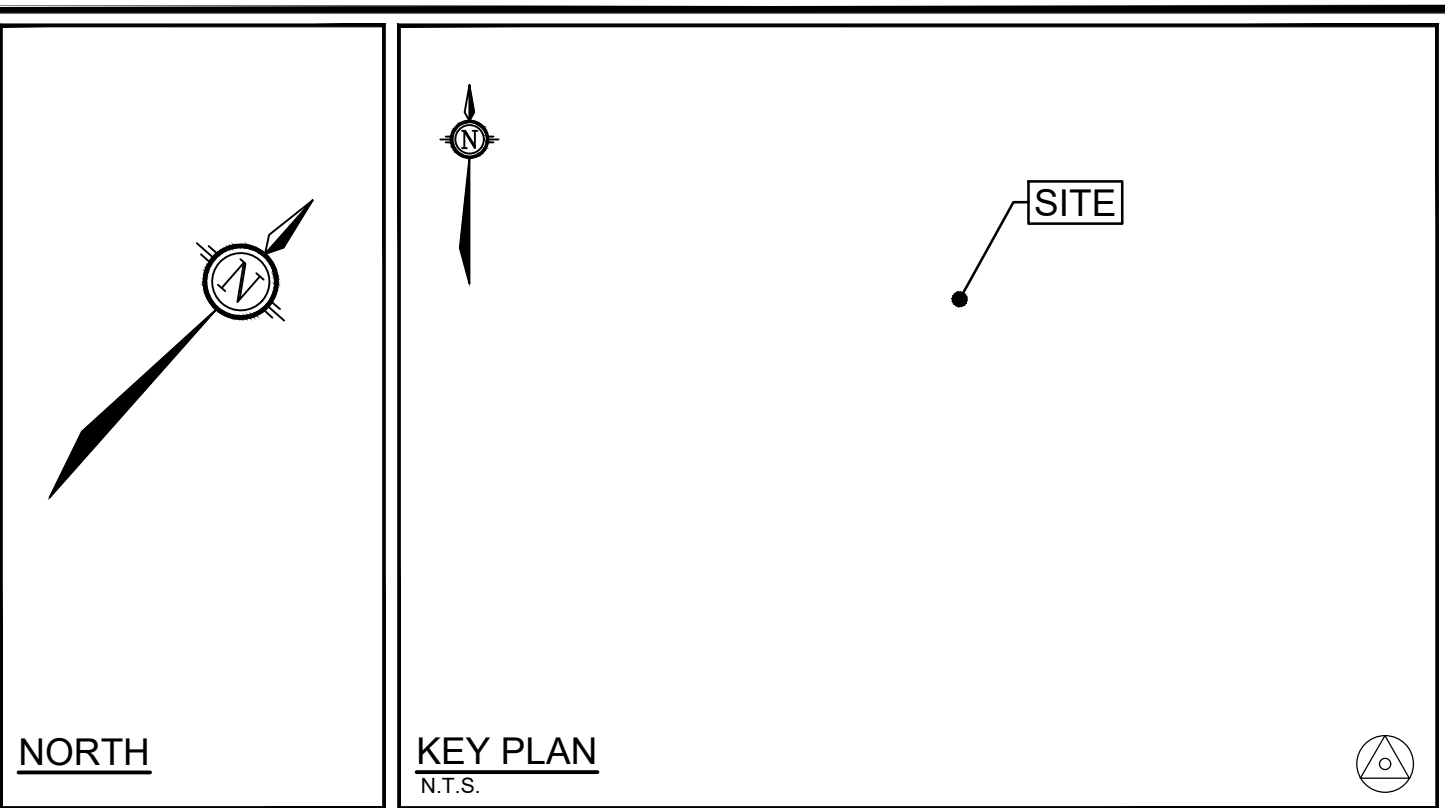


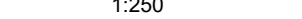


- | LEGEND | |
|---|---|
| <hr/> | |
| | PROPERTY LINE |
| | PROPOSED WATER SERVICE |
|  | PROPOSED HYDRANT c/w LEAD & VALVE |
|  | PROPOSED VALVE AND VALVE BOX |
|  | PROPOSED DECK DRAIN (SEE MECHANICAL FOR DETAILS) |
|  | <i>EXISTING UTILITY POLE C/W GUY WIRES</i> |
|  | <i>EXISTING WATERMAIN C/W VALVE & VALVE CHAMBER</i> |
|  | <i>EXISTING HYDRANT C/W VALVE & LEAD</i> |
|  | <i>EXISTING SANITARY MANHOLE & SEWER</i> |
|  | <i>EXISTING STORM MANHOLE & SEWER</i> |
|  | <i>EXISTING CATCHBASIN</i> |
|  | <i>EXISTING FENCE</i> |

- 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 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 ALL EXISTING MATERIALS, INCLUDING EXCAVATED MATERIAL, FROM THE PROJECT AREA UNLESS OTHERWISE INSTRUCTED BY ENGINEER. EXCAVATE AND REMOVE FROM SITE 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 AND 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 WORKINGS 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 REFERENCES TO THE CANADIAN AND AWWA GUIDELINES - ALL CURRENT VERSIONS AND AS AMENDED.
- 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:		
ITEM	SPEC. No.	REFERENCE
WATERMAIN TRENCHING	W17	CITY OF OTTAWA
THERMAL INSULATION IN SHALLOW TRENCHES	W22	CITY OF OTTAWA
CONCRETE THIRST BLOCKS (UNDER 400mmØ)	W23	CITY OF OTTAWA
THIRST BLOCK TABLE (UNDER 400mmØ)	W24	CITY OF OTTAWA
WATERMAIN CROSSING BELOW SEWER	W25	CITY OF OTTAWA
WATERMAIN CROSSING ABOVE SEWER	W26	CITY OF OTTAWA
WATERMAIN	DR 18	
2. SUPPLY 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 FORCE. 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.		
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.		
6. PROVIDE MINIMUM 0.25m CLEARANCE BETWEEN INSULATION OF PIPES AT ALL CROSSINGS.		
1. WATER SERVICE IS TO BE CONSTRUCTED TO WITHIN 1.0m OF FOUNDATION WALL AND CAPPED, UNLESS OTHERWISE INDICATED.		

WATERMAIN TABLE			
Station	FIG 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

				SCALE		DESIGN
				1:250		CV
						CHECKED
						MS
				1:250		DRAWN
						CV
						CHECKED
						MS
1.	ISSUED FOR SPC APPLICATION			NOV 7/25	MS	APPROVED
No.	REVISION			DATE	BY	JLS

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