

NOTICE OF PUBLIC MEETING (PREVIOUSLY DEFERRED) Proposed Official Plan Amendment and Class III Development Permit

TAKE NOTICE THAT the Town is in receipt of a complete application for a proposed Official Plan Amendment, pursuant to Section 21 and a Development Permit pursuant to Section 70.2 of the Planning Act, R.S.O. 1990.

Planning Advisory Committee for the Town of Gananoque will hold a Meeting on TUESDAY, DECEMBER 9, 2025 at 6:00 P.M. in the TOWN OF GANANOQUE COUNCIL CHAMBERS, 30 King Street East, Gananoque to provide recommendations to Council on the concurrent applications below.

AND FURTHER TAKE NOTICE that the Council for the Corporation of the Town of Gananoque will hold a Public Meeting on TUESDAY, DECEMBER 16, 2025 at 5:00 P.M. at the TOWN OF GANANOQUE COUNCIL CHAMBERS, 30 King Street East, Gananoque to consider the following applications:

*The **TOLL-FREE PHONE NUMBER** and **ACCESS CODE** will be found on the meeting agenda, posted to the Town website at https://www.gananoque.ca/town-hall/meetings prior to the meeting.

File No. OPA8-25/DP2025-13

OWNER: AGNES & HARRIE TIEKEN APPLICANT: BETHANIE MATTHEWS

The property municipally and legally described as

145 RIVER STREET

PLAN 86 PT LOT 476 PT LOT;477 PT LOT 478 PT LOT 479 RP;28R8089 PART 1 TOWN OF GANANOQUE

has applied to the Town of Gananoque for an Official Plan Amendment (File No. OPA8-25) from RESIDENTIAL TO RESIDENTIAL EXCEPTION DESIGNATION TO PERMIT A FITNESS AND RECREATION FACILITY

AND

has applied to the Town of Gananoque for a Development Permit (File No. DP2025-13) to REDESIGNATE THE PROPERTY FROM RESIDENTIAL TO RESIDENTIAL EXCEPTION (R-XX) TO PERMIT A FITNESS AND RECREATION FACILITY

Note: Applications OPA8-25 and DP2025-13 are concurrent. DP2025-13 will be a condition for final approval of Official Plan Amendment application OPA8-25

Additional information in relation to the proposed **Official Plan Amendment** and **Development Permit** is available in-person for inspection between 8:30am - 4:30pm at the Town of Gananoque, 30 King Street East, Gananoque Ontario or on the Town website at https://www.gananoque.ca/town-hall/meetings, or by emailing assistantplanner@gananoque.ca or by calling Trudy Gravel 613-382-2149 ext. 1129.

Official Plan

If a person or public body does not make oral submissions at a public meeting or make written submissions to the Town before the proposed Official Plan is adopted, the person or public body is not entitled to appeal the decision of the Town to the Ontario Land Tribunal.

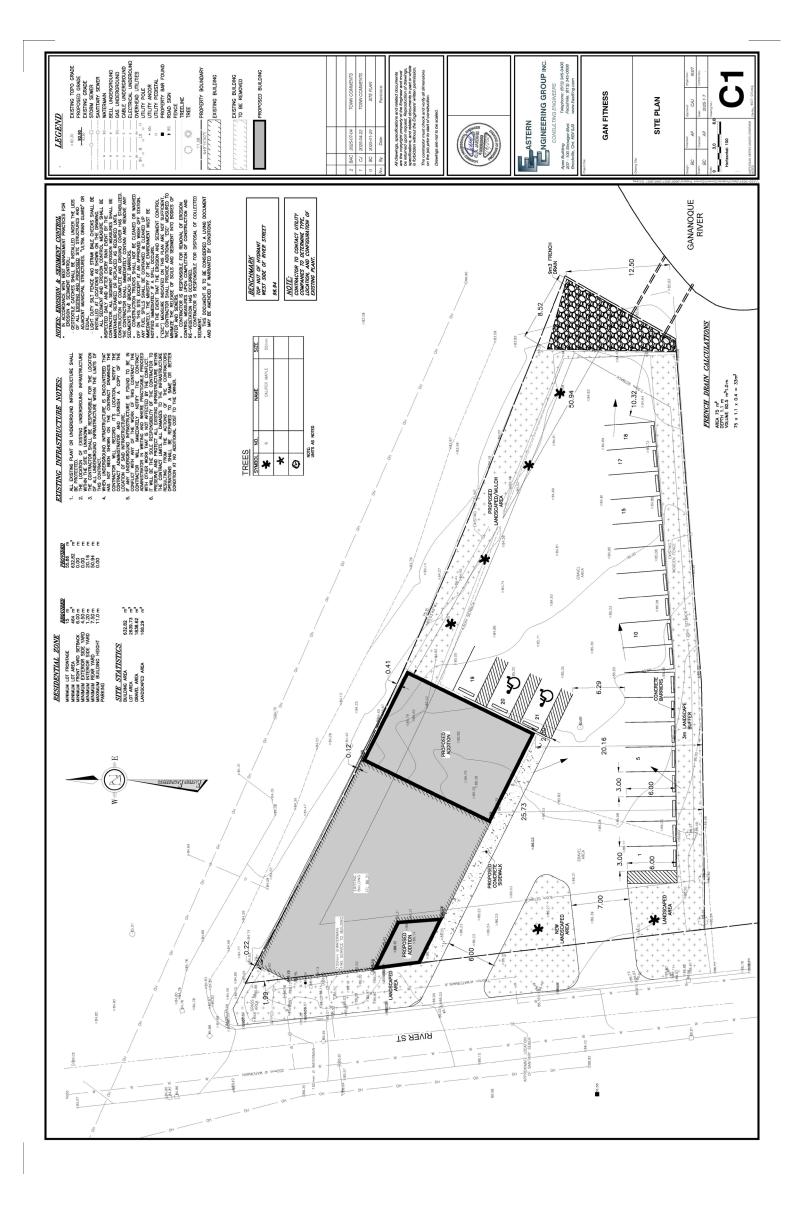
If a person or public body does not make oral submissions at a public meeting or make written submissions to the Town before the proposed Official Plan is adopted, the person or public body may not be added as a party to the hearing of an appeal before the Ontario Land Tribunal, unless in the opinion of the Tribunal, there are reasonable grounds to add the person or public body as a party. If you wish to be notified of the decision of the Corporation of the Town of Gananoque in respect to this proposed **Official Plan Amendment** and related amendments, you must make a written request to the Clerk for the Town of Gananoque, 30 King Street East, Gananoque, Ontario K7G 1E9, or by email to clerk@gananoque.ca.

Development Permit By-law

If you wish to provide comment or input in respect of the proposed **Development Permit** you may do so at the public meeting or in writing prior to the meeting. **Note**: Only the applicant of a **Development Permit** has a right to appeal a decision or non-decision on an application to the Ontario Land Tribunal where the application meets the requirements established through the official plan and development permit by-law.

DATED this 14th day of NOVEMBER 2025

Brenda Guy Manager of Planning and Development bguy@gananoque.ca 613-382-2149 Ext.1126



APPLICATION FOR OFFICIAL PLAN AMENDMENT

To amend the Official Plan under Sections 17 of the Planning Act

This application form MUST be accompanied with all the submission requirements in order to be considered a complete application. Incomplete applications will not be processed until all information is provided.				
 Complete application form signed including declaration of applicant Copy of the deed of property or offer to purchase and sale Application fee in the amount of \$1,600 (Fifteen Hundred Dollars) payable to the Town of Gananoque Deposit fee in the amount of \$2,000 (Two Thousand Dollars) payable to the Town for any peer reviews of various studies (By-law 2016-047). The owner/applicant is responsible for all peer review fees that the Town incurs in this regard and may be subject to additional invoicing. One scaled copy, one reduced 11 x 17 copy and one digital of the most recent survey of the subject property One scaled copy, one reduced 11 x 17 copy and one digital showing the boundaries and dimensions of the subject land as well as the area of the lands that are subject to the amendment. Plans are to be in a standard scale format (1:250 1:500) Official Plan Amendments may be subject to review and a separate cheque payable to the Cataraqui Region Conservation Authority. The Town of Gananoque recommends that you consult with a Conservation Authority Officer prior to making application 				
CONTACT INFORMATION Municipal Freedom of Information and Protection of Privacy Act – Personal Information on this form is collected under authority of The Planning Act and will be used to process this application.				
Name of Applicant:	Complete Address including Postal Code: Phone:			
Bethanie Matthews	343 Georgiana St, Gananoque, On, K7G1N1 613 929 9927			
	E-mail: ganfitness@outlook.com			
Name of Property Owner (if		Complete Address including Postal Code: Phone:		
different than applicant):	215 Marble Rock Rd, Gananoque K7G2v4 6133286653			
Agnes Tieken	E-mail: tieken	_ned@kingston.net		
Land Surveyor:	Complete Address include	ding Postal Code:	Phone:	
	E-mail:			
		NFORMATION		
Street or Property Address (if	• • •	Roll Number (if known):		
145 River St, Gananoque, O		081400001036	800	
	LEGAL DE	SCRIPTION		
Part of Lot 13, C	oncession 1, Town of Gar	nanoque in the United Co	unties of Leeds and Grenville	
Frontage (m/ft): D	epth (m/ft):	Lot Area:		
55.9		2640m2		
Current Official Plan Designation:		Residential		

