

	INT	ERNAL SWM S	TORAGE S	SYSTEM		
	DESIGN	STORAGE SYSTEM	STORAGE VOLUMES			
	EVENT	CONTROLLED FLOW	REQUIRED	PROVIDED		
	1:2 YR		18.9 m³			
	1:5 YR	4.5 L/s	28.9 m³	> 69 m³		
	1:100 YR		68.3 m³			
	NOTES:					
	1. ALL DRAINAGE FROM AREA A-2 (ALL ROOF + DECK 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 MECHANICAL PLANS FOR PUMP INFORMATION AND DETAILS OF THE INTERNAL STORMWATER STORAGE SYSTEM.					
EC	<u>GEND:</u>					
		PROPERTY LINE			FFE	
RE	RD o PROPOSED CONTRO		OLLED FLOW ROC	F DRAIN	T/FND	
M) (RM)	PROPOSED WATER	METER AND REM	OTE METER	USF	
		PROPOSED BARRIE	R CURB		Х	
					—]	

DC	DC PROPOSED DEPRESSED CURB	
	PROPOSED BUILDING ENTRANCE	^
	PROPOSED WATER SERVICE	_ >
V&VB	PROPOSED STORM SERVICE	_
$\sim \sim $	PROPOSED VALVE AND VALVE BOX	
нанынымымылылынын	PROPOSED THERMAL INSULATION	<u> </u>
GPRS	PROPOSED GAS PRESSURE REGULATING STATION	X

GENERAL NOTES:

- 1. COORDINATE AND SCHEDULE ALL WORK WITH OTHER TRADES AND CONTRACTORS.
- OR NOT SHOWN ON THIS DRAWING.
- 3. OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF OTTAWA BEFORE COMMENCING CONSTRUCTION.

- CONSTRUCTION, DISINFECTION AND ALL RELEVANT REFERENCES TO OPSS, OPSD & AWWA GUIDELINES ALL CURRENT VERSIONS AND 'AS AMENDED'.
- CONTAMINATED MATERIAL SHALL BE DISPOSED OF AT A LICENSED LANDFILL FACILITY. 8. ALL ELEVATIONS ARE GEODETIC.

ARCHITECTS AS CO-INSURED.

- 10. REFER TO MECHANICAL PLAN FOR UN-CONTROLLED ROOF DRAIN INFORMATION.
- 11. REFER TO ARCHITECT'S AND LANDSCAPE ARCHITECT'S DRAWINGS FOR BUILDING AND HARD SURFACED AREAS AND DIMENSIONS.
- 12. REFER TO THE 'DEVELOPMENT SERVICING STUDY AND STORMWATER MANAGEMENT REPORT' (R-2020-130) PREPARED BY NOVATECH.
- 13. SAW CUT AND KEYGRIND ASPHALT AT ALL ROAD CUTS AND ASPHALT TIE-IN POINTS AS PER CITY OF OTTAWA STANDARDS (R10).

SEWER NOTES:

- 2. SPECIFICATIONS:
- CBMH FRAME AND COVER STORM SERVICE PVC DR 35 SANITARY SERVICE PVC DR 35 BEDDING (GRANULAR 'A') SEWER TRENCH -
- COVER (GRANULAR 'A' OR GRANULAR 'B' TYPE I WITH MAXIMUM PARTICLE SIZE=25mm)
- DETAILS.
- 5. PIPE BEDDING, COVER AND BACKFILL ARE TO BE COMPACTED TO AT LEAST 95% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY. THE USE OF CLEAR CRUSHED STONE AS A BEDDING LAYER SHALL NOT BE PERMITTED.
- 6. INSULATE ALL SEWER PIPES THAT HAVE LESS THAN 1.5m COVER WITH UP TO 125mm THICK HI-40 RIGID INSULATION.
- MATERIAL, SIZES, LENGTHS, SLOPES, INVERT AND T/G ELEVATIONS, STRUCTURE LOCATIONS AND ANY ALIGNMENT CHANGES, ETC.

WATERMAIN NOTES

WATERMAIN TRENCHING THERMAL INSULATION IN SHALLOW TRENCHES THERMAL INSULATION BY OPEN STRUCTURES WATERMAIN CROSSING BELOW SEWERS

