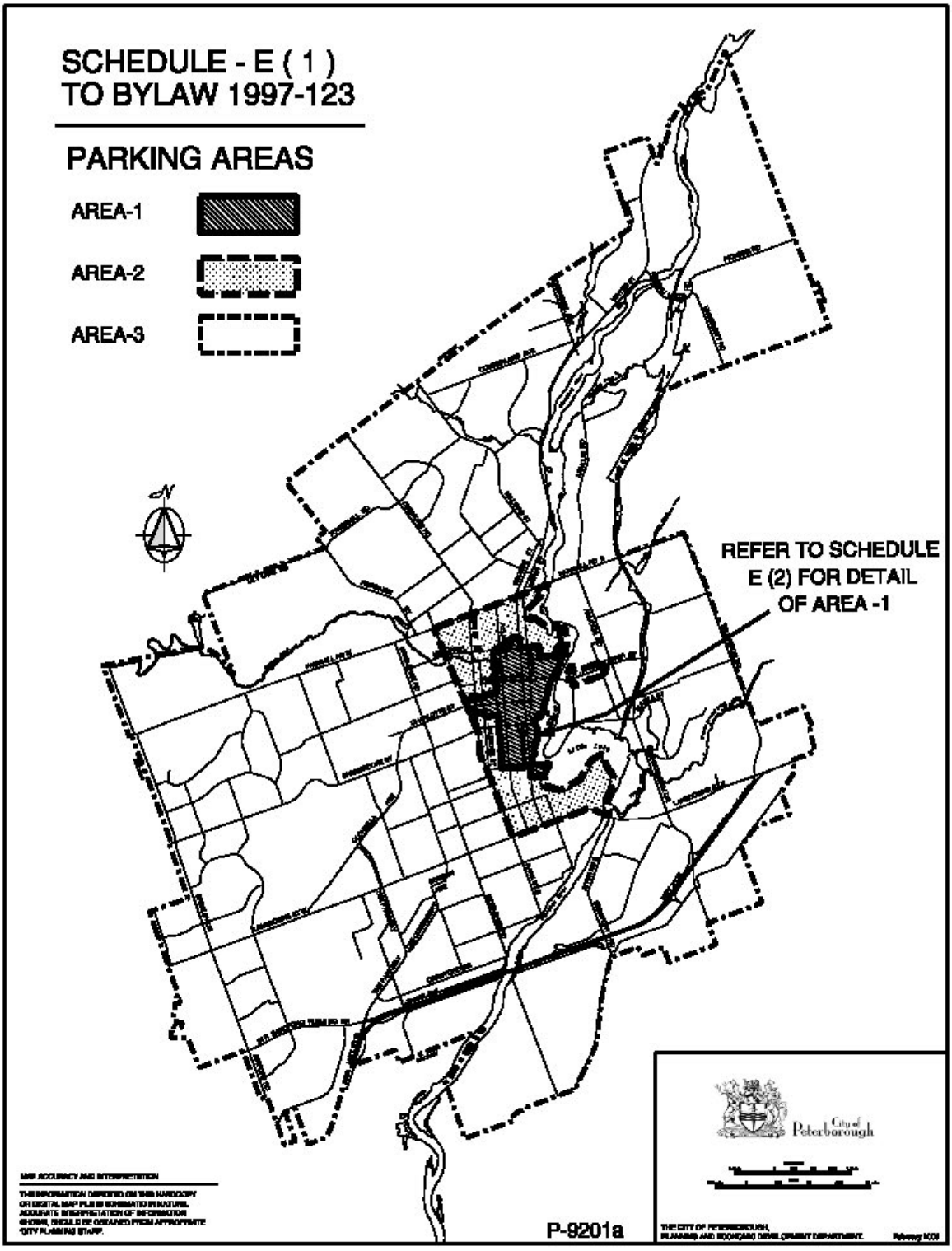
All motor vehicle parking and vehicle loading spaces required by this by-law shall be located on the same lot as the purpose in connection with which it is required.

4.11 MORE THAN ONE PURPOSE

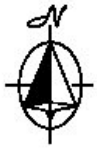
When more than one purpose is located on a lot, the minimum required motor vehicle parking space or loading spaces shall be the sum of the requirements for each such separate purpose, except as provided in subsections 4.2.B(i) and 4.6.2.B(i).

4.12 FRACTION OF REQUIREMENTS

When the calculation of the minimum required motor vehicle parking spaces, or vehicle loading spaces results in a fraction, the requirement shall be the next higher whole number.


SCHEDULE - E (1)
TO BYLAW 1997-123
PARKING AREAS
AREA-1
AREA-2
AREA-3
REFER TO SCHEDULE
E (2) FOR DETAIL
OF AREA -1
P-9201a

SCHEDULE - E (2) TO BYLAW 1997-123



LIMIT OF AREA -1

LIMIT OF SHADED AREA, REFERRED TO IN SECTION 4.2

PORTION OF AREA -1 NOT INCLUDED IN REGIONAL CENTRE C.B.D. AREA.

PARKING AREA -1

City of Peterborough

File: P-9201b

Scale: 1: 12000

Ontario Ministry of the Environment

The Ontario Water Resources Act
WATER WELL RECORD

Print only in spaces provided.
Mark correct box with a checkmark, where applicable.

11 5119273

Municipality 51007 Con. CON 09

County or District	Township/Borough/City/Town/Village	Con block tract survey, etc.	Lot
PETERBOROUGH	DOURO	Con. 9	6

Address: RR. #9 Peterborough, On. K9J 6X1

Date completed: 30 day 04 month 02 year

21 UTM Northing RC Elevation RC Basin Code ii iii iv

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth - feet From	Depth - feet To
			TOP SOIL	0	1
WHITE	CLAY	SAND		1	6
WHITE	CLAY			6	27
BROWN	GRAVEL		COARSE	27	33

31
32

41 WATER RECORD

Water found at - feet	Kind of water
33	1 ☒ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas (Untested)
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas

51 CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth - feet From	Depth - feet To
6 1/4	1 ☒ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic	188	0	33
	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic			
	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic			

SCREEN

Sizes of opening (Slot No.)	Diameter inches	Length feet
Material and type	Depth at top of screen feet	

61 PLUGGING & SEALING RECORD

☐ Annular space ☐ Abandonment

Depth set at - feet From	Depth set at - feet To	Material and type (Cement grout, bentonite, etc.)
0	18	Hole Plug Grout