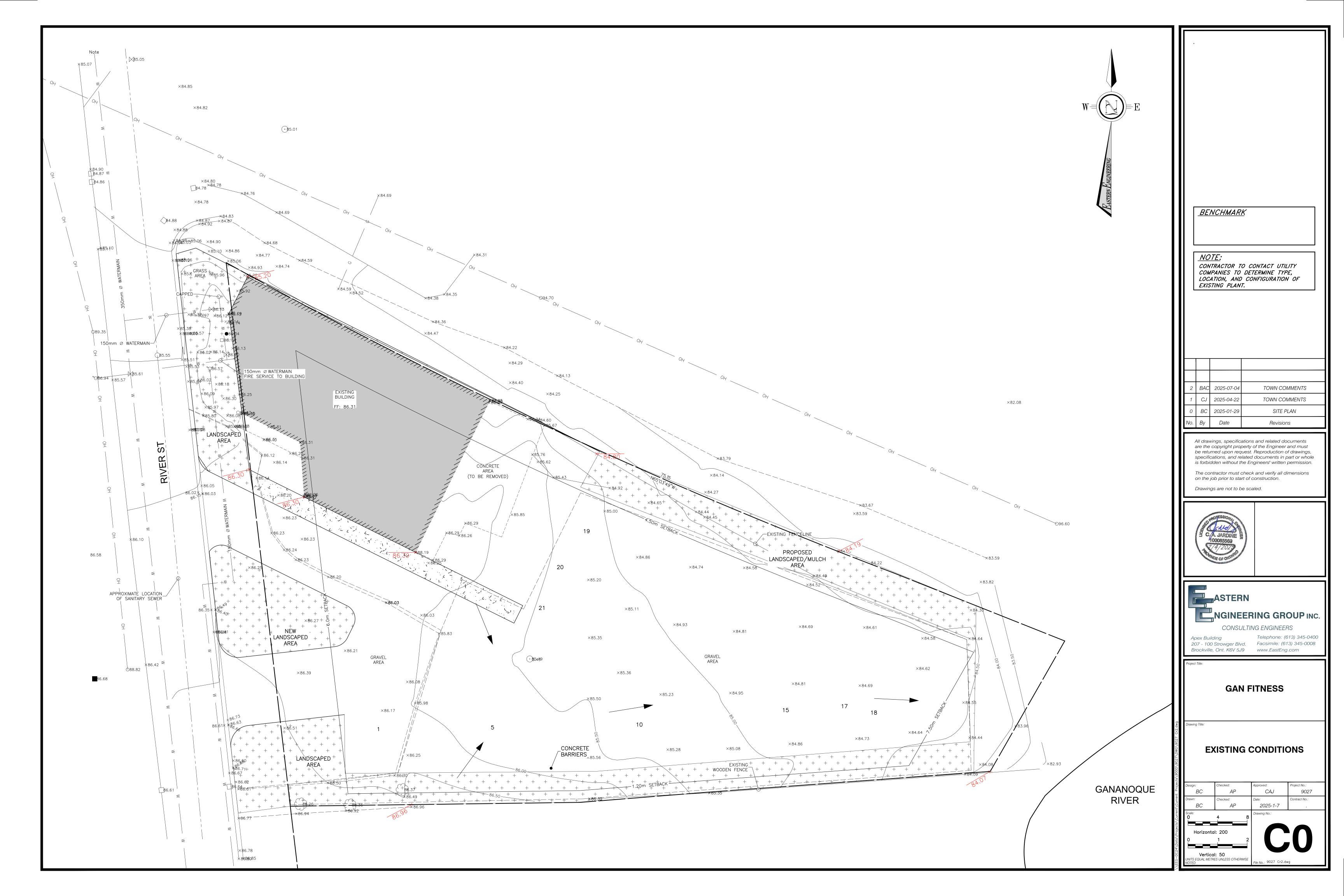
Proposed Official Plan Designation:	Residential Exception
Official Plan Policy (Existing):	The proposed amendment: Changes, a policy in the Official Plan Replaces, a policy in the Official Plan Deletes, a policy in the Official Plan
Description of affected property: The property is located on the east side of River Street and abuproperty line. The site has an area of approximately 2,640 squafrontage along River Street, and approximately 14.9 metres of currently developed with a one-storey commercial building locathe Gananoque Waterfront Trail. The commercial building was the site is gravelled and the east portion of the site slopes towaccess to the site is provided from River Street. Vehicular park existing commercial building.	are metres, with approximately 55.9 metres of frontage along the Gananoque River. The site is attentional to the content of the site is a second of the content of the cont
Official Plan Policy (Addition):	
NEIGHBORHOODS 3.2.2.1 Permitted Uses (Residential) "Permitted residential uses shall include the full range of dwellidensity apartment dwellings. In addition uses which compleme include home occupation uses, institutional uses such as school	og sustainable residential ng types from low density singledetached dwallings to high nt residential neighborhoods may also be permitted. These could ols, nursing homes, group homes and churches, open space mmercial uses such as convenience stores, community-oriented d breakfast establishments. Non-residential uses which are trol. Particular attention will be required to ensure that non of architectural design and intensity of use. s or adds a policy, state the purpose of the proposed
Effect of Proposed Amendment on Designation:	★ Changes, a designation of the Land Use
	Schedule of the Office Plan Replaces, a designation of the Land Use Schedule of the Office Plan
Name the designation proposed:	1
Residential Exception - 145 River Street, to permit a Community Oriented Fitness and Recreation Fa	cility as a neighbourhood commercial use.

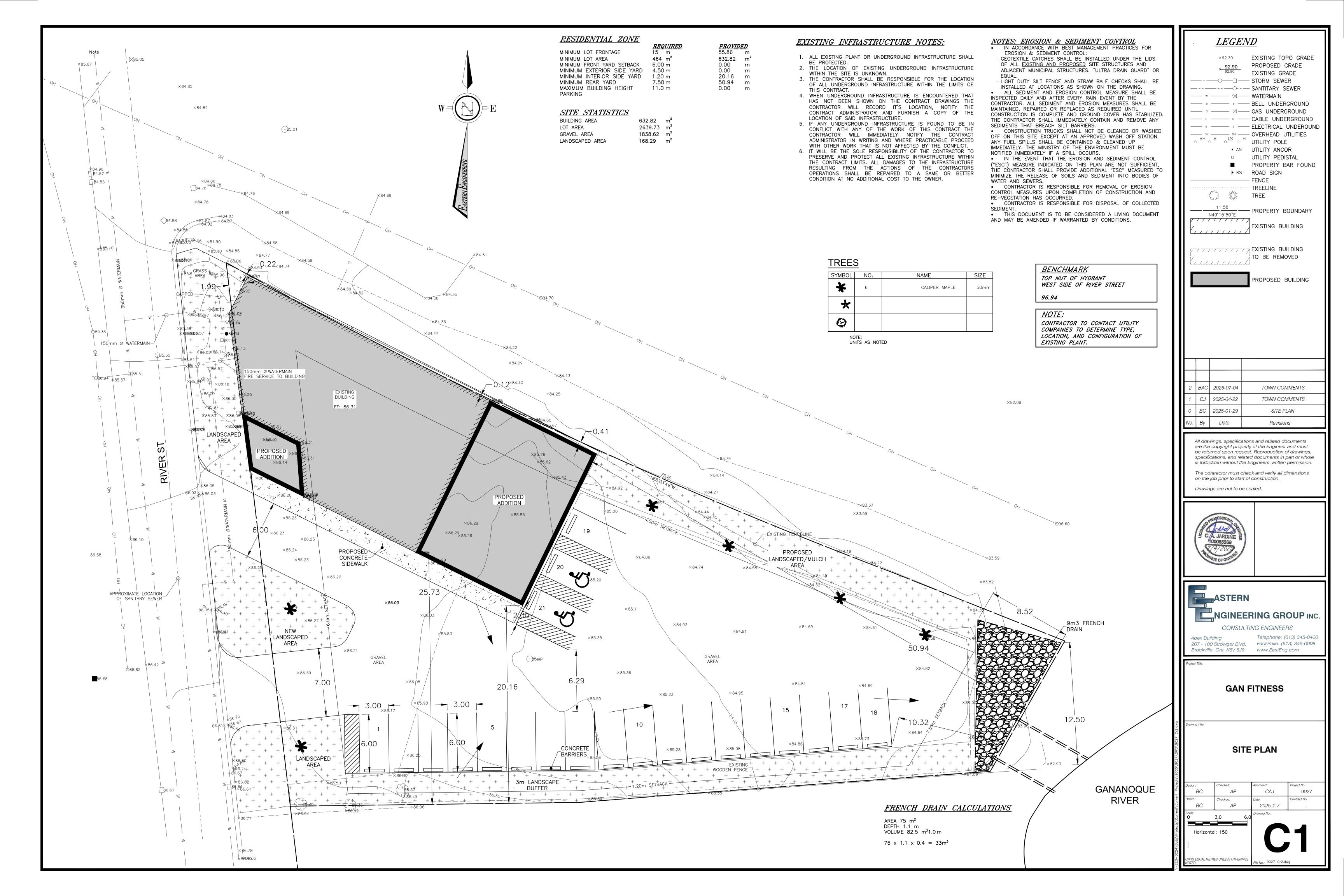
Application for Official	Plan	Amendment
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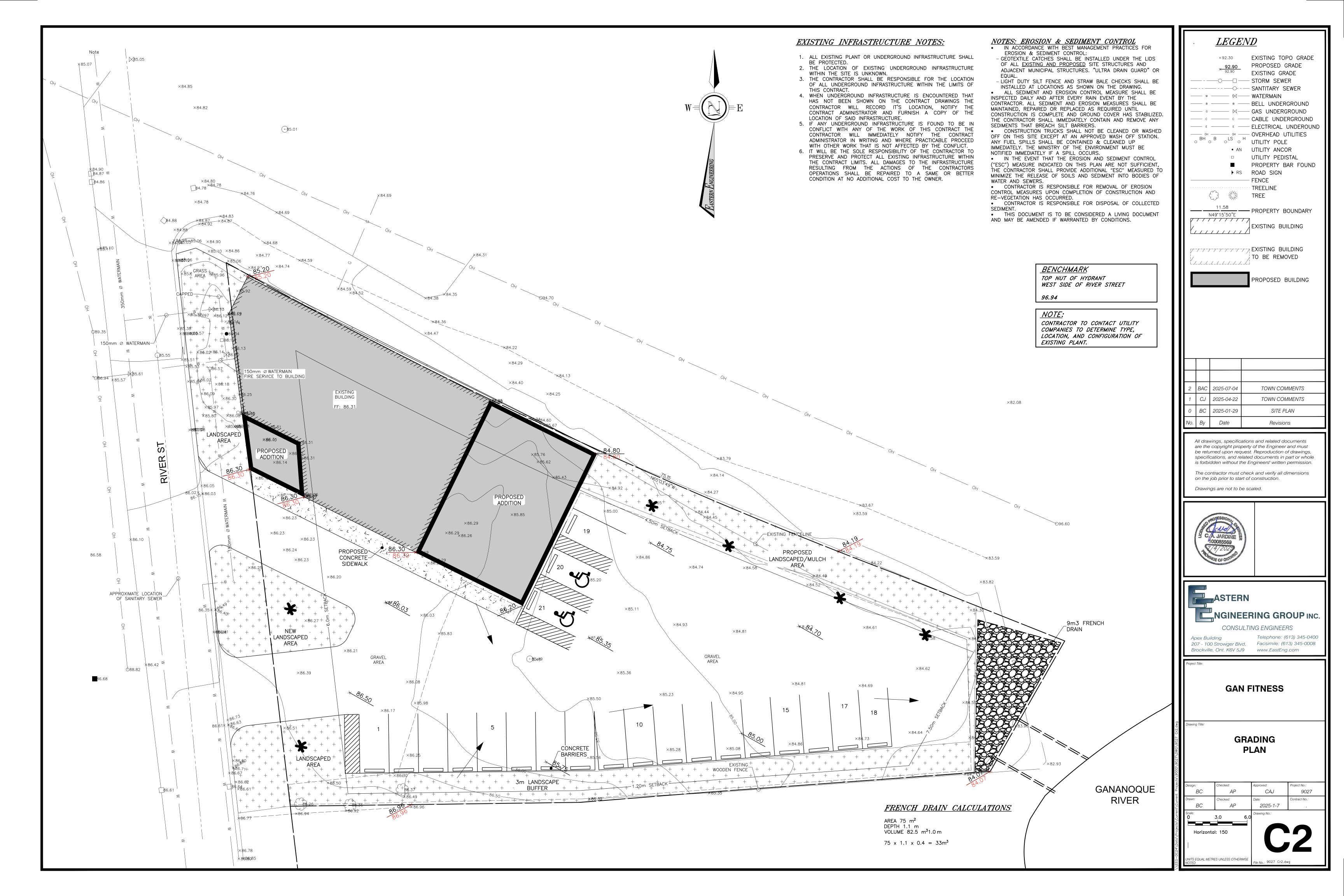
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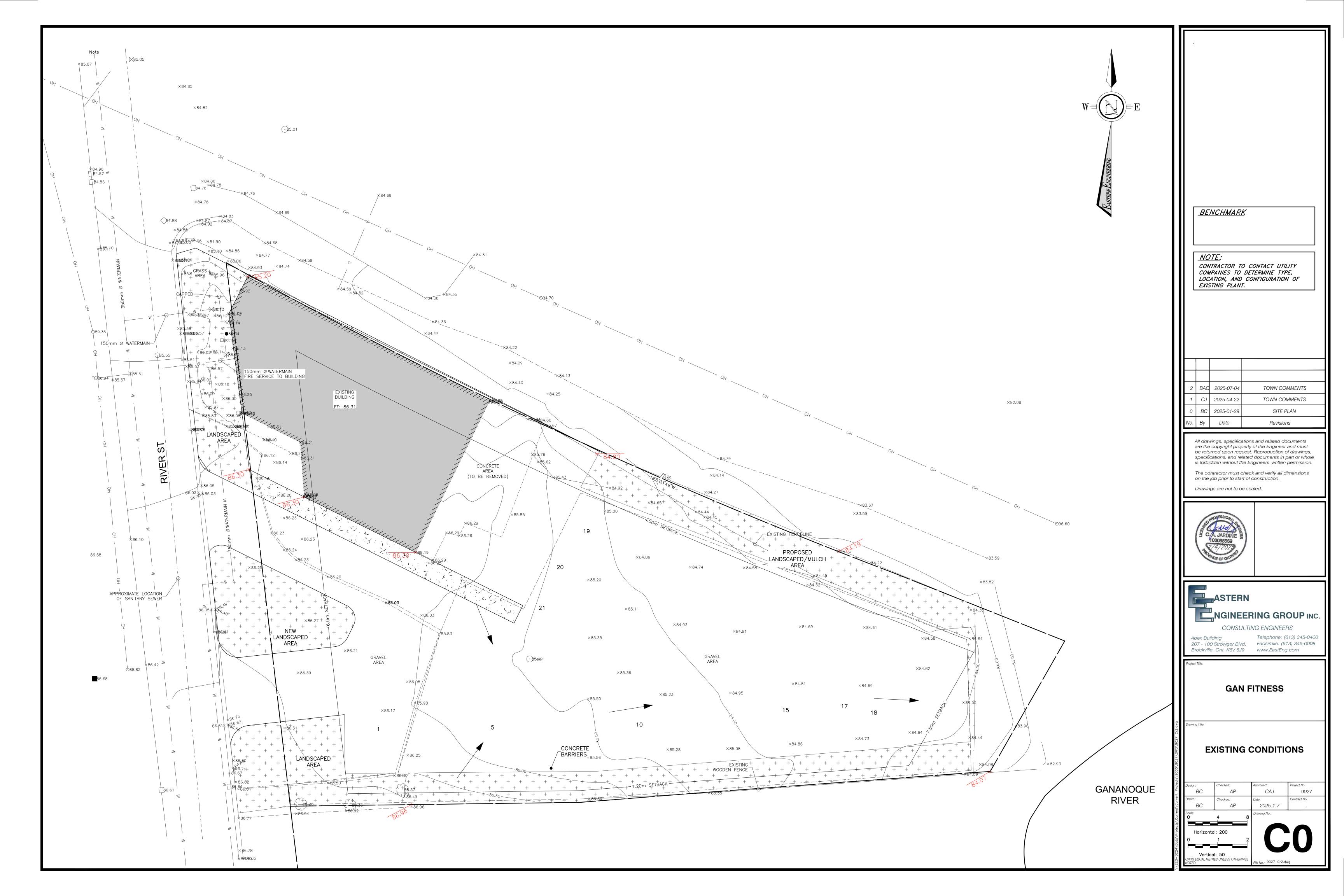
Is the subject property currently the subject of any other				
under the Planning Act such as a Development Permit, Consent or				
Approval of a Plan of Subdivision/Condominium? If Yes, please provide the file number of each application, and its status (add additional sheet if further space)				
is needed):	i, and its status (and additional shoot in faither space			
Type of Application	Official Plan Amendment			
Application File #	OPA8-25			
Status of Application	deferred			
Type of Application	Development Permit			
Application File #	DP2025-13			
Status of Application	deferred			
	UEICHICU			
Text – Proposed Amendment				
State the text of the proposed amendment if a policy in t	he official plan is being changed, replaced or deleted,			
or if a policy is being added to the official plan (add addit	tional sheet if further space is needed):			
see attached				
Where the proposed amendment changes or replaces a schedule in	the official plan, attach the proposed schedule and the text that			
accompanies the schedule.	the official plant, attach the proposed contesting the text that			
AUTHORIZATIO	N BY OWNER			
I/We, the undersigned being the registered ow	ner(s) of the subject lands, hereby authorize			
	ame) to be the applicant in the submission of this			
applica				
Furthermore, I/we, being the registered owner(s) of the	subject lands, hereby authorize Town of Gananoque			
members of Council, Committee of Council and Municip	al Staff, to enter upon the property for the purposes of			
conducting a site inspection with re	espect to the subject application.			
Agnes Tieken	Owner Manne (Dlanca Drint)			
Owner Name (Please Print)	Owner Name (Please Print)			
Signature of Owner	Signature of Owner			
_	-			
Signature of Witness (not applicant)	Date			
Signature or withess (not applicant)	שמכ			

