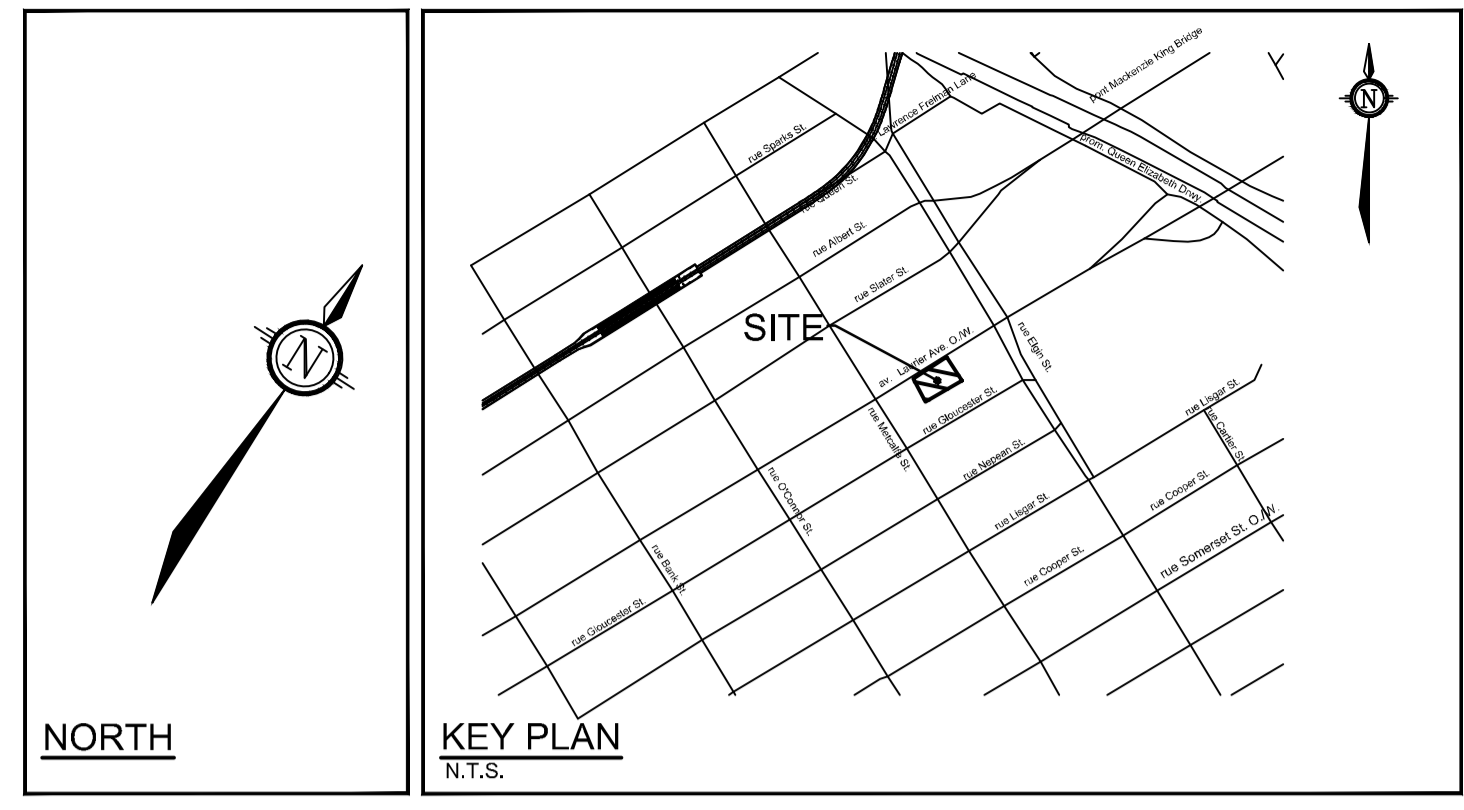


*Andrew McCreight*

**ANDREW MCCREIGHT**  
**MANAGER, DEVELOPMENT REVIEW CENTRAL**  
**PLANNING, REAL ESTATE & ECONOMIC DEVELOPMENT**  
**DEPARTMENT, CITY OF OTTAWA**




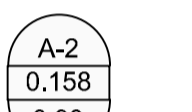
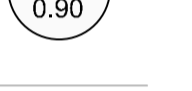