CITY OF OTTAWA W22 CITY OF OTTAWA CITY OF OTTAWA W23 CITY OF OTTAWA W25

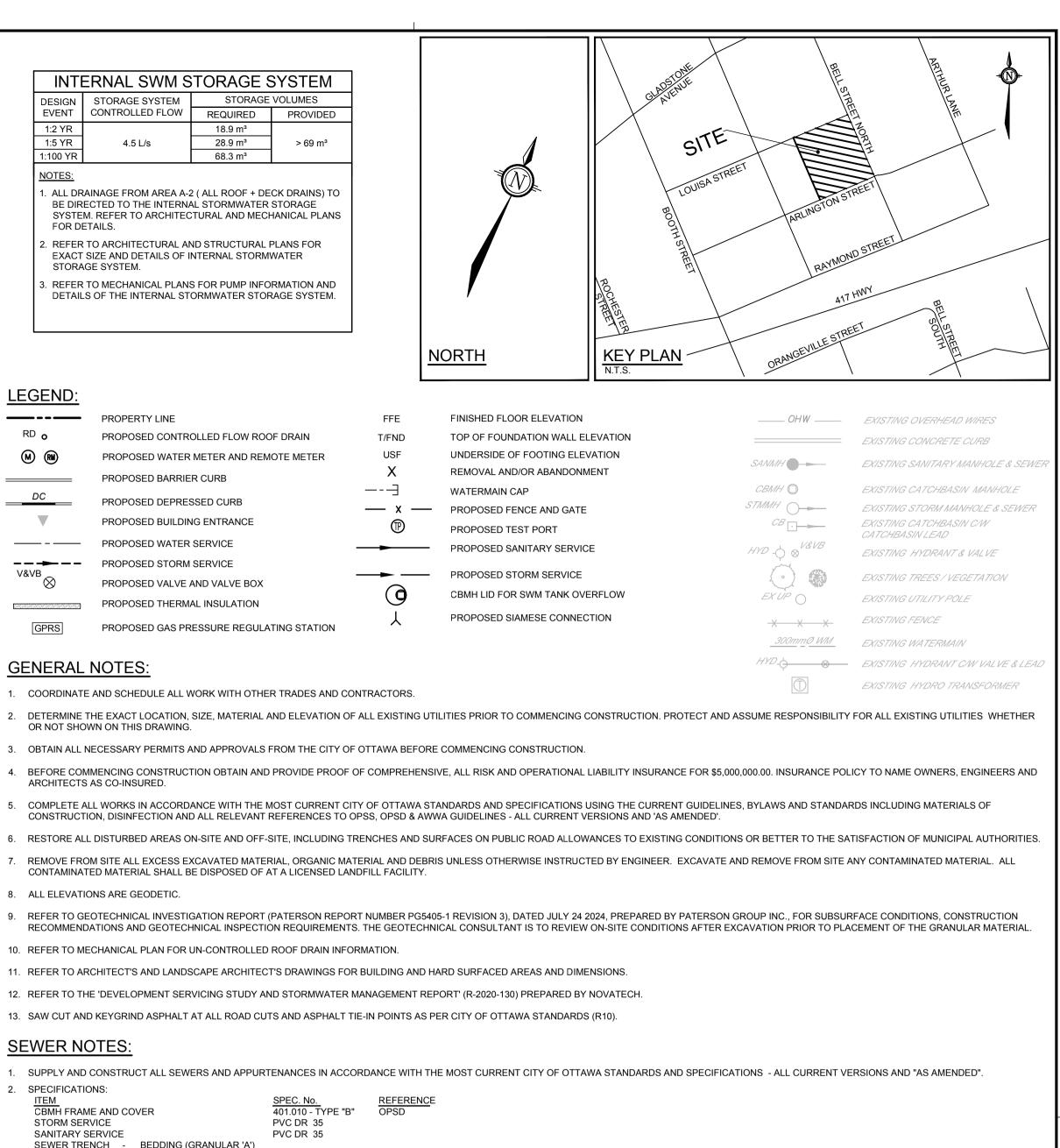
- PVC DR 18 (100mm AND LARGER)
- 4. WATERMAIN SHALL BE MINIMUM 2.4m DEPTH BELOW GRADE UNLESS OTHERWISE INDICATED
- 5. PROVIDE MINIMUM 0.5m CLEARANCE BETWEEN OUTSIDE OF PIPES AT ALL CROSSINGS, UNLESS OTHERWISE INDICATED.
- 6. WATER SERVICE IS TO BE CONSTRUCTED TO WITHIN 1.0m OF FOUNDATION WALL AND CAPPED, UNLESS OTHERWISE INDICATED

	PROPOS	POSED 150mmØ WATER SERVICE TABLE - LOUISA STREET			
	STATION	SURFACE ELEVATION	T/WM ELEVATION	COMMENTS	
	0+00	71.60±	69.40± *	150mmØ WM CONNECTION TO EX. 150mmØ WM	
	0+05.9	71.83	69.43	150mmØ V&VB	
	0+06.4	71.84	69.45	CAP 0.5m FROM PROPERTY LINE	
CONNECTION TO EXISTING 150mmØ WATERMAIN. EXACT ELEVATIONS TO BE FIELD DETERMINED.					