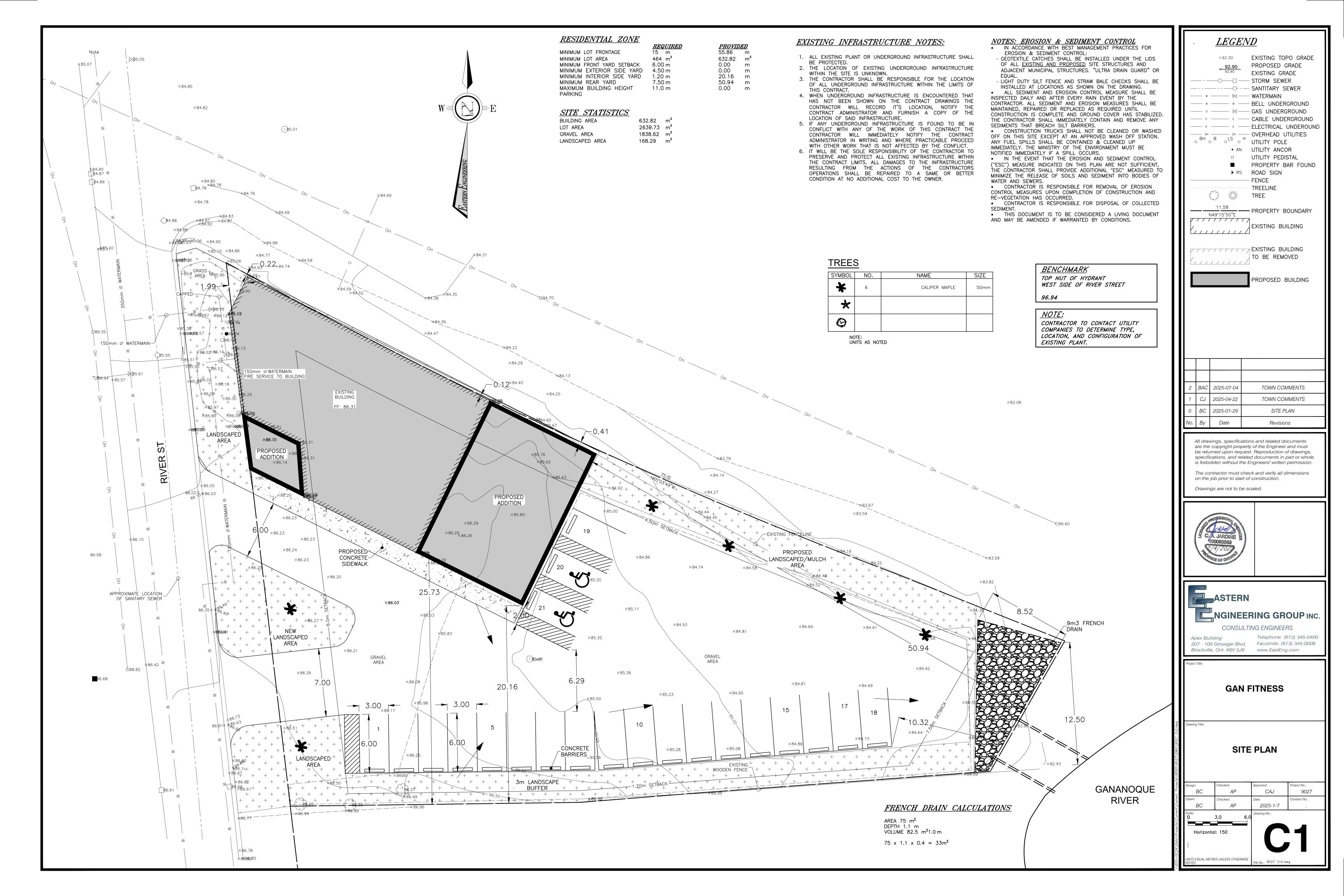
	CONSENT	BY OWNER		:
I/We, Agnes Tieken that is the subject of this applicatio Information and Protection of Priva public body, of any personal inform processing this application.	, (pri n for Development P cy Act. I/We hereby	int name(s) am/ar urposes and for p authorize the use	, or disclosure, to an	ny person or
Signature of Owr	ner		Signature of Owner	r
Signature of Witness (not	applicant)		Date	
	DECLARATION	OF APPLICANT		
(Print) I,Bethanie Matthews	_	O	Andrew Control of the	· i
provinc	e Ontai	rio S	olemnly declare that	
All of the above statements of conscientiously believing it to be Oat Declared/Sworn before me at this Break of Contains and the Corporation of Grand of Gra	e true and knowing the hand by virtue of <i>Th</i>	nat it is of the sam e Canada Eviden	e force and effect as	s if made under
Office Use Only:			Roll No: 08140000103	36800
Official Plan Designation:	Development Perm	it Designation:	Other:	
Residential	Residential			
Access (Entrance Permits etc):	Water and Sewer F (Permits etc):	łookup	Other:	
Other Concurrent Applications:				
Cash-in-Lieu Condominium	Consent/ De	evelopment	☐ Official Plan	Subdivision
of Parking Approval	Severance P	ermit Approval	Amendment	Approval
Date Application Received:	Date Application De	eemed	Fees Received:	
November 12, 2025	Complete:	40 0005	\$1600 Septe	mber 3, 2025
November 13, 2025	November	13, 2025	Anadox administration of a state of the stat	,