71 PUMPING TEST

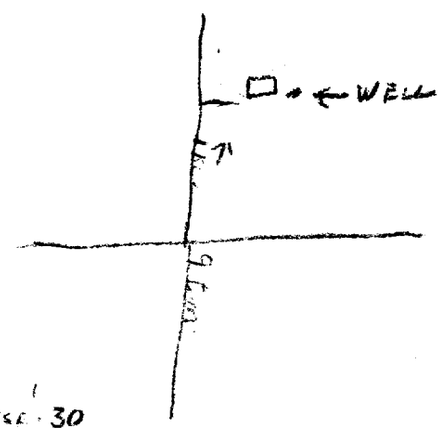
Pumping test method: 1 ☐ Pump 2 ☒ Bailer
Pumping rate: 5 GPM
Duration of pumping: 2 Hours 30 Mins

Static level	Water level end of pumping	Water levels during: 1 ☐ Pumping 2 ☐ Recovery			
		15 minutes	30 minutes	45 minutes	60 minutes
03 feet	22 feet	22 feet	22 feet	22 feet	22 feet

If flowing give rate: GPM
Pump intake set at: feet
Water at end of test: ☒ Clear ☐ Cloudy
Recommended pump type: ☐ Shallow ☒ Deep
Recommended pump setting: 31 feet
Recommended pump rate: 3 GPM

LOCATION OF WELL

In diagram below show distances of well from road and lot line. Indicate north by arrow.



To House - 30

235496

FINAL STATUS OF WELL

1 ☒ Water supply 2 ☐ Observation well 3 ☐ Test hole 4 ☐ Recharge well 5 ☐ Abandoned, insufficient supply 6 ☐ Abandoned, poor quality 7 ☐ Abandoned (Other) 8 ☐ Dewatering 9 ☐ Unfinished 10 ☐ Replacement well

WATER USE

1 ☒ Domestic 2 ☐ Stock 3 ☐ Irrigation 4 ☐ Industrial 5 ☐ Commercial 6 ☐ Municipal 7 ☐ Public supply 8 ☐ Cooling & air conditioning 9 ☐ Not use 10 ☐ Other

METHOD OF CONSTRUCTION

1 ☒ Cable tool 2 ☐ Rotary (conventional) 3 ☐ Rotary (reverse) 4 ☐ Rotary (air) 5 ☐ Air percussion 6 ☐ Boring 7 ☐ Diamond 8 ☐ Jetting 9 ☐ Driving 10 ☐ Digging 11 ☐ Other

Name of Well Contractor	Well Contractor's Licence No.
Robert Ruth Welldrilling Ltd.	4635
Address: RR#2 Cavan, On L0A 1C0	
Name of Well Technician: Robert Ruth Sr.	Well Technician's Licence No. T291
Signature of Technician/Contractor: Robert Ruth	Submission date: day 12 month 08 year 02

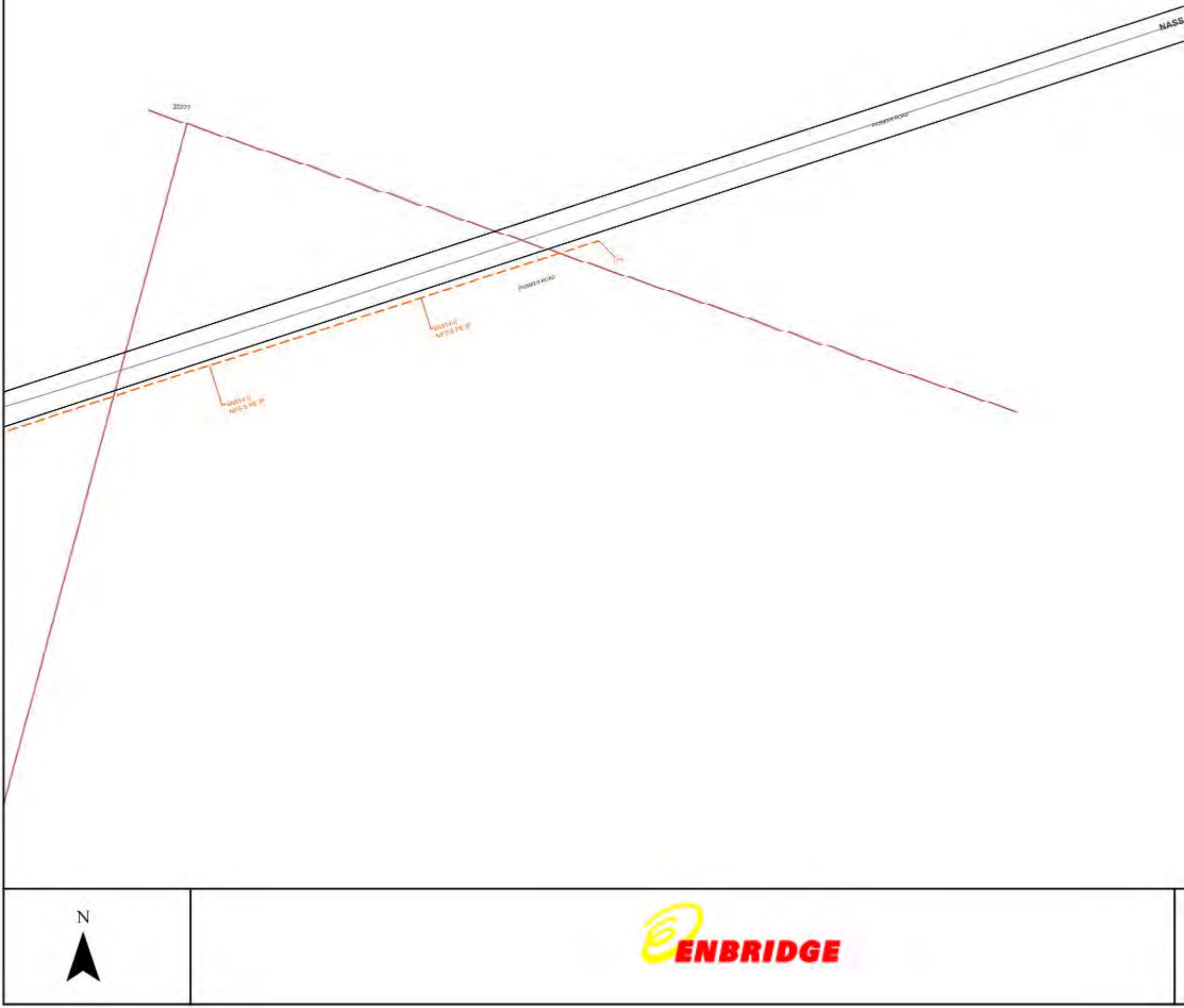
MINISTRY USE ONLY

Data source	Contractor	Date received
	4635	JAN 16 2003
Date of inspection	Inspector	
Remarks		