****** PROVIDE THERMAL INSULATION AS PER CITY OF OTTAWA DETAIL W22 IN SHALLOW TRENCHES AND/OR CITY OF OTTAWA DETAIL W23 ADJACENT TO OPEN STRUCTURES.

IGN	FOR REVIEW ONLY		
DM / SM		TOPOLOGICA CONTRACTOR	
CKED		ADTESSIOALA	
FST		at the	
WN		S. F.S. THAUVETTE	Engine
DM		9 F.S. THAUVETTE	Suite 2 Otta
CKED		August 7, 2024	Teleph
SM			Facsimi
ROVED		BOINNCE OF ONTARIO	Websit
FST		A CONTRACTOR OF A CONTRACTOR O	

- PRESENCE OF A CERTIFIED PROFESSIONAL ENGINEER WHO SHALL SUBMIT A CERTIFIED COPY OF THE TEST RESULTS.
- 2. SPECIFICATIONS:
- WATERMAIN MATERIAL
- CITY OFFICIALS. EXCAVATION, INSTALLATION OF SERVICE, BACKFILL AND RESTORATION BY THE CONTRACTOR.



3. THE SANITARY SERVICE LATERAL SHALL BE EQUIPPED WITH A BACKFLOW PREVENTER WITHIN THE BUILDING FOOTPRINT AS PER CITY OF OTTAWA STANDARD DETAILS S14.1 OR S14.2. REFER TO MECHANICAL PLANS FOR 4. THE STORM SERVICE LATERAL SHALL BE EQUIPPED WITH A BACKFLOW PREVENTER WITHIN THE BUILDING FOOTPRINT AS PER CITY OF OTTAWA STANDARD DETAILS S14. REFER TO MECHANICAL PLANS FOR DETAILS.

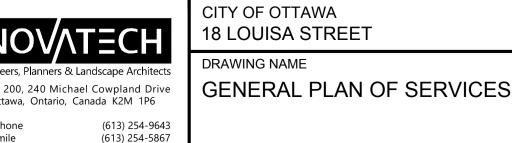
7. CONTRACTOR TO PROVIDE THE CONSULTANT WITH A GENERAL PLAN OF SERVICES INDICATING ALL APPLICABLE SERVICING AS-BUILT INFORMATION SHOWN ON THIS PLAN. AS-BUILT INFORMATION MUST INCLUDE: PIPE 8. THE OWNER SHALL REQUIRE THAT THE SITE SERVICING CONTRACTOR PERFORM FIELD TESTS FOR QUALITY CONTROL OF ALL SANITARY SEWERS. LEAKAGE TESTING SHALL BE COMPLETED IN ACCORDANCE WITH OPSS 410.07.16, 410.07.16.04 AND 407.07.24. DYE TESTING IS TO BE COMPLETED ON ALL SANITARY SERVICES TO CONFIRM PROPER CONNECTION TO THE SANITARY SEWER MAIN. THE FIELD TESTS SHALL BE PERFORMED IN THE

1. SUPPLY AND CONSTRUCT ALL WATERMAIN AND APPURTENANCES IN ACCORDANCE WITH THE MOST CURRENT CITY OF OTTAWA STANDARDS AND SPECIFICATIONS - ALL CURRENT VERSIONS AND "AS AMENDED".

3. EXCAVATION, INSTALLATION, BACKFILL AND RESTORATION OF ALL WATERMAINS BY THE CONTRACTOR. CONNECTIONS AND SHUT-OFFS AT THE MAIN AND CHLORINATION OF THE WATER SYSTEM SHALL BE PERFORMED BY

PROPOSED 150mmØ WATER SERVICE TABLE - BELL STREET			
STATION SURFACE T/WM ELEVATION COMMENTS		COMMENTS	
1+00	71.60±	69.37± *	150mmØ WM CONNECTION TO EX. 200mmØ WM
1+03.0	71.74	69.34	150mmØ V&VB
1+04.5 71.74 69.34 CROSS UNDER 150mm GAS (T/GAS=70.84±, CLEARANCE =		CROSS UNDER 150mm GAS (T/GAS=70.84±, CLEARANCE = 1.35m±)	
1+05.2	71.75	69.35	CAP 0.5m FROM PROPERTY LINE
CONNECTION TO EXISTING 200mmØ WATERMAIN. EXACT ELEVATIONS TO BE FIELD DETERMINED.			

** PROVIDE THERMAL INSULATION AS PER CITY OF OTTAWA DETAIL W22 IN SHALLOW TRENCHES AND/OR CITY OF OTTAWA DETAIL W23 ADJACENT TO OPEN STRUCTURES.



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LOCATION

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CT No.	Ň
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REV # 3	-7-
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120206-GP	

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