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STRUCTURES AND ASSUME ALL LIABILITY FOR

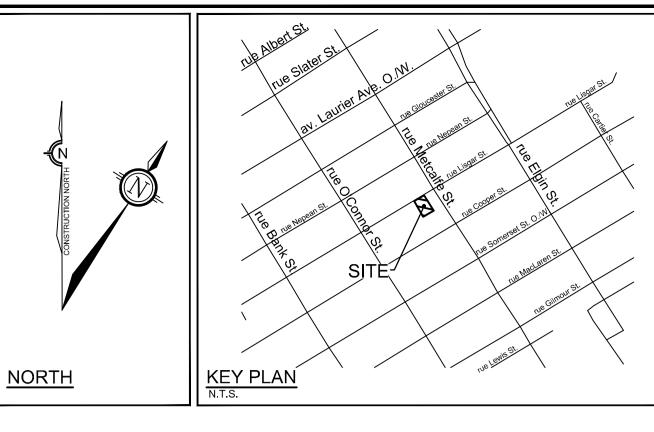
DAMAGE TO THEM.

ISSUED FOR SPC APPLICATION

REVISION

NOV 11/22

DATE



GENERAL NOTES:

- 1. COORDINATE AND SCHEDULE ALL WORK WITH OTHER TRADES AND CONTRACTORS.
- 2. 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.
- 4. REFER TO GEOTECHNICAL INVESTIGATION REPORT (PG6401-1, DATED OCTOBER 26, 2022), 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.
- 5. REFER TO THE DEVELOPMENT SERVICING STUDY AND STORMWATER MANAGEMENT REPORT(R-2022-151)

BENCHMARK NOTES:

- 1. ELEVATIONS ARE GEODETIC AND ARE REFERRED TO CITY OF OTTAWA CONTROL POINT 2011-0007 HAVING A PUBLISHED ELEVATION OF 80.55 METRES.
- 2. IT IS THE RESPONSIBILITY OF THE USER OF THIS INFORMATION TO VERIFY THAT THE SITE BENCHMARKS HAVE NOT BEEN ALTERED OR DISTURBED AND THAT ITS RELATIVE ELEVATION AND DESCRIPTION AGREES WITH THE INFORMATION SHOWN ON THIS DRAWING.
- 3. BENCHMARK WAS PROVIDED ON SURVEYOR'S REAL PROPERTY REPORT WITH TOPOGRAPHIC DETAILS PART 1 - PLAN SHOWING LOT 47 (SOUTH SIDE OF LISGAR STREET), REGISTERED PLAN NO. 12281, CITY OF OTTAWA, SURVEYED BY J.D. BARNES LIMITED (REF. # 21-10-108-00).



PROPOSED BARRIER CURB PROPOSED DEPRESSED CURB

DRAINAGE AREA LIMITS

POST-DEVELOPMENT AREA ID 0.072 POST-DEVELOPMENT DRAINAGE AREA (ha) 0.24 1:5 YEAR WEIGHTED RUNOFF COEFICIENT

PROPOSED CATCHBASIN MANHOLE

--- PROPOSED STORM SEWER

OVERLAND FLOW ROUTE EXISTING CONCRETE CURB

WK -0- EXISTING WATER KEY

EXISTING CATCHBASIN

EX UP EXISTING UTILITY POLE

INTERNAL SWM STORAGE SYSTEM									
DESIGN	STORAGE SYSTEM	STORAGE VOLUMES							
EVENT	CONTROLLED FLOW	REQUIRED	PROVIDED						
1:2 YR	PUMPED FLOW RATE = 3.2 L/s	5.7 m³	>30 m³						
1:5 YR		9.1 m³							
1:100 YR		23.0 m³	230 HI						
1:100+20%		29.5 m³							
NOTES:									
DECH THE	ALL DRAINAGE FROM AREA A-2 (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.								
EXAC	REFER TO ARCHITECTURAL AND STRUCTURAL PLANS FOR EXACT SIZE AND DETAILS OF INTERNAL STORMWATER STORAGE SYSTEM.								
3. REFE	REFER TO ARCHITECTURAL AND MECHANICAL PLANS FOR								

LOCATION AND CONNECTIONS AND DETAILS OF THE INTERNAL STORMWATER STORAGE SYSTEM AND PIPING.

PROPOSED SITE FLOWS & STORMWATER MANAGEMENT TABLE											
DESIGN EVENT	PRE-DEVELOPME	POST-DEVELOPMENT CONDITIONS									
	UNCONTROLLED FLOWS (L/s)	ALLOWABLE RELEASE RATE (L/s)	A-1 FLOW (L/s)	A-2 FLOW (L/s)	TOTAL FLOW (L/s)	TOTAL REQUIRED STORAGE (m³)	REDUCTION IN FLOW (L/s or %)*				
1:2 YR	13.3		1.5	3.2	4.7	5.7	8.6 or 65 %				
1:5 YR	18.0	7.4	2.1	3.2	5.3	9.1	12.7 or 71 %				
1:100 YR	34.3		4.0	3.2	7.2	23.0	27.1 or 79%				

*REDUCED FLOW COMPARED TO UNCONTROLLED PRE-DEVELOPMENT CONDITIONS FROM THE CURRENT 0.069 HA SITE AREA.

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MAY 19, 2023

230-232 LISGAR STREET DRAWING NAME POST-DEVELOPMENT STORM DRAINAGE AREA PLAN

122160 REV # 2 122160-SWM2

PLAN #18902

-01