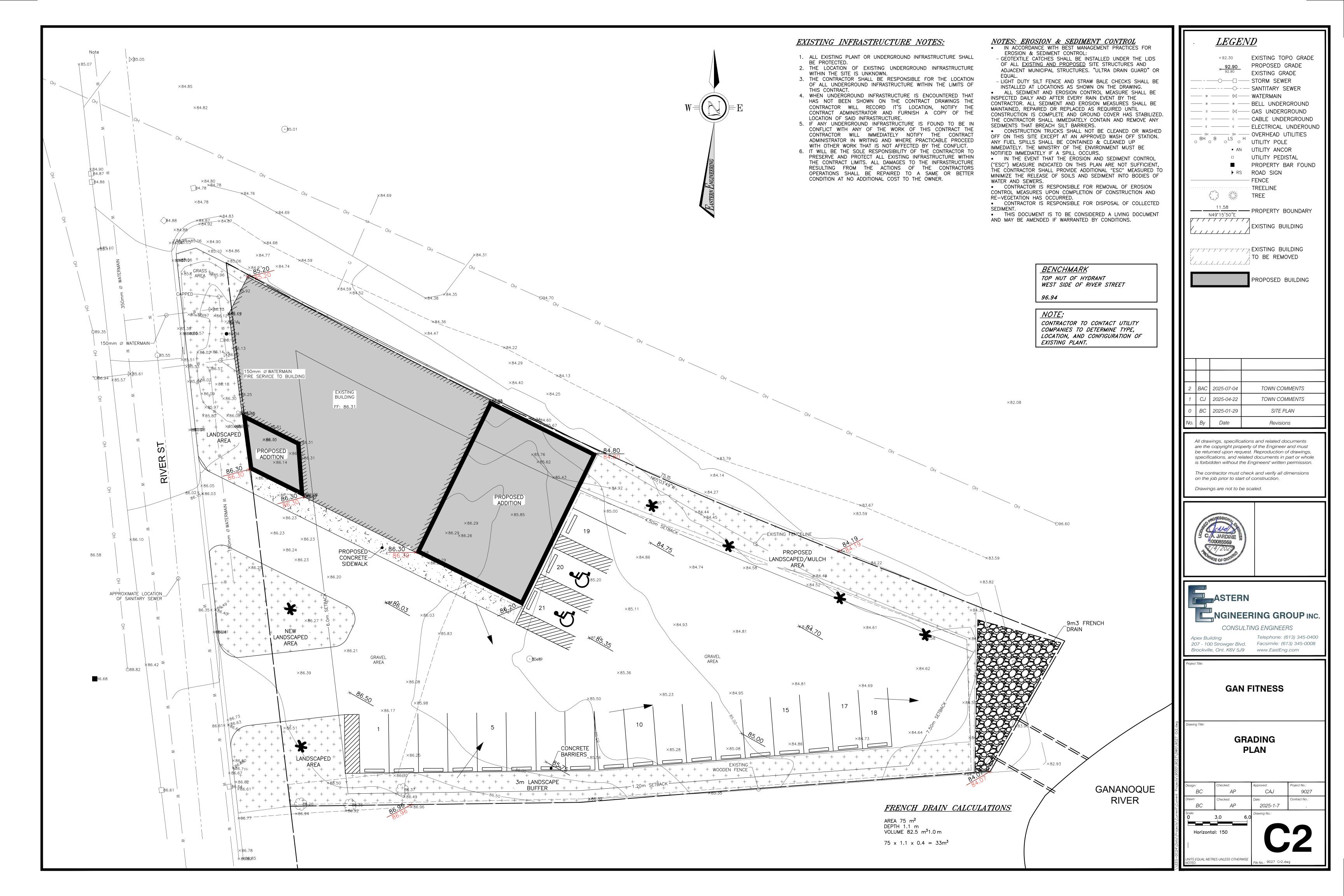


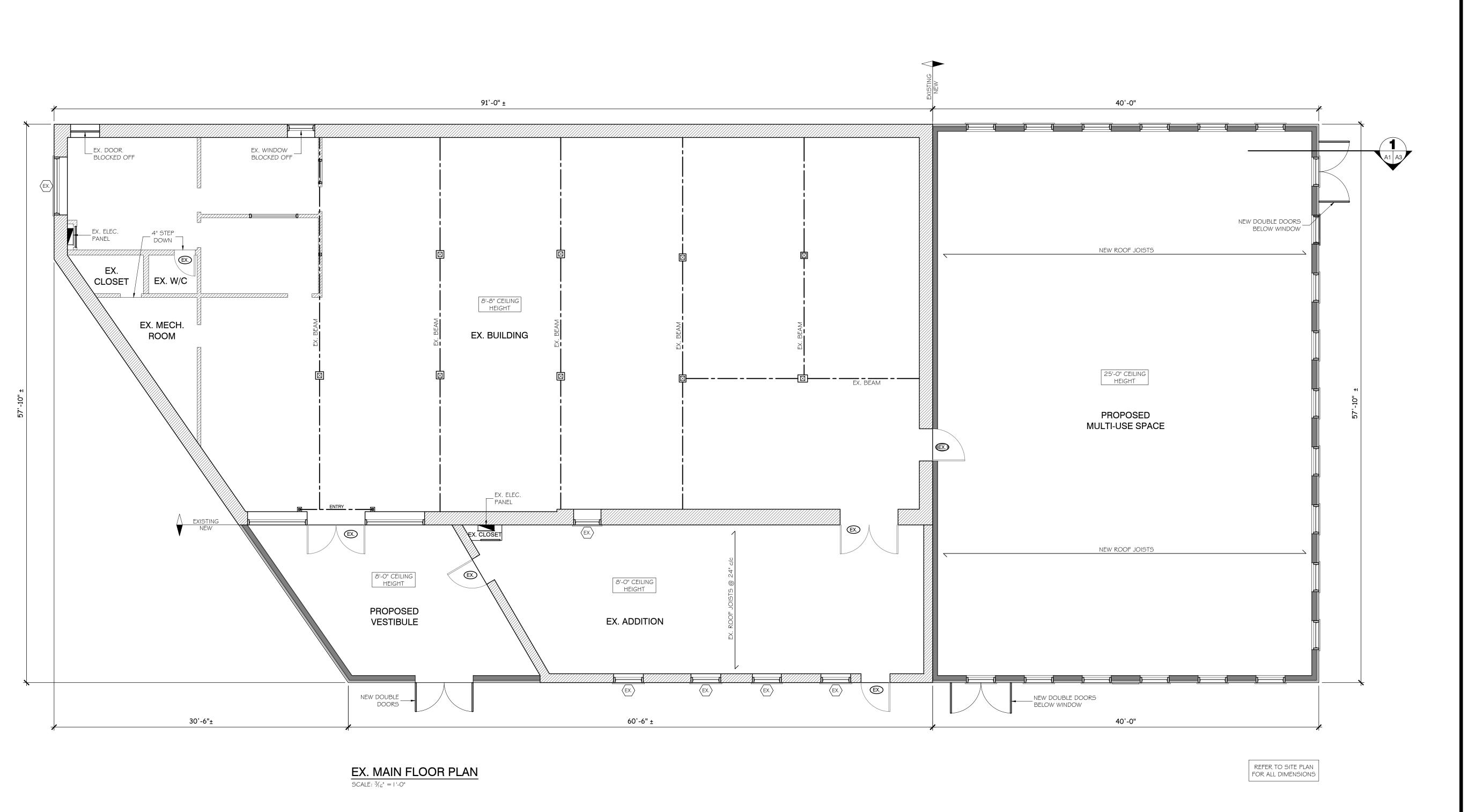












GENERAL NOTES

- CONTRACTOR TO VERIFY ALL DIMENSIONS PRIOR TO START OF CONSTRUCTION. ALL WORK TO BE DONE IN ACCORDANCE WITH
- THE 2024 ONTARIO BUILDING CODE. . THE CONTRACTOR SHALL REPORT ANY
- DISCREPANCIES FROM THESE PLANS TO THE DESIGNER FOR REVIEW AND/OR APPROVAL.
- THE CONTRACTOR IS RESPONSIBLE FOR THE SAFEGUARDING AND LOCATING OF EXISTING UTILITIES AND STRUCTURES ON SITE.
- INSTALL PRE-MANUFACTURED COMPONENTS AS PER THE MANUFACTURES RECOMMENDATIONS AND SPECIFICATIONS.
- WHERE NOT NOTED ON DRAWINGS, SPACING ON FRAMING MEMBERS TO BE TO THE LATEST
- EDITION OF THE ONTARIO BUILDING CODE. ALL WOOD FRAMING LUMBER SHALL BE
- GRADE-STAMPED AS SPF No.2 OR BETTER WITH
 A MOISTURE CONTENT OF 19% OR LESS AT TIME OF CONSTRUCTION. CONSULT WINDOW AND/OR DOOR SUPPLIER FOR
- THE REQUIRED ROUGH OPENING SIZES PRIOR TO START OF CONSTRUCTION. HEATING, COOLING, PLUMBING AND ELECTRICAL
- DESIGN SERVICES SHALL BE SUPPLIED BY OTHERS \$ INSTALLATION SHALL BE AS PER THE ONTARIO BUILDING CODE.
-). ALL FINISH SPECIFICATIONS TO BE APPROVED BY . SHOP DRAWINGS TO BE PROVIDED BY

MANUFACTURER FOR REVIEW.

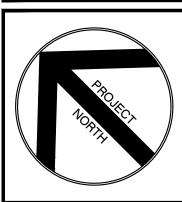
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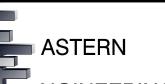
2	AGP	2025-09-02	FOR REVIEW
0	AD	2025-04-28	ISSUED FOR CLIENT REVIEW
No.	Ву	Date	Revisions

All drawings, specifications and related documents are the copyright property of the Engineer and must be returned upon request. Reproduction of drawings, specifications, and related documents in part or whole is forbidden without the Engineers' written permission.

The contractor must check and verify all dimensions on the job prior to start of construction.

DRAWINGS ARE NOT TO BE SCALED





SOUP INC. CONSULTING ENGINEERS

Telephone: (613) 345-0400 Facsimile: (613) 345-0008 Apex Building 207 - 100 Strowger Blvd. Brockville, Ont. K6V 5J9 www.EastEng.com

GANANOQUE FITNESS

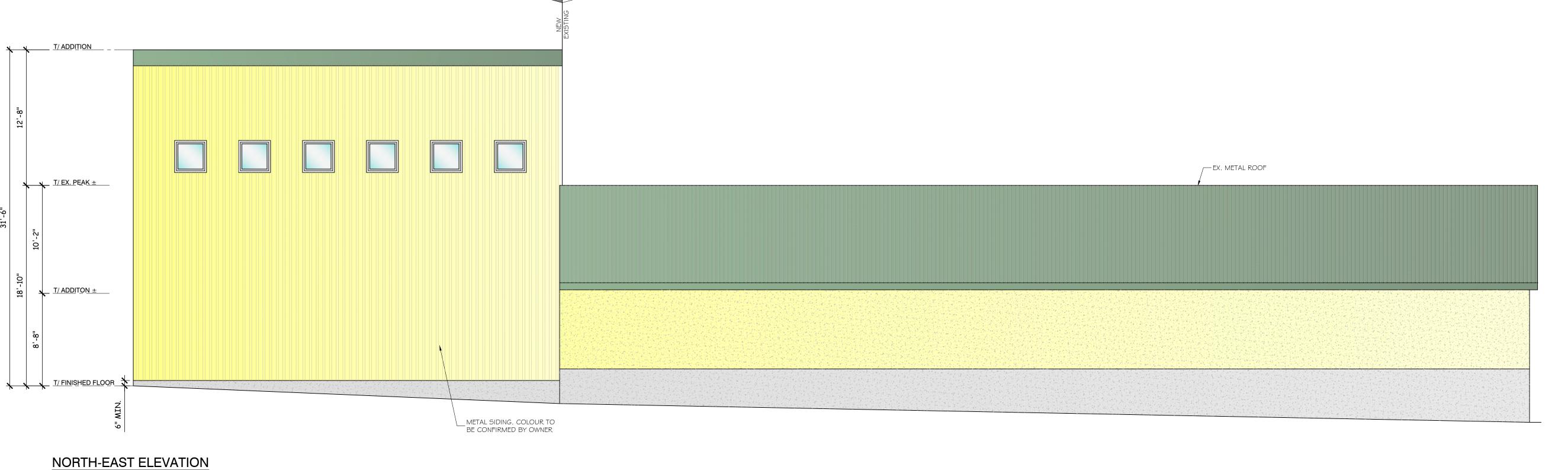
145 River Street, Gananoque, ON

MAIN FLOOR PLAN

Design:	Checked:	Approved:	Project No.: 9027
Drawn:	Checked:	Date: 2025-04-17	Contract No.: 9027-1
Scale:		Drawing No.:	

Vertical: AS SHOWN





SCALE: $\frac{3}{16}$ " = 1'-0"

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THE CONTRACTOR IS RESPONSIBLE FOR THE

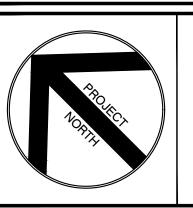
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- I. SHOP DRAWINGS TO BE PROVIDED BY MANUFACTURER FOR REVIEW.