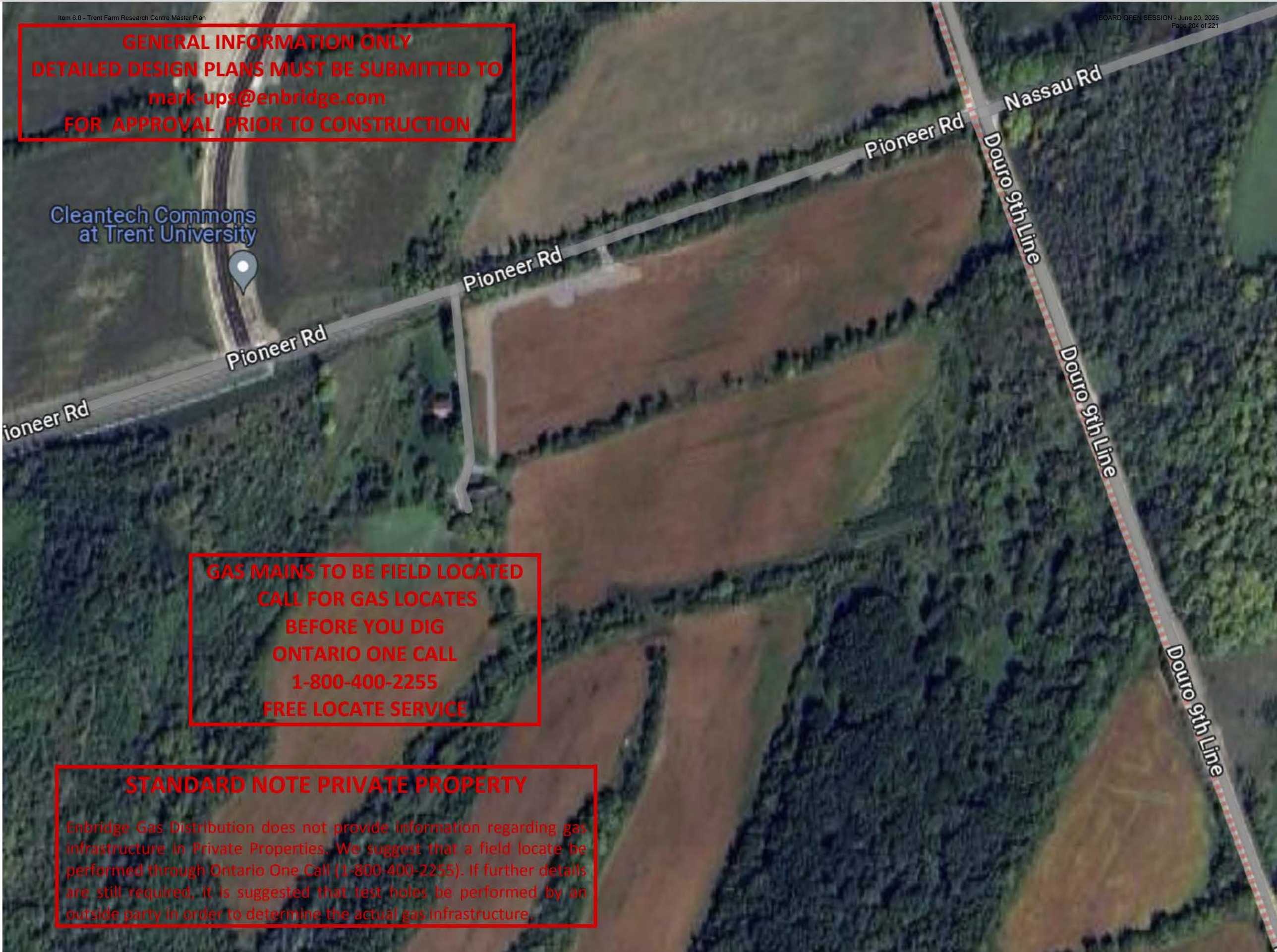
CSS.ES3

2 - MINISTRY OF THE ENVIRONMENT COPY

Hydro One Mapping


POWER ROAD
POWER ROAD
N
ENBRIDGE

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



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

STANDARD NOTE PRIVATE PROPERTY

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

Board Report

Session: ☐ Closed Session; ☒ Open Session

Action Requested: ☐ Decision; ☐ Discussion/Direction; ☒ Information

To:	Board of Governors
Date:	June 20, 2025
Presented by:	Julie Davis, VP External Relations and Development Sherry Booth, AVP Philanthropy and Alumni Engagement Naomi Handley, Director, Alumni
Subject:	Engagement & Services Alumni Engagement & Services Update

Motion for Consideration (if applicable):

That the Board of Governors receive this report for information.

Executive Summary:

This report provides an annual update on the status of alumni relations and implementation of the Alumni Engagement & Services Strategic Plan.

Analysis:

Over the past year, Trent University has made measurable progress in advancing the goals outlined in its Strategic Plan for Alumni Engagement, reinforcing key institutional priorities—including student recruitment and retention, reputation-building, community connection, and philanthropic growth.

Trent's ability to meaningfully engage its alumni network has been strengthened through intentional, cross-campus collaboration. By embedding alumni into the broader fabric of the University's academic and community life, Trent is activating a vital constituency as ambassadors, mentors, supporters, and advocates—supporting both near-term outcomes and long-term institutional sustainability.

Targeted alumni involvement in domestic and international student recruitment initiatives has enhanced Trent's global visibility. Alumni voices provide authentic, compelling perspectives that resonate with prospective students and families, contributing to enrollment decisions and deepening trust in the Trent brand.

Renewed alumni events, such as the Trent Durham GTA gathering, have successfully reconnected graduates with the institution and reinforced institutional pride. These efforts are cultivating a stronger sense of community—critical to building a lifelong relationship with Trent and strengthening the alumni pipeline for future support and engagement.