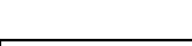

**APPROVED**  
 By Andrew McCreight at 12:07 pm, Apr 10, 2024



**GENERAL NOTES:**

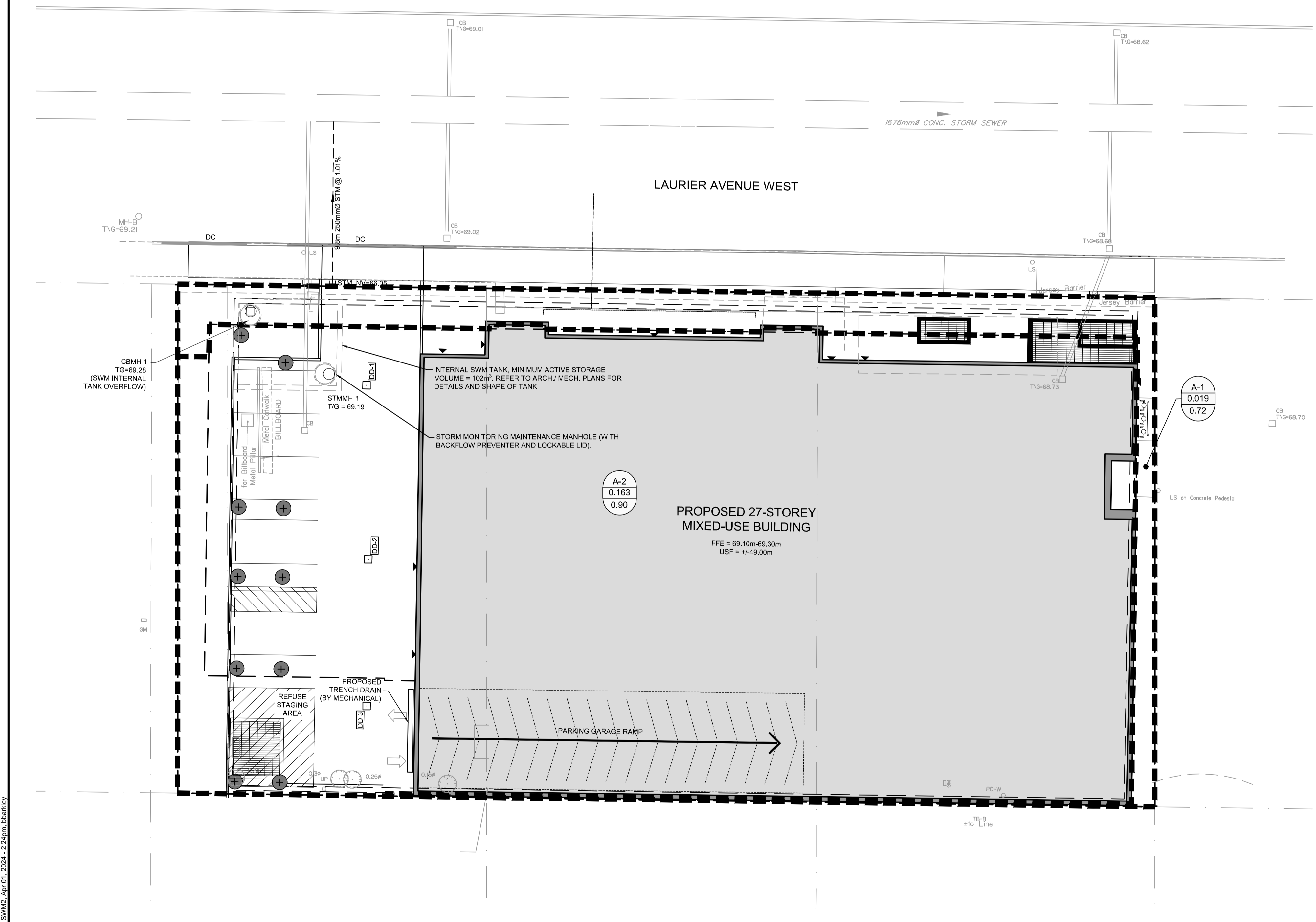
- COORDINATE AND SCHEDULE ALL WORK WITH OTHER TRADES AND CONTRACTORS.
- DETERMINE THE EXACT LOCATION, SIZE, MATERIAL AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO COMMENCING CONSTRUCTION. PROTECT AND ASSUME RESPONSIBILITY FOR ALL EXISTING UTILITIES WHETHER OR NOT SHOWN ON THIS DRAWING.
- ALL ELEVATIONS ARE GEODETIC.
- REFER TO GEOTECHNICAL INVESTIGATION REPORT (PG65195-1, REVISION 2, DATED SEPTEMBER 7, 2023), PREPARED BY PATERSON GROUP INC., FOR SUBSURFACE CONDITIONS, CONSTRUCTION RECOMMENDATIONS, AND GEOTECHNICAL INSPECTION REQUIREMENTS. THE GEOTECHNICAL CONSULTANT IS TO REVIEW ON-SITE CONDITIONS AFTER EXCAVATION PRIOR TO PLACEMENT OF THE GRANULAR MATERIAL.
- REFER TO THE DEVELOPMENT SERVICING STUDY AND STORMWATER MANAGEMENT REPORT (R-2022-124) PREPARED BY NOVATECH.