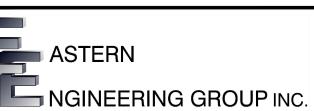
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Apex Building 207 - 100 Strowger Blvd. Telephone: (613) 345-0400 Facsimile: (613) 345-0008

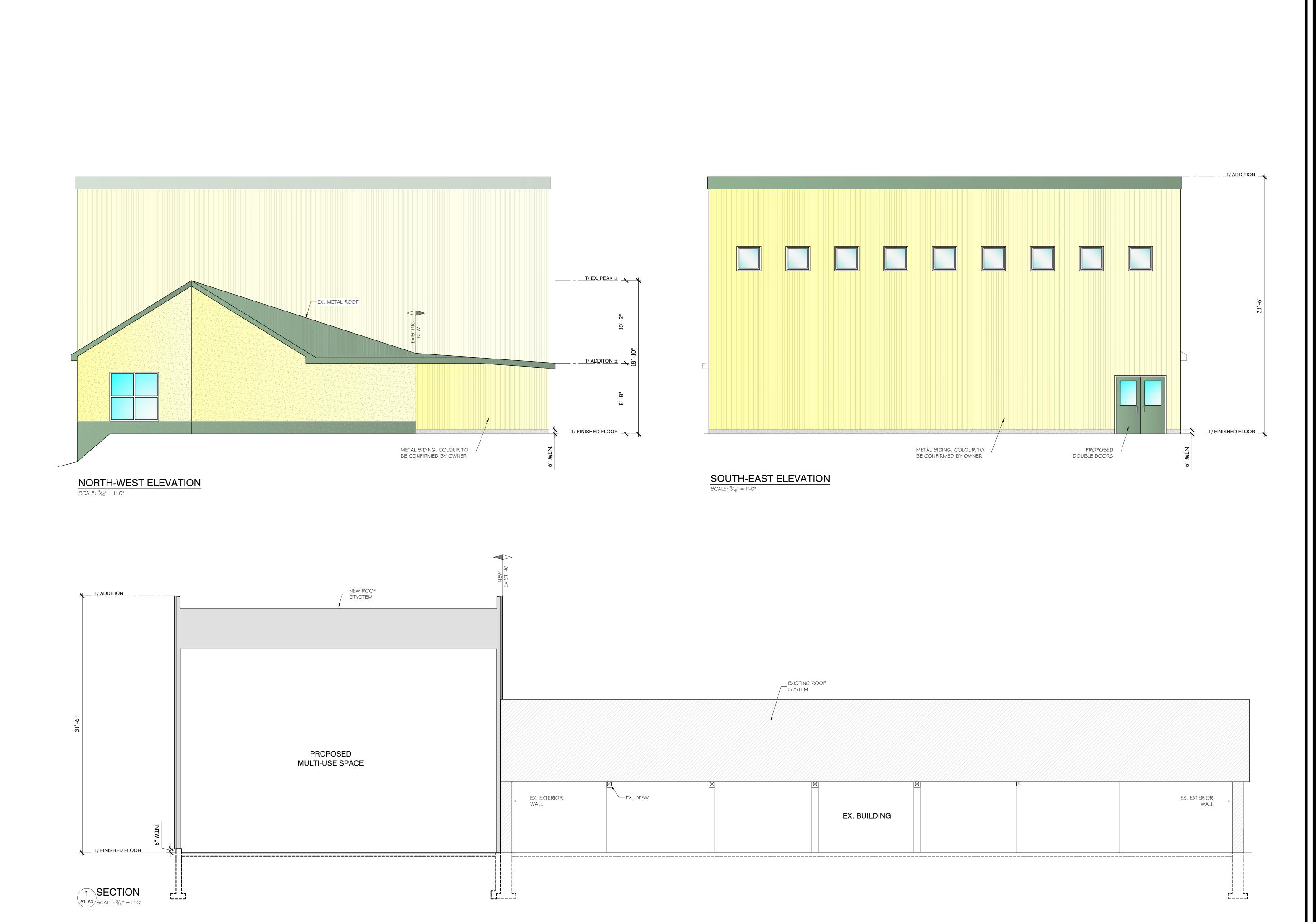
Brockville, Ont. K6V 5J9

GANANOQUE FITNESS

145 River Street, Gananoque, ON

ELEVATIONS

Design:	Checked:	Approved:	Project No.: 9027
Drawn:	Checked:	Date: 2025-04-17	Contract No.: 9027-1
Scale: Horizontal: AS SHOWN		Drawing No.:	^



GENERAL NOTES

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- 3. THE CONTRACTOR SHALL REPORT ANY
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- DESIGNER FOR REVIEW AND/OR APPROVAL.

 4. THE CONTRACTOR IS RESPONSIBLE FOR THE SAFEGUARDING AND LOCATING OF EXISTING
- UTILITIES AND STRUCTURES ON SITE.

 5. INSTALL PRE-MANUFACTURED COMPONENTS AS PER THE MANUFACTURES RECOMMENDATIONS
- AND SPECIFICATIONS.

 6. WHERE NOT NOTED ON DRAWINGS, SPACING ON FRAMING MEMBERS TO BE TO THE LATEST
- EDITION OF THE ONTARIO BUILDING CODE.

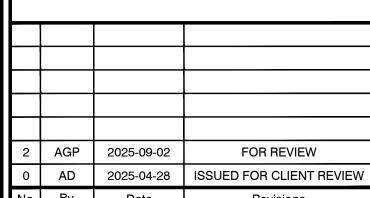
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- OWNER

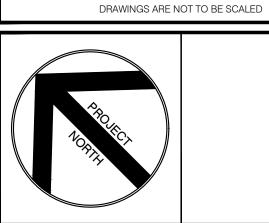
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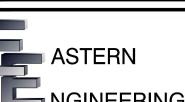
 MANUFACTURER FOR REVIEW.



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CONSULTING ENGINEERS

Apex Building 207 - 100 Strowger Blvd. Brockville, Ont. K6V 5J9

Telephone: (613) 345-0400

Facsimile: (613) 345-0008

www.EastEng.com

Title:

GANANOQUE FITNESS

145 River Street, Gananoque, ON

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ELEVATIONS & SECTION

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PLANNING RATIONALE REPORT

Official Plan Amendment and Development Permit (Zoning) Amendment

Fitness and Recreation Centre, being Gan Fitness

145 River St, Gananoque, Ontario

Date: November 6, 2025

Table of Contents

- 1.0 Introduction and Purpose of this Amended Rationale
- 2.0 Site and Context Overview
- 3.0 Policy Justification: Conformity with the Gananoque Official Plan
- 4.0 Compatibility and Site Analysis
- 5.0 Develop Permit (Zoning) Rationale
- 6.0 Conclusion

1.0 Introduction and Purpose of this Planning Rationale

This document serves as an Planning Rationale prepared in support of an application for a Official Plan Amendment and Development Permit (Zoning) Amendment to introduce a Residential Designation, site-specific discretionary use— Fitness and Recreation Centre (the "Proposed Centre")—at 145 River St, Gananoque, Ontario.

This rationale is submitted subsequent to an earlier application that proposed a General Commercial rezoning. While staff and the Planning Committee were strongly supportive of the proposed business activities and recognized the site's suitability for a recreation facility, there was a clear directive to maintain the existing Residential Zoning designation.

The purpose of this new application and rationale is to respond directly to this feedback by demonstrating that the proposed use can be permitted as a site-specific exception to the

residential zone, thereby fulfilling the following critical planning objectives without necessitating a full commercial designation. It aligns with the objectives outlined in the Town's Official Plan and Zoning By-law by fostering community well-being, promoting active living, enhancing land-use compatibility, and revitalizing an underutilized site.

The subsequent application has site-plans, stormwater reports, elevation drawings and the Cataroquoi Conservation Authority have already submitted comments on the proposed centre and additions, all which are still valid for this application.

An Official Plan Amendment and Development Permit (Zoning) Amendment is proposed to change the site from Residential – legal non-conforming (flea market) to a Residential – Exception to allow a fitness and recreation center.

Gan Fitness is an established local business dedicated to improving the holistic health and wellness of the Gananoque community. We are far more than a traditional fitness facility; we operate as a vital piece of local social infrastructure—a Community Health Hub—that currently delivers critical services despite significant operational challenges.

Gan Fitness is not to be equated with the large, impersonal, high-volume fitness chains typically found in regional power centers. Our proposal represents a model of local commercial use that functions as a piece of essential social infrastructure, deeply complementing the surrounding residential neighborhood.

Despite our current location being on the second story of an industrial building, down a dead-end road lacking sidewalks or streetlights, we have fostered an inclusive and robust community presence:

- Serving Diverse Demographics: We currently offer dedicated fitness classes for adults, specialized sport-specific training for local youth teams, and essential fitness programs tailored for older adults.
- Essential Developmental Services Support: We actively partner with and provide a supportive space for developmental service groups, including Ventures Group Home and Community Living. We offer a safe location for these organizations to bring their clients and provide specialized training and support to facilitate their engagement in physical activity, ensuring these vulnerable residents remain active and supported right here in Gananogue.
- Community Engagement & Economic Showcasing: Beyond our facility walls, we proudly run yearly community-wide events, such as the Amazing Race Gananoque.
 This event is designed to showcase the community, drive local engagement, and highlight many of the town's local businesses.