Career-focused initiatives, including Life After Trent: Career Conversations and enriched convocation experiences, create early touchpoints that build lasting alumni connections. These programs also directly benefit current students by expanding access to mentorship and professional networks—contributing to improved student outcomes and fostering a culture of giving back.

Recognizing the diversity and evolving expectations of its alumni, Trent has introduced new benefits, awards, and regional programming designed to increase inclusivity, loyalty, and relevance. Strategic partnerships, such as with the Bata Library, reinforce Trent's role as a centre for lifelong learning and thought leadership.

Increased investment in data-driven communications has resulted in significantly expanded digital engagement. The upcoming launch of a redesigned alumni website and digital alumni card platform is expected to further enhance accessibility, interaction, and participation across generations and geographies.

Aligned with Trent's institutional commitments to equity, diversity, and inclusion, new programming for 2SLGBTQIA+ alumni and expanded outreach to Indigenous alumni are underway—supporting Trent's vision of being a welcoming and forward-thinking institution for all members of its community.

Looking ahead, the University is prioritizing the re-engagement of previously unconnected alumni, enhancing data integrity, and cultivating long-term relationships that will continue to advance Trent's academic mission, community impact, and global reputation.

This work positions alumni not simply as beneficiaries of a Trent education, but as lifelong partners in its future.

Financial Implications:

Effective alumni engagement is essential for Trent, as it drives increased philanthropic giving that supports scholarships, research, and campus initiatives. Strong relationships with Trent alumni also enhance the university's reputation, aiding in student recruitment and fostering valuable community and industry partnerships. Furthermore, engaged alumni often contribute their time and expertise, helping to reduce costs and strengthen Trent's resources and impact.

Enterprise Risk Assessment:

Alumni are the largest constituent group in the Trent University Community, with over 67,612 alumni located in 134 countries. Trent's reputation is enhanced through the achievements of our alumni (proof of the value of their Trent education) therefore, keeping track of our alumni and fostering engagement with the University, and providing them with ways to give back is a priority. Poor relations and lack of connection can lead to a lack of financial and volunteer support, fewer student referrals, and missed opportunities to elevate Trent's reputation.

Next Steps:

Implementation of Year 2 of the Alumni Strategic Plan.

Alignment with Mission, Vision, Values, Strategic Plan:

Engaging alumni around the world to advance the mission of the university.

Consultation:

Alumni Engagement & Services activities are informed by consultations with alumni around the world, the Trent University Alumni Association (TUAA), Colleges of Trent, and many departments and internal groups at Trent Peterborough & Durham-GTA. Efforts are benchmarked against the sector through regular surveys such as the CASE Alumni Relations Metrics and CCAE sector trends and Key Performance Indicators.

Compliance with Policy/Legislation:

Canada's Anti-Spam Legislation and the Personal Information Protection and Electronic Documents Act are followed to ensure that alumni communications are transparent, consent-based, and respectful of individuals' personal information, demonstrating a commitment to ethical engagement practices.

Committee/Board Mandate

Annually, the Board receives a report on Alumni engagement

Supporting Reference Materials (attached):

i) Trent Alumni Engagement & Services Board Report 2024-25
ii) Trent Alumni Engagement & Services Strategic Plan

TRENT UNIVERSITY ALUMNI ENGAGEMENT & SERVICES

ANNUAL REPORT TO THE BOARD 2024-25

Introduction

This year marked the successful launch of Trent University's three-year Strategic Plan for Alumni Engagement & Services—a bold, forward-looking framework designed to strengthen connections with more than 67,000 alumni worldwide and deepen their ongoing contributions to the University's growth and success.

Rooted in the recommendations of the Alumni Review (commissioned by the President and received April 18, 2023), and informed by careful reflection on past initiatives, the Plan affirms the essential role of alumni as lifelong partners in advancing Trent's mission. Centering the diverse voices, identities, and experiences of Trent graduates, the Plan recognizes alumni as key contributors to institutional priorities spanning academic excellence, community impact, and global engagement.

The Strategic Plan is built around five core priorities, each directly shaped by alumni feedback and aligned with Trent's broader institutional goals:

Strengthening Alumni Relationships: Through cross-campus collaboration with colleges, programs, varsity teams, clubs, and academic departments, Trent is cultivating a vibrant and interconnected alumni community that supports both academic and extracurricular excellence.

Inspiring Future Alumni: By engaging students early and meaningfully, Trent is fostering a strong pipeline of future alumni who see themselves as lifelong contributors to the University's success.

Fostering Lifelong Engagement: The Plan introduces opportunities tailored to the evolving interests and life stages of alumni—building enduring relationships that enhance loyalty and long-term support.

Amplifying Alumni Stories: Strategic and inclusive communications are elevating alumni voices, enhancing Trent's reputation, and showcasing the real-world impact of a Trent education across diverse communities and industries.

Embedding Equity, Diversity & Belonging: The Plan prioritizes inclusive programming and engagement strategies to ensure all alumni feel recognized, valued, and empowered to contribute meaningfully to Trent's future.

This report outlines key accomplishments from the first year of implementation and highlights early indicators of success. From renewed events and expanded regional programming to increased digital engagement and inclusive outreach, alumni engagement is generating measurable momentum.

These efforts are not only reconnecting graduates with their alma mater—they are positioning alumni as active agents in Trent's future. By fostering meaningful relationships and strengthening a global network of advocates, mentors, and supporters, Trent is enhancing its capacity to thrive as a leading academic institution and dynamic global community.

The progress detailed here underscores the transformative potential of purposeful alumni engagement as a catalyst for growth, sustainability, and impact.

Trent alumni population at a glance:

67,612 living in 134 countries
95% reside in Canada
14% reside in Peterborough
89% reside in Ontario
66% are under the age of 45
34% are over the age of 45

Priority 1: Strengthen alumni connections through strategic campus collaborations

This year, Trent University placed deliberate emphasis on recognizing and activating the full value alumni bring to the institution—not only as ambassadors and advocates, but as strategic partners embedded across academic and operational priorities. A key focus was fostering meaningful, cross-departmental collaboration and formally including alumni in initiatives such as academic program reviews. These efforts directly address key findings from the Alumni Review, which calls for greater alumni visibility, integration, and engagement across the University. Examples of the work undertaken his year includes:

Student Recruitment

Trent deepened alumni involvement in both domestic and international recruitment strategies, in close partnership with enrolment teams. Alumni served as powerful advocates, sharing their personal Trent stories at recruitment events in Toronto, London (Ontario), Kingston, Ottawa, Hong Kong, and Turkey—as well as at the University's inaugural Scholarship Competition. Through both in-person presence and digital storytelling, alumni brought to life the lifelong value of a Trent education, significantly enhancing our appeal to prospective students and families. These efforts underscore the growing strategic role of alumni in influencing enrollment decisions and expanding Trent's global reach and reputation.

