



	PROPERTY LINE
	PROPOSED WATER SERVICE
	PROPOSED HYDRANT <i>clw</i> LEAD & VALVE
	PROPOSED VALVE AND VALVE BOX
	PROPOSED DECK DRAIN (SEE MECHANICAL FOR DETAILS)
	EXISTING UTILITY POLE <i>cw</i> GUY WIRES
	EXISTING WATERMAIN <i>cw</i> VALVE & VALVE CHAMBER
	EXISTING <i>HYDRANT</i> <i>cw</i> VALVE & LEAD
	EXISTING SANITARY MANHOLE & SEWER
	EXISTING STORM MANHOLE & SEWER
	EXISTING CATCHBASIN
	EXISTING FENCE

- 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.
- OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF OTTAWA BEFORE COMMENCING CONSTRUCTION.
- BEFORE COMMENCING CONSTRUCTION OBTAIN AND PROVIDE PROOF OF COMPREHENSIVE, ALL RISK AND OPERATIONAL LIABILITY INSURANCE FOR \$5,000,000.00. INSURANCE POLICY TO NAME OWNERS, ENGINEERS AND ARCHITECTS AS CO-INSURED.
- RESTORE ALL DISTURBED AREAS ON-SITE AND OFF-SITE, INCLUDING TRENCHES AND SURFACES ON PUBLIC ROAD ALLOWANCES TO EXISTING CONDITIONS OR BETTER TO THE SATISFACTION OF THE CITY OF OTTAWA AND ENGINEER.
- REMOVE FROM SITE ALL EXCESS EXCAVATED MATERIAL, ORGANIC MATERIAL, AND DEBRIS UNLESS OTHERWISE INSTRUCTED BY ENGINEER. EXCISE MATERIAL TO BE REMOVED FROM ANY CONTAMINATED MATERIAL, ALL CONTAMINATED MATERIAL SHALL BE DISPOSED OF AT A LICENSED LANDFILL FACILITY.
- ALL ELEVATIONS ARE GEODETIC.
- REFER TO ARCHITECT'S AND LANDSCAPE ARCHITECT'S DRAWINGS FOR BUILDING AND HARD SURFACE AREAS AND DIMENSIONS.
- REFER TO DEVELOPMENT SERVING STUDY & STORMWATER MANAGEMENT REPORT (R-2025-1225) PREPARED BY NOVATECH.
- SAW CUT AND KEY GRIND ASPHALT AT ALL ROAD CUTS AND ASPHALT TIE IN POINTS AS PER CITY OF OTTAWA STANDARDS (R10).
- COMPLETE ALL WORKS IN ACCORDANCE WITH THE MOST CURRENT CITY OF OTTAWA STANDARDS AND SPECIFICATIONS USING THE CURRENT GUIDELINES, BYLAWS AND STANDARDS INCLUDING MATERIALS OF CONSTRUCTION, INSPECTION AND ALL RELEVANT REFERENCE CODES, SPECIFICATIONS & DRAWING CONVENTIONS - ALL CURRENT VERSIONS AND AS SHOWN.
- RESTORE ALL DISTURBED AREAS ON-SITE AND OFF-SITE, INCLUDING TRENCHES AND SURFACES ON PUBLIC ROAD ALLOWANCES TO EXISTING CONDITIONS OR BETTER TO THE SATISFACTION OF THE CITY OF OTTAWA AND ENGINEER.

SPECIFICATIONS:		SPEC. No.	REFERENCE
ITEM		W17	CITY OF OTTAWA
1.	WATERMAIN TRENCHING	W22	CITY OF OTTAWA
	THERMAL INSULATION IN SHALLOW TRENCHES		
	CONCRETE THRUST BLOCKS (UNDER 400mmØ)	W25.3	CITY OF OTTAWA
	THRUST BLOCK TABLE (UNDER 400mmØ)	W25.4	CITY OF OTTAWA
	WATERMAIN CROSSING BELOW SEWER	W26	CITY OF OTTAWA
	WATERMAIN CROSSING ABOVE SEWER	W25.2	CITY OF OTTAWA
	WATERMAIN	PVC DR 18	
2.	SURPLY AND CONSTRUCT ALL WATERMANS AND APPURTENANCES IN ACCORDANCE WITH THE CITY OF OTTAWA STANDARDS AND SPECIFICATIONS, EXCAVATION, INSTALLATION, BACKFILL AND RESTORATION OF ALL WATERMANS BY THE CONTRACTOR. CONNECTIONS AND SHUT-OFFS AT THE MAIN AND CHLORINATION OF THE WATER SYSTEM SHALL BE PERFORMED BY CITY OF OTTAWA.		
3.	EXCAVATION, INSTALLATION, BACKFILL AND RESTORATION OF ALL WATERMANS BY THE CONTRACTOR. CONNECTIONS AND SHUT-OFFS AT THE MAIN AND CHLORINATION OF THE WATER SYSTEM SHALL BE PERFORMED BY CITY OFFICIALS. EXCAVATION, INSTALLATION OF SERVICE, BACKFILL AND RESTORATION BY THE CONTRACTOR.		
4.	WATERMAIN SHALL BE MINIMUM 2.4m depth BELOW GRADE UNLESS OTHERWISE INDICATED, WHERE DEPTH OF COVER IS LESS THAN 2.4m, WATERMAIN SHALL BE INSULATED PER CITY OF OTTAWA STANDARD DETAIL W22. WATERMAIN SHALL BE INSULATED BY OPEN STRUCTURES PER W23.		
5.	PROVIDE MINIMUM 0.25m CLEARANCE BETWEEN OUTSIDE OF PIPES AT ALL CROSSINGS.		
6.	WATER SERVICE IS TO BE CONSTRUCTED TO WITHIN 1.0m OF FOUNDATION WALL AND CAPPED, UNLESS OTHERWISE INDICATED.		

WATERMAIN TABLE			
Station	F/G ELEVATION	TOP OF WATERMAIN	DESCRIPTION
2+000.00	62.65	60.25	TEE
2+006.34	62.61	60.21	CAP 1.0m FROM BUILDING

WATERMAIN TABLE			
Station	F/G ELEVATION	TOP OF WATERMAIN	DESCRIPTION
3+000.00	61.31	58.91	CONNECT TO EX. 200WM WITH 45° BEND.
3+001.43	61.29	58.89	45°
3+002.35	61.29	58.89	V&VB
3+003.83	61.30	58.90	CAP 1.0m FROM BUILDING

				<div> <div>SCALE</div> <div>DESIGN</div> <div>CHECKED</div> <div>DRAWN</div> <div>CHECKED</div> <div>APPROVED</div> </div>	
				<div> <div>1:250</div> <div>1:250</div> <div>0 2 4 6 8 10</div> </div>	
1.	ISSUED FOR SPC APPLICATION			NOV 7/25	MS
No.	REVISION			DATE	BY
					JLS

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DRAWING NAME

GENERAL PLAN OF SERVICES

PROJECT No.	125090-00
REV	REV # X
DRAWING No.	125090-GP