The proposed relocation and new facility are driven by the vision to create a permanent,

inclusive, and highly accessible location to expand our role as a health hub:

- Expanded Recreational Opportunities: The new space will allow us to introduce dedicated structured and drop-in recreation, including popular activities like basketball, volleyball, and pickleball, transforming the facility into a recreational resource for all ages.
- Strategic Youth Development Partnerships: We will partner directly with local youth organizations, such as the Canoe Club, basketball and soccer clubs and youth hockey teams, providing them with a dedicated, safe, indoor space to conduct on and off-season strength training and skill development.
- Addressing Local Childcare Gaps: We will offer affordable summer youth fitness
 programs scheduled before and after local day camps. This structured offering is
 specifically designed to help local families manage childcare issues and transition
 schedules during the summer months.
- Health and Fitness Programming: We will continue to expand our offering of fitness programs and specialized classes (Yoga, Pilates, Personal Training) to meet the full spectrum of community wellness needs, ensuring Gananoque residents do not have to travel out of town for high-quality health resources.

The new location will not only resolve the accessibility and safety issues of our current industrial site but will dramatically increase our capacity to deliver these essential, community-specific social services, solidifying Gan Fitness as a cornerstone of public health and social connection in the residential area.

In essence, the proposed Gan Fitness is an essential local service whose operational scale and specialized programming are directly tailored to meet the social, health, and economic needs of its immediate community, making it the ideal form of local commercial use for this site.

2.0 Site and Context Overview

The site at 145 River St is uniquely positioned to serve as a local amenity anchor for the surrounding residential area.

Detail	Description
Municipal Address	145 River St, Gananoque, ON

Official Plan Designation	Residential
Proposed Official Plan Designation	Residential Exception
Existing Development Permit (Zoning)	Residential (Flea Market enjoys legal non-confirming)
Proposed Development Permit (Zoning)	Residential Exception to permit Fitness and Recreation Centre, Community Oriented
Site Character	Located in a predominantly residential area with neighbourhood commercial uses to the south (Bed and Breakfast) and open space uses to the east and north.

The proposed development will consist of two additions to the existing one-storey commercial building and the establishment of a fitness and recreation centre in the adaptively reused space. As noted by Staff at the Planning Advisory Meeting on October 28th, 2025: "Staff appreciate that this specific property given the size, the existing building and flexibility for an addition, provides for an ideal building for the proposed use."

3.0 Policy Justification: Conformity with the Gananoque Official Plan

The proposal is assessed under the Official Plan's Residential Designation and is designed to leverage the Plan's guiding principles for healthy community development.

3.1 Overarching Vision and Guiding Principles (OP Section 2.0)

OP Section & Principle	Rationale for Conformity (The Proposed Centre)
2.1 Our Vision is to preserve and enhance	The low-impact, one-storey building

the Town's unique "small town" heritage, preserve our historic and environmental character, and provide a high quality of life through a sustainable development pattern.	maintains the existing character of the building and neighbourhood. Reuse of the existing commercial site demonstrates efficient and sustainable land-use planning. The gym is consistent with other health and well-being uses in the area (e.g., Gananoque Canoe Club across the river).
2.2 (2) The waterfront will be maintained and improved as a community focal point and will be enhanced through balanced, sustainable public and private development which creates an attractive, accessible and useable waterfront for both local residents and visitors.	Set back approx 56 meters from the Gananoque River. It supports recreational amenity by connecting to the Gananoque Trails and River access, promoting walking, running, kayaking, and biking for residents.
2.2 (4) While striving to maintain historical, architectural character and uniqueness, we are committed to intensifying and enhancing the quality of our residential neighborhoods through a range of housing options, densities, and transitions from adjoining land uses	Site changes are concentrated on the eastern portion of the site, furthest from residential uses. A 3-meter landscape buffer will be provided along the southern lot line to ensure appropriate transition.
2.2 (7) We are committed to increasing the diversity of arts, cultural and recreational opportunities.	The proposed Gan Fitness directly supports this by providing inclusive, year-round fitness and social opportunities. It features design elements (no stairs/multiple levels) for accessibility, particularly for seniors, and offers much-needed youth programming.
2.2 (8) We will protect our natural environment.	The proposed development is adequately separated from the Gananoque River, protecting the natural environment. The proposed stormwater management measures will ensure no negative impacts to groundwater or surface water. The proposed development represents the adaptive reuse and modest expansion of the existing building, minimizing land

consumption, and thereby protecting the environment.

2.3 1. Future development shall occur in the Town's Settlement area. The Town shall ensure that development makes efficient use of land and resources for the purposes of economical service and infrastructure provision, freight supportive and active transportation, efficient energy promotion, and climate change mitigation and adaptation.

2 Future development shall be encouraged within the built up area. The Town shall endeavor to set minimum targets for intensification and redevelopment within the built up area.

4. It is the intent of this Plan to achieve an increase in the density and intensity of land use through the use of compact form, a mix of land uses, and redevelopment or re-use of existing vacant or underutilized buildings and properties. This intensification is encouraged in the Settlement Area in accordance with the policies of this Plan. In particular, intensification is encouraged on sites: a. that are no longer viable for the purpose for which they were intended such as former commercial, industrial and institutional sites; b. where the present use in maintained and the additional of residential uses can be achieved in a safe and complementary manner; and c. with suitable existing or planned infrastructure and public service facilities.

The development is within the Town's Settlement Area. Repurposing an existing structure significantly reduces the carbon footprint compared to new construction and supports the Town's goal for intensification and re-use of underutilized buildings.

For the expansion, incorporate energy-efficient lighting, modern HVAC systems, and water-saving features, aligning the project with contemporary sustainability standards.

3.2 Residential Designation Policies (OP Section 3.2)

OP Section & Policy	Rationale for Conformity (Non-Residential Component)
3.2.1 Goal: Promote a balanced supply of housing to meet the present and future social and economic needs of all segments of the community while providing opportunities to develop new residential uses in mixed use buildings as well as non-residential neighbourhood components such as schools, community facilities, places of worship, parks and local commercial uses.	The facility meets the present and future social and economic needs by serving a diverse cross-section (seniors, youth, families). It functions as an essential non-residential neighbourhood component that supports local economic activity.
3.2 (4) Ensure that residential intensification, infilling and redevelopment within existing neighbourhoods is compatible with existing and planned character;	The fact that the building is already commercial means that a non-residential use is part of the established and existing character of the surrounding residential area. The neighborhood has already adjusted to a commercial presence here. Residential intensification guidelines encourage services and amenities that support residents within walking distance, and a fitness and recreation center provides a valuable local community-oriented service that promotes that residents work, live and play close to home.
3.2 (7) Promote the design of complete streets to reduce the need to drive and encourage walking, cycling, and active transportation;	The site is directly beside the Gananoque Trail System, strongly encouraging members to walk, cycle, or use other non-automotive forms of transportation.
3.2 (8) Permit a range of activities in residential areas including home-based	The proposed Gan Fitness is designed to operate as an essential community

businesses, local commercial, bed and breakfasts, Heritage Tourist Inn group homes, churches, schools, community facilities and open space. resource, reducing isolation for seniors, providing safe recreational space for youth, and retaining local economic activity. Through collaboration, such as with seniors' groups, the facility will offer tailored fitness and recreation—including group classes, indoor pickleball, and dedicated space for local walk or kayak clubs—to reduce isolation and support active aging. Simultaneously, it will provide a much-needed recreational space for youth to engage in physical activity, sport, and mental wellness through dedicated programming and organized drop-in sessions. Crucially, the addition of a new, high-quality fitness facility strengthens Gananoque's attractiveness to new residents and visitors. As prospective homeowners and renters increasingly seek communities that prioritize health, wellness, and quality of life, the Centre provides a significant amenity. This local presence reduces the necessity for current residents to commute to Kingston or Brockville for their exercise needs, thereby retaining both economic activity and vital community relationships within Gananoque. By serving a diverse cross-section of residents, including seniors, rehabilitation clients, and families, the facility ensures a multi-generational improvement in quality of life.

3.2.2.1 Permitted Uses:

Uses which complement residential neighbourhoods are also permitted, subject to the Development Permit By-law. These include home-based businesses or home industry uses, institutional uses such as schools, nursing homes, group homes and churches, open space uses such as parks and community centres, neighbourhood

Gan Fitness fundamentally will complement a residential neighborhood by acting as a health-focused community hub that enhances the quality of life, sustainability, and economic value of the area.

Gan Fitness is fundamentally distinct from the large, corporate-owned fitness chains often associated with regional commercial commercial uses such as convenience stores, licensed daycares and bed and breakfast establishments. centers. Our model functions as a true piece of local commercial, social infrastructure that is essential to the immediate residential neighborhood, rather than an amenity attracting regional traffic.

Key Differentiating Factors:

- Tailored to the Local Community
 (Scale and Retention): Unlike
 high-volume chain gyms that rely on
 oversubscription and high attrition,
 Gan Fitness is sized specifically to
 serve the population of Gananoque.
 Our business relies on member
 retention and fostering a supportive,
 less intimidating environment, not
 volume sales. This results in fewer
 peak-hour pressures and a more
 stable, predictable operational
 tempo that is compatible with a
 residential setting.
- Personalized, Relational Service: Our staff and trainers are neighbors and community members. This ensures a level of personalized attention and accountability that is impossible in an impersonal, large-scale franchise. We are positioned to offer specialized programs—such as focused fitness for seniors, accessible youth training, and unique local classes—that cater directly to the specific public health needs of this community.
 - Deep Community Inclusion:
 We are positioned to offer
 dedicated, accessible fitness
 opportunities for group
 homes and developmental
 service groups, such as
 Community Living or

- Ventures Group Homes. This commitment ensures that vulnerable residents receive necessary recreational services locally, preventing the need for costly and inconvenient travel to larger municipalities like Kingston or Brockville.
- Family and Youth Support: To directly address local family needs, we will offer structured youth fitness programs, camps, and activities before and after school hours. This serves as a vital component of childcare support for local families and instills lifelong health habits in the town's youth.
- Fostering Social Cohesion: Gan Fitness will act as a true community hub by hosting teen and adult recreational opportunities, including organized leagues and drop-in times for popular activities like basketball, volleyball, and pickleball. This diversification of offerings creates organic social connections, reduces isolation, and makes the facility an attractive venue for multi-generational community activity.
- Improves Resident Health and Wellness: It provides the necessary infrastructure for physical activity, which is a key component of public health.

Easy, local, access encourages residents—particularly seniors, youth, and families—to stay active.

- Supports Walkability and Active Transportation: Placing a gym within or adjacent to a residential area drastically reduces reliance on private vehicles for daily needs, encouraging walking or biking, which is key to creating a complete, sustainable community.
- Enhances Property Value and Attractiveness: Proximity to high-quality amenities, especially those centered on health and lifestyle, is a major factor for prospective residents, increasing demand and stabilizing/boosting local property values.
- Retains Local Spending: By offering a needed service locally, it prevents residents from traveling to other municipalities (like Kingston or Brockville) for exercise, directly keeping spending and economic activity within the town.

In essence, a well-planned gym functions as an essential piece of social infrastructure that supports municipal policy goals related to health, sustainability, and economic growth, making it a perfect fit for a residential area.