Durham GTA Campus Engagement

In celebration of the 50th anniversary of Trent Durham GTA, the University launched a renewed, dedicated annual alumni event tailored specifically to the Durham campus community. The inaugural event welcomed **75 alumni, representing graduates from each of the five decades since the campus was established**. Notably, **42% of attendees graduated within the past 10 years**, advancing the University's goal of engaging younger alumni and fostering lasting connections.

Developed through a collaborative and consultative process, the event reflects the distinct identity, voices, and pride of Durham alumni. By involving a diverse cross-section of students, faculty, staff, and alumni in the planning process, the initiative exemplifies Trent's commitment to inclusive, place-based alumni engagement.

This approach not only deepened connections with Durham graduates but also reinforced a broader institutional priority: co-creating meaningful, relevant alumni programming rooted in shared experience and campus culture. It stands as a model for how cross-campus collaboration can deliver authentic engagement that resonates with alumni and strengthens the fabric of the university community.

Colleges

This year saw strong momentum in alumni engagement across the colleges, driven by deeper collaboration and college-specific initiatives. Alumni continue to express strong affinity for their colleges, and College Principals have been highly engaged in fostering these connections.

The Alma Matters newsletter was revitalized and segmented by college, featuring tailored storytelling and calls to action. Signature events such as Gzowski Petting Zoo at Head of the Trent (400 attendees), Traill 60th Alumni Dinner (120 attendees), and the sold-out Traill Lift Lock Cruise (70 attendees) exemplified this momentum. Alumni also participated in Scarving Ceremonies, Lady Eaton College Seeley Luncheon and the Last Lecture, and continue to play an active role through the Lady Eaton College and Otonabee Alumni Advisory Committees.

A standout initiative from Lady Eaton College—a playful "spot the plush toad" contest—sparked alumni engagement and nostalgia, highlighting the creativity and connection fostered through college-specific outreach.

Priority 2: Inspire students to become better engaged as future alumni.

Trent University continues to invest in early and purposeful alumni engagement by creating meaningful student experiences that lay the foundation for lifelong connection. These efforts are designed to inspire students to see themselves not just as future graduates, but as enduring members of the Trent alumni community. Programming examples include:

Career Development & Mentorship: Life After Trent

Career mentorship and networking opportunities consistently rank as top priorities among recent graduates, while many established alumni express a strong desire to give back by mentoring the next generation. Recognizing this, Trent has prioritized the development of programs that foster career connections and mentorship—beginning early in the student journey.

A leading example is Life After Trent: Career Conversations, a collaborative initiative between Careerspace and Alumni Engagement & Services. This series offers students accessible forums to connect with alumni, faculty, and community members around shared career pathways. In 2024–25, nine events were delivered throughout the academic year, featuring **20 alumni speakers** and covering a range of fields—from the Swansea Law dual degree and Master of Management program to pathways through the School of Business.

These sessions offer more than just professional insight—they reinforce the value of the Trent network and demonstrate to students that Trent's support extends far beyond graduation. For alumni, the program offers a rewarding way to stay involved and give back in a manner that directly supports student success and strengthens the alumni-university relationship.

Convocation

Convocation remains one of the most powerful opportunities to inspire lifelong engagement. It marks a pivotal transition from student to alumni and represents an ideal moment to build institutional pride, connection, and belonging.

In 2025, Trent celebrated its largest-ever graduating class—**2,659 students in Peterborough across 13 ceremonies, and an additional 1,098 graduates in three ceremonies at the Durham GTA campus**. Convocation spaces were thoughtfully designed to be celebratory and welcoming, with Alumni Engagement and Services staff playing a visible role in onboarding new graduates into the Trent Alumni Family.

Aligned with the theme Your Future is in Bloom, the experience included vibrant décor, interactive photo opportunities, and direct outreach to encourage digital engagement. Graduates were invited to wear their alumni pins, follow Trent Alumni on social media, and download the newly launched Trent Alumni Perks app—a digital alumni card and engagement tool. Early adoption was strong: **more than 200 new graduates** downloaded the app on-site during just two ceremonies, an encouraging sign of early connection and interest.

This momentum extended to Trent's digital platforms. Strategic social media content during convocation week resulted in significant growth and engagement, including:

- **17,200 views** for a video featuring President & Vice-Chancellor Cathy Bruce and Chancellor Stephen Stohn '66

- **19,900 views and 1,620 likes** for a viral post featuring alumni Todd Anthony Tyler ’88
- **281 new Instagram followers** gained during and immediately following convocation week

These results reflect not only increasing interest from new graduates but also growing alumni visibility across Trent’s broader community. The integration of digital tools, personalized messaging, and joyful, shareable moments is helping build early emotional connection—critical to long-term alumni engagement and stewardship.

By investing in these touchpoints—career mentorship, convocation, and digital onboarding—Trent is laying the groundwork for a deeply engaged alumni network. These efforts are already helping to cultivate graduates who are more likely to stay connected, contribute their time and expertise, and support the institution’s continued growth, reputation, and impact.

Priority 3: Provide alumni engagement opportunities that reflect revolving needs and interests

Central to effective alumni engagement is a clear, compelling value proposition—one that recognizes the diverse and evolving interests, identities, and life stages of Trent graduates. Alumni are most likely to remain connected, contribute, and advocate for Trent when they experience personal relevance and tangible benefits in their relationship with the University. Whether through affiliation with a college, academic program, varsity team, or meaningful mentorship, it is critical that our engagement offerings reflect the varied ways alumni relate to their Trent experience.

By aligning programs, communications, and services with alumni needs and milestones throughout the lifecycle—from recent graduates to long-standing supporters—Trent fosters authentic, lasting connections. This approach enhances alumni satisfaction and loyalty, while simultaneously advancing institutional priorities such as student recruitment, philanthropy, and community impact.