**LEGEND**

-  PROPOSED BARRIER CURB
-  PROPOSED DEPRESSED CURB
-  DRAINAGE AREA LIMITS
-  POST-DEVELOPMENT AREA ID
-  POST-DEVELOPMENT DRAINAGE AREA (ha)
-  1.5 YEAR WEIGHTED RUNOFF COEFFICIENT
-  EXISTING CONCRETE CURB
-  EXISTING VALVE & VALVE BOX
-  EXISTING SERVICE POST
-  EXISTING HYDRANT
-  EXISTING CATCHBASIN
-  EXISTING CATCHBASIN MH
-  EXISTING UTILITY POLE / CW GUY WIRES

INTERNAL SWM STORAGE SYSTEM					
DESIGN EVENT	STORAGE SYSTEM CONTROLLED FLOW	STORAGE VOLUMES			
		REQUIRED	PROVIDED		
1:2 YR	PUMPED FLOW RATE = 3.78 L/s	23.1 m <sup>3</sup>	>102 m <sup>3</sup>		
1:5 YR		34.8 m <sup>3</sup>			
1:100 YR		80.2 m <sup>3</sup>			
1:100+20%		101.6 m <sup>3</sup>			
<b>NOTES:</b>					
1. ALL DRAINAGE FROM AREA R-1 (PROPOSED AMENITY AREA DECK DRAINS AND ALL ROOF DRAINS) TO BE DIRECTED TO THE INTERNAL STORMWATER STORAGE SYSTEM. REFER TO ARCHITECTURAL AND MECHANICAL PLANS FOR DETAILS.					
2. REFER TO ARCHITECTURAL AND STRUCTURAL PLANS FOR EXACT SIZE AND DETAILS OF INTERNAL STORMWATER STORAGE SYSTEM.					
3. REFER TO ARCHITECTURAL AND MECHANICAL PLANS FOR LOCATION AND CONNECTIONS AND DETAILS OF THE INTERNAL STORMWATER STORAGE SYSTEM AND EMERGENCY OVERFLOW PIPING.					

Design Event	Pre-Development Conditions		Post-Development Conditions			
	Uncontrolled Flow (L/s)	Allowable Release Rate (L/s)	A-1 Flow (L/s)	A-2 Flow (L/s)	Total Flow (L/s)	Reduction in Flow (L/s or %)
2-Yr	34.5	19.4	2.9	3.8	6.7	27.8 or 81%
5-Yr	46.8		4.0	3.8	7.8	39.0 or 83%
100-Yr	89.2		9.3	3.8	13.1	76.1 or 85%

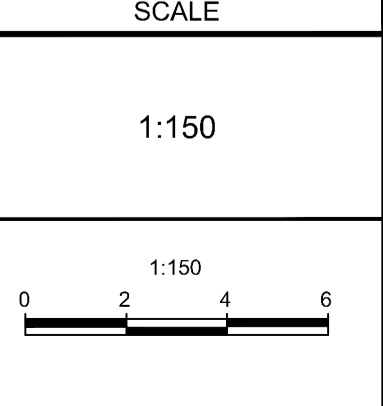


**NOTE:**  
 THE POSITION OF ALL POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

**OWNER INFORMATION**  
 JADCO Group  
 345 Boulevard Samson  
 Laval, QC H7X 2Z7



**CONTACT: ANDRÉ DOUDAK**  
 Tel: (613) 791-1970  
 EMAIL: adoudak@jadcogroup.com

No.	REVISION	DATE	BY
5.	REVISED GAS PAD AND EAST ENTRANCE LOCATION	APR 1/24	FST
4.	REVISED AS PER CITY COMMENTS	MAR 18/24	FST
3.	RE-ISSUED FOR CITY APPROVAL	OCT 20/23	FST
2.	REVISED AS PER CITY COMMENTS	JUN 5/23	FST
1.	ISSUED FOR SPC APPLICATION	AUG 30/22	FST



DESIGN	CV
CHECKED	FST
DRAWN	CV
CHECKED	FST
APPROVED	FST

**FOR REVIEW ONLY**

**NOVATECH**  
 Engineers, Planners & Landscape Architects  
 Suite 200, 240 Michael Cowpland Drive  
 Ottawa, Ontario, Canada K2M 1P6

Telephone: (613) 254-9643  
 Facsimile: (613) 254-5867  
 Website: www.novatech-eng.com

**LOCATION**  
 CITY OF OTTAWA  
 150 LAURIER AVENUE WEST

**DRAWING NAME**  
 POST-DEVELOPMENT  
 STORMWATER MANAGEMENT  
 PLAN

**PROJECT No.**  
122133

**REV**  
REV # 5

**DRAWING No.**  
122133-SWM2

**PLAN #18833**

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