3.2.2.2 Non-Residential Uses- Local commercial uses such as small local retail plazas and convenience stores, schools,

Given the site's existing commercial use, the proposed change represents a

places of worship and community facilities are permitted in the Residential Policy Area. Existing non-residential uses shall be designated in the Development Permit By-Law. All new non-residential uses shall be subject to a Development Permit By-Law. Proposed nonresidential uses shall be reviewed to ensure compatibility with the existing and planned character, scale and adequate servicing. Proponents shall provide sufficient evidence to ensure that new development will not result in increased neighborhood traffic, noise or other emissions and will contribute to quality of life for local residents.

continuation rather than an intensification of activity. The anticipated traffic generation from a gym of this scale would be modest, particularly when compared to the peak, weekend operations of the flea market.

Parking can be effectively managed within the site's capacity, and noise levels from indoor fitness activities will be negligible to adjacent properties. Also, moving the gym closer to the interior of the Town from its current location, will encourage members to walk or use alternative, non-automotive forms of transportation.

3.2.2.3 Waterfront Residential Development Residential development along the waterfront is permitted within the Residential Policy Area provided that waterfront development meets all relevant policies of this plan, including Lowertown Policies, Rural and Open Space policies, and Natural and Human Made Hazard Policies, as well as the provisions of the implementing Development Permit By-Lawhigh water mark Development Permit By-Law.

The Cataraqui Conservation Authority provided comments with regards to natural hazards under O.Reg 41/24. The CRCA does not object to the application.

Development Criteria (Section 5.4.4 OP)

The proposed Gan Fitness redevelopment satisfies all relevant criteria outlined in Section 5.4.4 of the Official Plan, confirming the compatibility and appropriateness of the proposal for the site.

I. Access, Infrastructure, and Safety

Criteria	Compliance and Justification

1. Provision of Safe Access	Access is provided from River Street, identified as a local collector road on Schedule H of the OP.		
2. Adequate Off-Street Parking	21 on-site parking spaces are provided, including two barrier-free space, located to the side and rear of the existing building, accessed from River Street.		
3. Barrier-Free Access	Two barrier-free parking space is designated as required by the Development Permit By-law. Building additions will comply with the Ontario Building Code for full accessibility.		
4. Emergency Vehicle Access	The proposed site layout meets all minimum standards to ensure the safe and efficient maneuvering of emergency vehicles for public and private property protection.		
5. Availability of Municipal Services	No changes or upgrading to municipal services (water, sewer, fire, police, roads) are required for the building, thereby minimizing unnecessary infrastructure costs for the Town.		
16. Physical Suitability of the Land	The site is physically suitable, offering adequate lot area and topography, sufficient access to River Street, municipal services, and adequate off-site parking to support the proposed commercial sports and recreation establishment.		

II. Environmental, Stormwater, and Heritage Protection

Criteria	Compliance and Justification	
6. Adequate Drainage/Stormwater Management	The Stormwater Management Report confirms that adequate drainage, stormwater management, and erosion control measures are planned or present on the site.	

11. Protection of the Environment	The project avoids air, soil, or water pollution through the adaptive reuse of an existing commercial building. The SWM Report confirms no adverse impact on the Gananoque River will result.
12. Preservation of Trees	The subject site does not currently contain trees. The proposal enhances the site by planning the addition of six 50 mm caliper maple trees along the north lot line and River Street frontage.
14. Protection of Natural Resource Values	The development is sufficiently set back approximately \$56 metres from the Gananoque River and will not pose adverse impacts to groundwater or surface water, preserving the natural heritage value of the watershed.
15. Conserving Cultural Heritage Resources	No cultural heritage resources are identified on or in proximity to the site as confirmed by the Town's Municipal Register.

III. Aesthetic, Landscaping, and Safety Enhancements

Criteria	Compliance and Justification
8. Landscaping, Privacy, and Setbacks	The 56 m setback from the Gananoque River, coupled with proposed landscaping and the French drain, ensures adequate separation from natural features and development constraints (noise/vibration).
9. Adequate Exterior Lighting	Sufficient exterior lighting will be provided for both the building and the parking area to enhance safety and usability after dark.
10. Control of Signs	Any on-site signage will be scaled appropriately to be in character

and Advertising	with the intended use and surrounding neighborhood.
17. Safety and Security Criteria	The development incorporates sufficient lighting, clear signage, and clear lines of sight. The adaptive reuse and complementary mix of uses (commercial, residential, open space) are appropriately located. Pedestrian routes will be provided within the site to ensure accessibility and safety near the building and parking areas.

4.0 Compatibility and Site Analysis

This section analyzes the site-specific measures taken to ensure the commercial use operates harmoniously within the surrounding Residential neighbourhood.

4.1 Land Use and Aesthetic Compatibility

- Controlled Use: The site-specific zoning will permit only a Fitness and Recreation
 Centre, avoiding the possibility of higher-impact commercial uses, thereby providing
 regulatory certainty to the neighbourhood.
- **Scale and Massing:** The building maintains its low, single-storey profile, respecting the scale of the surrounding residential buildings.
- **Built Form Transition:** The most significant changes (additions) are concentrated on the **eastern portion of the site**, furthest from the residential properties to the south.

4.2 Transportation, Parking, and Access

- **Traffic Generation:** Traffic is expected to be lower than the former flea market, with demand spread throughout the day, minimizing peak congestion.
- Parking Provision: The site will provide adequate on-site parking for the proposed additions. 21 spaces, including 2 barrier-free parking spaces are included. This capacity will be sufficient to accommodate staggered member use.
- Active Transportation: Direct proximity to the Gananoque Trail System is a major mitigating factor, promoting active transportation and reducing reliance on vehicular trips

4.3 Environmental and Operational Mitigation

Concern	Mitigation Measure
Waterfront Protection	The approx 56 meter setback from the Gananoque River and a dedicated stormwater management plan ensure compliance with Conservation Authority requirements.
Noise	All high-impact activities will occur within the fully enclosed, insulated building. All mechanical equipment will meet Municipal Noise By-law requirements.
Light Pollution	All exterior lighting will be full cut-off (down-lit) and fully shielded to prevent light spillage onto adjacent residential properties.
Hours of Operation	The site-specific zoning will cap daily hours of operation (e.g., 5:00 AM – 930 PM) to limit late-night traffic and activity in the residential area.
Landscaping	A 3-meter wide landscape buffer with evergreen and deciduous plants will be implemented along the southern property line to screen and provide transition to the residential neighborhood.

5.0 Development Permit (Zoning)

Provision Category	Requireme nt (single detached)	Requir ement s (Duple x)	Apartment	PROPOSAL
1. Lot Area (minimum)	464 sq m	557 sq m	930 sq m	2640 sq m
2. Lot Coverage (maximum)	35%	35%	35%	24%
3. Lot Frontage (minimum)	15 metres	18m	24 m	55.9m
4. Front Yard Setback (minimum)	6.0 m	6 m	6m	0m
5. Exterior Side Yard Setback (minimum)	4.5 m	4,5 m	4.5m	Om

6. Interior Side Yard (minimum)	1.2 m	1.2m	1.2m	20.1 m
7. Rear Yard Depth (minimum)	7.5 m	7.5m	6.5m	56m
8. Building Height (maximum)	11.0 m	11.0 m	20 m	9.6m

Site Planning and Justification for Zoning Amendments

The proposed Gan Fitness redevelopment is being handled in a technically sound manner that respects the site's history while significantly improving its overall aesthetic and functionality. Crucially, the following three zoning amendments are **technical in nature** and are required primarily to recognize the existing footprint of the building and the current condition of the site.

1. Minimum Setback Amendments (Front and Interior Side Yards)

Amendment Required Existing Just Condition (Residential)	stification and Proposal
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Front Yard Setback (River Street)	6m	0 m	The amendment recognizes the existing O-metre setback of the current building. It allows for a small addition to the front of the building to establish a proper, accessible new entrance. This is a technical amendment to permit the building's continued use and necessary accessibility improvements.
Interior Side Yard Setback (North Lot Line)	1.2 m	0 m	The amendment recognizes the existing O-metre setback from the north lot line. It will allow for a necessary addition to the rear of the building (away from River Street) for improved operational space. This is a technical amendment to allow the building's continued location and functional expansion.

2. Landscaped Open Space Reduction Justification

The proposed design uses significantly **less coverage** than the zoning maximum, ensuring the facility remains low-density with ample space for parking, buffering, and landscaping, thereby preventing the site from appearing crowded or overbuilt. It is requested to recognize the existing condition of the site, where a portion of the front yard along River Street and the eastern area (near the Gananoque River) is **currently gravelled**, rather than landscaped open space.

- Recognition of Existing Condition: This amendment is purely to recognize the existing
 gravelled condition of the site. It does not permit the expansion of any existing
 non-landscaped area, nor does it require the removal of any existing vegetation, as
 none is currently present.
- Stormwater Management: The accompanying Stormwater Management Report
 confirms that the implementation of recommended measures, including the installation
 of a French drain in the eastern portion of the site, will ensure stormwater flows are
 maintained to pre-development levels. This negates any potential adverse effects of the
 gravelled area on runoff.
- Aesthetic Impact: The front yard extending toward the Gananoque River is located to

the rear of the existing commercial building, meaning impacts on neighborhood character are not anticipated.

3. Proposed Site Improvements (Net Benefit)

The redevelopment incorporates significant improvements that result in a net benefit to the streetscape and the residential neighborhood:

- Net Increase in Landscaping: A 3-metre wide landscape strip is proposed along the south lot line, resulting in a net increase in landscaped open space on the overall site.
- Enhanced Streetscape: Six 50 mm caliper maple trees are proposed for planting—two along the River Street frontage and four along the north property line adjacent to the Waterfront Trail—to ensure an attractive and green streetscape.
- Parking Provision: 21 on-site parking spaces are proposed, including two barrier-free spaces, which will be appropriately located east of the proposed addition.
- Pedestrian Safety: A concrete pedestrian walkway is proposed along the south side of the building, providing a separated, safe path of travel from the accessible parking area to the main entrance.

6.0 Conclusion

Summary of Justification

This Planning Rationale has demonstrated conclusively that the application for a site-specific discretionary use for the Community-Oriented, Fitness and Recreation Centre at 145 River Street represents an ideal planning solution for the Town of Gananoque.

The proposal achieves full conformity with the Town's Official Plan objectives for health, efficiency, and community well-being, all while respecting the Committee's direction to maintain the underlying Residential Zoning fabric. The comprehensive compatibility controls—including the commitment to 24% lot coverage (well below the 35% maximum), the provision of 21 on-site parking spaces, and the proposed net increase in landscaping—ensure the use will be low-impact and seamlessly integrated into the neighborhood.

By adaptively reusing a functionally-obsolete commercial building, Gan Fitness will:

- Function as a vital Community Health Hub, not a generic commercial gym, offering specialized, inclusive programs for seniors, youth, and developmental service groups.
- Support municipal sustainability goals by promoting walkability and active transportation through its interior location.
- Deliver lasting economic, health, and social benefits to the Town, filling the void left by past recreational facility closures and ensuring local spending remains in Gananoque.

The proposed rezoning to allow a gym at 145 River Street represents a thoughtful, well-aligned, and community-enhancing use of the site. It meets all key planning criteria related to land-use compatibility, accessibility, efficient use of existing services, and direct support for community well-being. This project is a necessary and highly desirable investment in the social infrastructure of the neighborhood.