<u>Alumni Benefits</u>

The introduction of new alumni benefits at Trent University has generated exceptional interest, quickly becoming one of the most visited pages on the alumni website. The University regularly receives inquiries from alumni—many of whom had not previously engaged with Trent—seeking details about discount codes and benefit offerings. This heightened interest reflects the strong value alumni place on tangible, personalized engagement.

These benefits address a broad spectrum of alumni needs: from professional discounts and career resources for recent graduates, to continuing education and networking opportunities for mid-career alumni, and lifestyle perks and community involvement options for retirees. This diverse suite of offerings recognizes that alumni engagement must evolve alongside their changing priorities.

A recent example is the promotional reel for the campus bookstore discount shared on the Trent Alumni Instagram feed, which garnered an impressive **18,600 views, 356 likes, and 39 shares**—demonstrating growing enthusiasm and engagement.

In 2024–25, Trent launched the Trent Alumni Perks app—a centralized digital alumni card providing easy access to exclusive discounts, contests, event registration, and the alumni business directory. Introduced at the 2025 Convocation, the app offered new graduates an immediate and meaningful alumni benefit, with **over 1,000 registrations within three days of launch**. This platform significantly enhances the accessibility and visibility of alumni offerings while fostering ongoing connection to the Trent community.

By delivering meaningful, accessible benefits, Trent University is successfully re-engaging previously inactive alumni and strengthening long-term relationships. Eight new benefits were introduced this fiscal year alone, reinforcing the growing value of belonging to the Trent alumni community.

Awards

Alumni awards hold deep significance, representing both personal milestones and institutional validation of graduates' impact. Honouring alumni achievements strengthens their pride in the Trent community, inspires current and future students, and publicly elevates Trent's reputation by showcasing the global influence of its graduates.

This year's Trent Alumni Awards celebration was a vibrant, community-focused event attended by faculty, students, past recipients, and families—including alumni from as far as British Columbia and Louisiana. **Six of eight awardees were present alongside 106 guests**, with President Cathy Bruce and Vice Chair Krista Scaldwell '86 affirming the University's commitment to alumni as lifelong members.

The event featured an original award design by Trent alumna Ashley Thompson, a Kanien'kehaka (Bear Clan) beadwork artist from the Akwesasne Mohawk Territory. Each award, intricately crafted with nearly 3,000 beads, reinterpreted the iconic Trent Crest, symbolizing the connection between tradition and contemporary alumni achievement.

A particularly poignant moment honored the late John Horgan '79, whose family accepted his award posthumously. The Trent Alumni Award was prominently displayed during his national memorial broadcast on CBC, underscoring the emotional and symbolic power of the alumni program to celebrate individual legacy and contribute to Trent's institutional narrative.

Regional Events

As part of the Strategic Plan's implementation, Trent University has prioritized expanding in-person programming in key regions to strengthen alumni connections and promote lifelong engagement through accessibility and regional identity.

This year's London, UK Chapter event attracted **30 alumn**i, marking one of Trent's most demographically diverse international gatherings, with a **majority of attendees under 40**. In Vancouver, Trent collaborated with volunteer leaders to relaunch the West Coast Chapter, hosting a vibrant social event attended by **49 alumni** from multiple graduating years. Both events were also attended by the University President, underscoring Trent's commitment to fostering meaningful alumni engagement both locally and internationally.

Priority 4: Engage alumni through purposeful, impactful, and relevant communications.

Trent University has significantly enhanced the effectiveness and reach of alumni communications by adopting a strategic, data-informed approach. By analyzing key engagement metrics such as click-through rates and audience behaviors from the Alma Matters newsletter, we have identified content themes that resonate most deeply with alumni—particularly those highlighting research, community impact, and lifelong learning. These insights have directly informed a refined content strategy designed to foster deeper, more meaningful alumni engagement.

Holiday Gift Guide

A notable example of this value-driven approach is the Holiday Gift Guide, created to support alumni entrepreneurs and celebrate their achievements. This initiative generated reciprocal engagement opportunities and strengthened community pride, achieving one of our **highest engagement rates to date at 40%**. The guide also provided a platform to spotlight the Trent Shoe Campaign, promote the Trent Bookstore, and share inspiring alumni stories.

Alma Matters e-Newsletter

In 2024, Alma Matters was re-launched as a visually engaging, reader-centric e-newsletter segmented by college affiliation. The redesigned format prioritizes scannability and visual storytelling, **resulting in a 92% increase in average click rate—from 1.81% to 3.47%**—when comparing editions before and after the redesign. This measurable improvement demonstrates stronger content engagement and a more intuitive user experience, supporting broader institutional goals of deepening alumni connection and brand loyalty.

Digital Engagement

Digital engagement grew substantially in 2024, particularly through social media channels. **Instagram followers increased by 66%, and overall reach expanded by 152%, attracting over 88,000 unique visitors.** This growth reflects our enhanced ability to connect with alumni through timely, compelling content, with students and young alumni aged 18–34 emerging as our most actively engaged audience segment.

This momentum was fueled by innovative use of trending content formats, including reels such as "HOTT," (Head of the Trent) "Gen Z," and "Trent Shoes." Two high-profile campaigns—the Taylor Swift Contest and the Trent Shoe Contest—drove exceptional

engagement. The Taylor Swift Contest alone attracted **264 new followers, 1,562 shares, and 4,850 entries. Importantly, 81.65% of participants updated one or more pieces of personal contact information**, improving the accuracy of alumni records and strengthening our capacity for long-term relationship-building.

Upcoming Digital Enhancements

In September 2025, the University will launch a new Trent Alumni website—marking a significant milestone in our ongoing digital transformation and commitment to modern, accessible, and engaging alumni communications. The new site will serve as a centralized hub for news, events, benefits, giving opportunities, and alumni storytelling, showcasing the global impact of the Trent community.

Designed to reflect the diversity of Trent's 67,000+ alumni and their evolving interests, the platform will support personalization, mobile responsiveness, and enhanced accessibility. Together with the Trent Alumni Perks app and the new digital alumni card, this launch will advance alumni services—enabling easy contact updates, access to volunteer opportunities, business directories, career resources, and more.

These digital innovations reinforce the message that the Trent experience extends beyond graduation, fostering a lifelong, meaningful relationship between alumni and the University.

Priority 5: Embody the principles of equity, diversity, and belonging

Trent University has demonstrated leadership in inclusive alumni engagement through a thoughtful and intentional strategy focused on co-creating programming for its 2SLGBTQIA+ alumni community. Recognizing the need for greater representation and trust-building, the University initiated a collaborative consultation process involving key stakeholders across the Trent community. This inclusive approach prioritized diverse perspectives to ensure programming that is both authentic and relevant.

The inaugural event—a panel discussion—received strong community support, attracting **60 alumni registrants** with additional demand placing many on a waitlist. The event also included participation from students, staff, and community members, demonstrating broad engagement across Trent's network. Building on this momentum, a follow-up event held later in the month saw **27 registrations within the first 24 hours**, signaling increasing interest, trust, and active participation within this community.

Further amplifying these efforts, Trent engaged alumni leaders such as Beyond the Bow, an alumni-led initiative, which created original social media content supporting Pride programming. Their Instagram reel reached **5,500 views and generated significant engagement—87 likes, 4 comments, and 12 shares**—expanding visibility and underscoring the importance of this inclusive work.

These initiatives exemplify Trent University's strategic, values-driven approach to alumni engagement—one that acknowledges the rich diversity within its alumni

community and actively fosters spaces where all alumni feel seen, heard, and connected.

Future Plan

In the year ahead, we will prioritize rebuilding connections with “lost alumni” (those with whom we have no contact information) —especially those from International, Indigenous, and Athletics communities—through targeted, relevant communications and the introduction of Alumni Perks. These initiatives are vital to cultivating a more inclusive and representative alumni network, enhancing the accuracy of our data, and reinforcing lifelong bonds with Trent. Currently, our contactability rate stands at 71%, and we are committed to increasing this by 5%. According to the Council for Advancement and Support of Education, maintaining 85-90% contactability is a recognized benchmark for a healthy alumni database. By re-engaging lost alumni, we not only foster a stronger sense of community, but also create a foundation for increased participation in alumni programs and future philanthropic contributions that support the university’s mission.

Guided by the principles of equity, diversity, and belonging, we will co-create meaningful, culturally respectful programming with Indigenous alumni, faculty, and community members. This work reflects Trent’s commitment to reconciliation and our responsibility to honour Indigenous voices in institutional life. Building authentic, long-term relationships with Indigenous alumni contributes to a stronger, more inclusive university community and supports engagement that can evolve into collaboration, mentorship, and philanthropic investment aligned with shared priorities.

Board Report

Session: ☐ Closed Session; ☒ Open Session
Action Requested: ☐ Decision; ☐ Discussion/Direction; ☒ Information

To:	Board of Governors
Date:	June 20, 2025
Presented by:	Julie Davis, Vice President, External Relations & Development Sherry Booth, Associate Vice President, Philanthropy & Alumni Engagement
Subject:	Annual Report on Philanthropy

Motion for Consideration (if applicable):

That the Board of Governors receive this report for information.

Executive Summary:

The *Momentous Campaign* has continued to build momentum since its launch, with an ambitious goal of raising $100 million. In this milestone year – Trent University's 60th anniversary – the Campaign has surpassed the $60 million mark, reaching over $62 million in total contributions.

This comprehensive campaign spans the entire University, with support directed to both campuses, all colleges, student support, campus infrastructure, and a wide range of academic and research initiatives. The breadth of impact reflects the Campaign's integration into the fabric of Trent's mission and vision. The *Momentous Campaign* is truly consequential to the future of the University.

This report provides an overview of the Campaign's progress and the impact since its inception. Like most major fundraising efforts, the *Momentous Campaign* has unfolded in two phases: a silent phase and a public phase. The silent phase allowed for the careful development of goals, cases for support, the Momentous website, and infrastructure, including recruiting leadership, volunteers and ambassadors. With these foundations in place, the Campaign entered its public phase in March 2023.

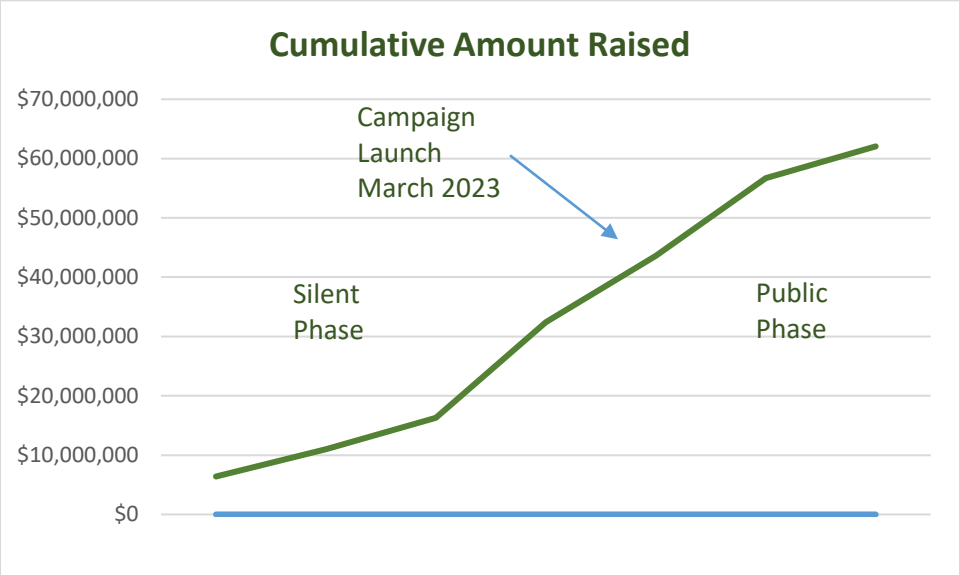
The Campaign's objectives are aligned with Trent's long-term goals: to support academic achievement and scholarship, to maintain vibrant campuses, and to ensure our financial sustainability.

Philanthropy's influence can be seen across the University, underscoring its transformative role in shaping Trent's future. With approximately $37 million remaining to reach the Campaign's goal, the final phase is well underway. Recent efforts have been bolstered by the engagement of KCI consultants, who have expanded our

prospect pipeline with new potential donors, including individuals with the capacity to name one of our prestigious schools.

Analysis/Alternatives Considered:

Currently the total raised from the *Momentous Campaign* is $62.05 Million. The chart below demonstrates the philanthropic momentum over time.