GAN FITNESS 145 RIVER STREET GANANOQUE, ON

STORMWATER MANAGEMENT REPORT



EASTERN ENGINEERING GROUP INC. APEX BUILDING 100 STROWGER BLVD, SUITE 207 BROCKVILLE, ON K6V 5J9

MARCH 2025

REVISION RECORD						
REV	DESCRIPTION	PREPARED BY				
0						
1						
2						
3						

1.0 PROJECT BACKGROUND

The project involves a new addition to the existing building at 145 River Street and revision to the site with additional gravel parking area. The building expansion is 210 m² at the rear of the building and a new entry addition of 31 m². The gravel parking area increased is 1278 m².

The report is a summary of data, calculations, design and support documentation required for the stormwater management of the site.

2.0 LOCATION

The property is located at current 145 River Street, Gananoque.

3.0 SERVICING

The existing building is serviced via municipal sanitary and water from the adjacent streets. There will be no increase or change in servicing for the building. The existing water is a 150m mm dia service to the property for fire protection.

The existing sanitary location could not be confirmed but there is an existing service to the building draining by gravity to the Town infrastructure.

4.0 DRINKING WATER SOURCE PROTECTION

As per Cataraqui Region Conservation Authority, portions of the site are in an area identified as a significant groundwater recharge area (SGRA) and Highly Vulnerable Aquifer (HVA). As mandated by the Clean Water Act (2006), the Source Protection Plan identifies significant activities that are considered to be drinking water threats.

A review of the proposed use of the site confirms that the activities planned on the site will not be a threat or risk to the groundwater. There will be no chemical handling or storage of any items listed in the Cataraqui Source Protection Plan. The proposed use of the site is a fitness centre.

5.0 EXISTING CONDITIONS

The area being redeveloped currently does not have any stormwater management facilities in place. The existing parking lot drains easterly towards the Gananoque River on the site. There is no controlled outlet currently.

The intent of the stormwater management plan presented herein is to mitigate any negative impact that the proposed development will have on the Town sewer system and neighbouring properties.

6.0 SEDIMENT AND EROSION CONTROL PLAN

To control sediment and erosion during construction the following shall be adhered to:

- Before proceeding with any area grading the silt fence must be constructed where indicated.
- 2. Silt control fence shall be installed where shown and maintained until the completion of the landscaping.
- 3. Catchbasin silt traps are to be installed at all catchbasins off site where runoff can drain.
- 4. Accumulated silt to be removed off site prior to removal of the silt control fence.
- 5. Contractor to clean adjacent roads on a regular basis to the satisfaction of the Town.
- 6. The silt fence must be inspected weekly and immediately after rainfall events for rips or tears, broken stakes, blow outs (structural failure) and accumulation of sediment. The silt fence must be fixed and/or replaced immediately when damaged. Sediment must be removed from silt fence when accumulation reaches 50% of the height of the fence.
- 7. Upon completion of landscaping all sediment and erosion control measures shall be removed.
- 8. No construction activity or machinery shall be beyond the silt fence.
- 9. All earth or topsoil stockpiles shall be surrounded with a sediment control fence.

The Contractor shall be responsible for monitoring and maintaining the sediment and erosion control facilities until re-vegetation is complete.

The Sediment and Erosion Control Plan shall be considered a 'living document' that may need to be changed or adjusted during the life of the project to be effective.

7.0 PROPOSED STORMWATER MANAGEMENT DESIGN

The stormwater management for the new commercial development and parking area will be done via grading and use of low impact development to contain and treat stormwater runoff before leaving the site.

The intent of stormwater management is to limit the Post-development drainage runoff to the 5 year Pre-development conditions. The existing site has no stormwater management in place with no storm sewers. The proposed works will contain all runoff on the parking area.

The proposed SWM facilities are shown on the C1. Storage will be provided on site for the 2 through 5 year events, using infiltration trench and surface.

8.0 QUALITY-BEST MANAGEMENT PRACTICES

The site is less than 2 ha, using the Stormwater design manual, Section 4.1.1, and will be treated as a smaller developed area and recommend Lot Level and Conveyance Controls should be allowed for the site.

The flow from the site will follow natural drainage paths towards the east and Gananoque River. To help with water quality, Best Management Practices and Low Impact Development strategies are addressed by the rural nature of the development which includes the following factors:

Infiltration

Designing water flow paths in a longer shape will help with the removal of sediment and keeping temperature of the water lower. The flow path from the parking area to the infiltration trench is a low sloped gravel area. The gravel will allow for infiltration.

Preserve areas of undisturbed soil and vegetation

Areas that can retain their natural soils and current conditions should be included in the planning. The area of undeveloped grass land will be preserved to accommodate all runoff from the site.

Lot level Controls

At the lot level, the effects of runoff reduction measures are enhanced by minimizing lot grades to promote natural infiltration. Due to the natural topography or relief of the site, the existing grading of the entire site will be maintained and thus allowing natural filtration and absorption to continue while maintaining base flows and reducing TSS levels.

Conveyance Control

The use of low gradient grassed areas where possible is one of the best conveyance controls available. The flat grades help to reduce flow velocities, reducing erosion potential. The grassed bottoms and side slopes act as a filter for any suspended particulate matter as well as promoting infiltration.

Treatment Method

The treatment method will be best management practices included a grassed flow area. This also acts as a large buffer strip between the developed land and all neighbouring properties.

Treatment Area

This area has been designed and grades so all new surfaces drain to the grass areas around the development. The parking area is graded to flow to the grass swales and infiltration areas. The intent of the design is to provide a normal level of protection as defined by the MOE Stormwater Management Planning and Design Manual, March 2003 for the area being developed into a storage area.

9.0 QUANTITY – PRE-DEVELOPMENT

The site will be considered a treed area prior to the parking lot expansion. The runoff coefficient for the existing areas are calculated using the areas and assumed C for the lands.

The C_{avg} for the 5 year Pre- are calculated as follows:



Runoff Coefficient Calculation:							
PRE DEVELOPMENT							
Surface	Area (m2)	Area (ha)					
Gravel	0.60	383.000	0.04				
Grass	0.35	1863.100	0.19				
Asphalt/Concrete	0.90	0.00	0.00				
Building	0.90	393.61	0.04				
Pasture Lands	0.28	0.00	0.00				
Average C =	0.468284016	SUM:	0.26				
P	OST DEVELOPM	ENT					
Surface	Area (m2)	Area (ha)					
Gravel	0.60	1838.62	0.18				
Grass	0.35	168.29	0.02				
Asphalt/Concrete	0.90	0.00	0.00				
Building	0.90	632.82	0.06				
Pasture Lands	0.28	0.00	0.00				
Average C = 0.66 SUM: 0.26							

C_{pre} was calculated to be 0.47. C_{post} is 0.66

	Drainage Area for Q				
Pre Runoff C =	0.468284016				
Area =	0.264	ha			
5 YEAR					
Time (min)	mm*ha/hr to L/s	С	l (mm/hr)	A (ha)	Q (L/s)
5	2.78	0.47	155.10	0.264	53.299
10	2.78	0.47	95.50	0.264	32.818
15	2.78	0.47	71.90	0.264	24.708
20	2.78	0.47	58.63	0.264	20.147
25	2.78	0.47	50.16	0.264	17.238

The allowable flow from the full site based on the pre-development 5 year storm event is 24.708 L/s.

The water quantity objective for the storage area is to not exceed the existing stormwater flows from this area. The flow is limited to the pre-development runoff rates. Please note that it is

widely recognized that the rationale method typically overestimates peak runoff flows and as a result is an extremely conservative prediction method. Any facilities that are sized using results from the rationale method are expected to function in "real world" conditions.

10.0 QUANTITY - POST DEVELOPMENT

The post development flows are calculated using Modified Rationale method for various times and rainfall intensities, to determine the stormwater storage requirements for each area.

10.1 Drainage Area 1

The post development runoff coefficient is 0.80 for 5 year event. The rainfall intensity is taken using tables from Town of Brockville site plan design manual.

POST DEVELOPMENT							
Surface C Area (m2) Area (ha)							
Gravel	0.60	1838.62	0.18				
Grass	0.35	168.29	0.02				
Asphalt	0.90	0.00	0.00				
Building	0.90	632.82	0.06				
Pasture Lands	0.28	0.00	0.00				
Average C =	0.66	SUM:	0.26				

The allowable release rate from Drainage Area 1 is 24.708 L/s (5 year).

The allowable release rate from Drainage Area 1 is 24.708 L/s (5 year).								
Dr	ainage Area fo	or Qpost						
Post Runoff								
C =	0.66							
Area =	0.26	ha						
5 YEAR						Allov	wable Relea	ase
								Storage
	mm*ha/hr		ı			Allowed	Net	Reqd
Time (min)	to L/s	C	(mm/hr)	A (ha)	Q (L/s)	Discharge	Runoff	(m3)
5	2.78	0.656	155.10	0.264	74.663	24.708	49.955	14.986
10	2.78	0.656	95.50	0.264	45.972	24.708	21.264	12.759
15	2.78	0.656	71.90	0.264	34.612	24.708	9.904	8.913
20	2.78	0.656	58.63	0.264	28.223	24.708	3.515	4.218
25	2.78	0.656	50.16	0.264	24.147	24.708	-0.561	-0.842
100 YEAR						Allov	vable Relea	ase
								Storage
	mm*ha/hr		1			Allowed	Net	Reqd
Time (min)	to L/s	С	(mm/hr)	A (ha)	Q (L/s)	Discharge	Runoff	(m3)
5	2.78	0.656	259.00	0.264	124.679	24.708	99.971	29.991
10	2.78	0.656	159.50	0.264	76.781	24.708	52.073	31.244
15	2.78	0.656	120.20	0.264	57.862	24.708	33.154	29.839
20	2.78	0.656	97.65	0.264	47.008	24.708	22.300	26.760

Therefore, based on Modified Rationale Method, the storage requirement for Drainage Area 1 for 5 year storm event is 14.99 m³ and for the 100 year storm is 31.24 m³. The storage will be underground infiltration trench and on surface.

0.264

0.264

40.219

35.622

24.708

24.708

15.511

10.914

23.266

19.646

11.0 STORAGE PROVIDED

2.78

2.78

0.656

0.656

83.55

74.00

25

30

The stormwater storage requirements for the new development for the commercial building is 33 m³.

The site storage requirements are achieved with the use of an infiltration trench at the east end of the gravel areas.

12.0 WINTER OPERATION

During the winter months, snow will be stored in areas designated as snow storage area. If accumulation is above normal, snow will be removed from the site and parking lot. All catch basins and manholes will be monitored and kept free of snow and ice buildup to avoid any localized flooding on the site. The insulation effect of the snow will limit the depth of frost penetration such that when temperatures rise, moderate flow will occur in the bottom of the ditches and swales. Regular maintenance of the parking lot in spring to remove accumulated sand will be required.

16.0 MAINTENANCE

The owner will have maintenance staff review the site periodically during routine maintenance. The maintenance plans and forms must address the following:

- · Inspection frequency
- Maintenance frequency
- Data collection/ storage requirements (i.e. during inspections)
- Detailed cleanout procedures (main element of the plans) including:
 - Equipment needs
 - Maintenance techniques
 - Occupational health and safety
 - Public safety
 - Environmental management considerations
 - Disposal requirements (of material removed)
 - Access issues

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