Below are a few highlights of our *Momentous Campaign* based on the three pillars: Leadership, Futures and Places.

a) Trent inspires **Momentous Leadership** through bold ideas, rigorous inquiry and dedication to creating a better future through social innovation and entrepreneurial vision. We cultivate leaders who shape the narrative in critical areas, challenging conventional thinking and inspiring others to engage in daring, visionary solutions.
    - The Jarislowsky Chair in Political Leadership and Trust, experiential learning opportunities and career building
    - Nursing Mobile Health Unit provides access to health services and experiential learning opportunities
    - Wilder Fund for Canadian Studies, Digitizing Canadian History in the Archives
    - Support for Trent Community Based Research Centre
    - Indigenous Mentorship Opportunities
    - Environmental Stewardship through the Trent Lands Plan
    - Aquatic Research on local ecosystems
    - Centre for Teaching & Learning – Universal Design for Learning

b) **Momentous Futures** thrive when students are empowered to pursue their academic and personal aspirations, free from financial barriers and supported by a community that nurtures them.
    - Mary Snack Scholarship (School of Business)
    - Fornasier Prestigious Award (Trent Durham GTA)
    - Jerry Couglan Scholarship (Trent Durham GTA)
    - Joyce Family Foundation Bursary (Allows access for disadvantaged)
    - RELI Initiative (Emergency IT support during Co-Vid)
    - Food Gift Cards for students experiencing food insecurity
    - Bill Reid Indigenous Scholarship
    - Green & White Varsity Athletic Scholarships
    - International Scholarships
    - Domestic Scholarships
    - Board of Governors Leadership Scholarship
    - Bursary support for refugees
    - Anthropology Prizes
    - The Trent Fund
c) **Momentous Places** at Trent have the power to ignite community action, meaningful connections, and innovation. Trent's campuses are more than just buildings; they are integral to the experiences, conversations, and research that happen within them.
    - Trent Durham GTA new residence and academic space
    - Clean Tech Commons
    - Gidigaa Migizi College capital development
    - Trent Research Farm, Lightbody Drive Shed, Tractor, Greenhouse, Water Well
    - Climate Change Monitoring Station
    - Colleges: Jalynn Bennett Amphitheatre, Traill College Senior Common Renewal, Lady Eaton College Music Room, Scott House 105 Lecture Hall, Otonabee's new Wilder Place (K-House)
    - Rowing Sculls, varsity team supports and recreational equipment
    - Breastfeeding Room
    - Trent Durham Medicine Garden and Tipi
    - Study for the development of a Roundhouse
    - Ablution Station for Muslim Community
    - Public Sculpture Initiative (both campuses)
    - Patterson Ainsley Collection (both campuses)
    - Carl Beam Indigenous Art Collections (both campuses)

Financial Implications:

Below are financial highlights and impact areas.

Campaign Impact Overview

- **Total Supporters:** 5,162 individuals, corporations & foundations
- **Total Gifts:** 31,307

- **Monthly Donations & Upgrades:** 359
- **New Endowed Funds Created:** 109
- **Total Students Supported:** 9,659

Financial Highlights

- **Endowment Growth:** From **$61.7M** to **$112M**
- **Trent Fund Support: $1.28M**
- **Average Alumni Gift: $689** (vs sector average of $529)
- **Current number of Legacy Society Members: 305** estimated value of **$29M** through estates

Retention, Loyalty and Participation

- **High Retention Rate:** 70% (vs sector 63%)
- **High Loyalty Rate:** 48% of donors given for 5+ years (vs sector 32%)
- **Faculty & Staff Participation Rate:** 10%*
- **Retiree Participation Rate:** 12%*

*****Participation Rate is measured based on # of supporters divided by the size of the constituency base.

Outreach & Events

- **Alumni Base:** >67,000 (includes June 2025 graduates) in 134 countries
- **Eblasts sent in 24/25:** 150 different eblasts sent to over 1.1 million emails
- **Events hosted in 24/25:** 55 events with 2,643 registrants (includes all events registered on Netcommunities: community lectures, alumni events, campus functions, etc.)
- **Alumni and Momentous Website visits:** ~ 250,000

Enterprise Risk Assessment:

The success of our *Momentous Campaign* strengthens Trent's profile and reputation.

The current fluctuations in the global economic environment are causing insecurity in individuals' financial situations. The impact of tariffs and changes to trade have not yet fully materialized, leaving further uncertainty. Donors may choose to pause, delay or cancel support if the effects impact their own circumstances.

Next Steps:

✓ Communications about the Campaign's success to date will be shared through various channels.
- News Release about the Momentous Campaign surpassing $60 Million Milestone
- 2025 Momentous Campaign Comprehensive Impact Report
- Annual Stewardship Reports to donors
- Bi-Monthly Philanthropy Matters – June Issue

✓ Priorities determined for the balance of the campaign
✓ Success Strategy in place to complete the campaign

Alignment with Mission, Vision, Values, Strategic Plan:

Philanthropy plays a vital role in advancing the mission and vision of Trent University. As the President undertakes a revision of these foundational statements, it may be necessary to reassess and realign our philanthropic strategies to ensure continued relevance and impact.

The *Board of Governors Strategic Directions 2022-2027* outlines a clear commitment to fostering student success, advancing scholarship and securing a strong and sustainable future for the University. Philanthropic support remains a key enabler of these priorities.

Moreover, philanthropy is positioned to make a meaningful and lasting contribution to Trent's academic and research ambitions, reinforcing its role as a strategic driver of institutional excellence.

Consultation:

Philanthropy requires constant collaboration with our University partners. They include:

- Financial Aid
- Finance
- Graduate Studies
- Trent International
- Trent Durham GTA
- All Deans
- Research & Innovation
- CareerSpace
- Athletics
- All Colleges
- Trent Community-based Research Centre
- Marketing & Communications
- Heritage Committee
- Bata Library and Archives
- Others as needed

Compliance with Policy/Legislation:

Canada Revenue Agency (CRA) Charitable Tax Law Regulations and Guidelines
Canada's Anti-Spam legislation

Committee/Board Mandate:

The Trent University Board of Governors has a mandate to build the culture of philanthropy, service and engage alumni throughout the world to advance the University's Mission.

Supporting Reference Materials (attached):

Trent University Momentous Campaign Comprehensive Impact Report – Print copy will be available at the meeting.

Review Impact on *the Momentous Campaign* Website.