



**LEGEND**

—	PROPERTY LINE	—	PROPOSED BUILDING ENTRANCE
—	PROPOSED CURB	—	PROPOSED FIREWALL
—	PROPOSED DEPRESSED CURB	—	PROPOSED GARBAGE COLLECTION BINS
—	PROPOSED TWISI	—	PROPOSED BIKE RACKS (REFER TO ARCHITECTURAL PLANS)
—	PROPOSED FOUNDATION WALL C/W RAILING	—	PROPOSED PERGOLA STRUCTURE (REFER TO ARCHITECTURAL PLANS)
—	PROPOSED CAP	—	PROPOSED CROSSWALK PAINTING
—	PROPOSED SANITARY SERVICE c/w MANHOLE	—	PROPOSED LINE PAINTING
—	PROPOSED STORM SEWER AND MANHOLE	—	PROPOSED ROOF LIMITS
—	PROPOSED CATCHBASIN MANHOLE	—	PROPOSED TRANSFORMER (REFER TO ELECTRICAL PLANS)
—	PROPOSED CATCHBASIN	—	DIRECTION OF FLOW
—	PROPOSED AREA DRAIN (REFER TO MECHANICAL FOR DETAILS)	—	EXISTING UTILITY POLE C/W GUY WIRES
—	PROPOSED LANDSCAPE DRAIN	—	EXISTING WATERMAIN C/W VALVE & VALVE CHAMBER
—	PROPOSED ROOF DRAINS	—	EXISTING HYDRANT C/W VALVE & LEAD
—	PROPOSED TRENCH DRAIN	—	EXISTING SANITARY MANHOLE & SEWER
—	PROPOSED INLET CONTROL DEVICE	—	EXISTING STORM MANHOLE & SEWER
—	PROPOSED PIPE CROSSING (REFER TO 123050-ND FOR DETAILS)	—	EXISTING CATCHBASIN
—	PROPOSED SIAMSE CONNECTION	—	EXISTING GARBAGE ENCLOSURE
—	PROPOSED WATER SERVICE	—	EXISTING CULVERT
—	PROPOSED HYDRANT c/w LEAD & VALVE	—	EXISTING GAS MAIN
—	PROPOSED VALVE AND VALVE BOX	—	EXISTING HYDRO LINE
—	PROPOSED WATER METER	—	EXISTING STREETLIGHT
—	PROPOSED REMOTE WATER METER	—	EXISTING ROAD SIGNAGE
—	PROPOSED TREE PROTECTION FENCE (REFER TO LANDSCAPE PLANS FOR DETAILS)	—	EXISTING DITCH-BOTTOM OF SLOPE
—	PROPOSED PRIVACY FENCE (REFER TO LANDSCAPE PLANS FOR DETAILS)		

**PIPE CROSSING TABLE**

CROSSING	LOWER PIPE	HIGHER PIPE	CLEARANCE
1	200mm SAN OBV = 85.48	300mm STM INV = 86.46	±0.98m
2	150mm WM OBV = 86.64	250mm STM INV = 87.35	±0.71m
3	150mm WM OBV = 86.76	250mm STM INV = 87.32	±0.56m

**PROPOSED 150mmØ WATER SERVICE (1+000.0)**

STATION	SURFACE ELEVATION	T/MW ELEVATION	COMMENTS
1+000.0	88.93	85.55*	TEE CONNECTION TO EXISTING 400mmØ WATERMAIN
1+009.3	89.18	86.78	VALVE AND VALVE BOX
1+013.1	89.04	86.64	CROSS UNDER 250mm STM (C/W ±0.71m CLEARANCE)
1+019.4	88.92	86.59	CAP SERVICE 1.0m FROM THE FOUNDATION WALL

**PROPOSED 150mmØ WATER SERVICE (2+000.0)**

STATION	SURFACE ELEVATION	T/MW ELEVATION	COMMENTS
2+000.0	88.97	85.55*	TEE CONNECTION TO EXISTING 400mmØ WATERMAIN
2+009.3	89.26	86.86	VALVE AND VALVE BOX
2+011.2	89.21	86.81	200x150mm TEE
2+013.1	89.16	86.76	CROSS UNDER 250mm STM (C/W ±0.56m CLEARANCE)
2+015.3	89.11	86.71	VALVE AND VALVE BOX
2+019.4	89.04	86.59	CAP SERVICE 1.0m FROM THE FOUNDATION WALL

\* CONTRACTOR TO CONFIRM THE ELEVATION OF THE EXISTING WATER MAIN AND NOTIFY THE ENGINEER IF DIFFERENT

- NOTE:**
- ALL SERVICE CONNECTIONS AND CATCHBASIN CONNECTIONS TO BE MADE PER CITY OF OTTAWA DETAIL S11 AND S11.2
  - BACKWATER VALVES TO BE PROVIDED ON ALL STORM AND SANITARY LATERALS AS PER CITY OF OTTAWA DETAILS S14, S14.1, AND S14.2. DOWNSTREAM OF ANY GRAVITY OUTLET FROM THE BUILDING. REFER TO MECHANICAL PLANS FOR DETAIL
  - ALL FLOWS FROM THE UNDERGROUND PARKING GARAGE ARE TO BE CONVEYED TO THE SANITARY SERVICE. SANITARY FLOWS ARE TO BE PUMPED TO THE PROPOSED SANITARY SERVICE (TYP)
  - PROPOSED SERVICES TO BE SLEEVED THROUGH FOUNDATION WALL. FOUNDATION DRAINS TO BE PUMPED TO STORM SERVICE.
  - REFER TO MECHANICAL DRAWINGS FOR FURTHER DETAILS ON INTERNAL PLUMBING (TYP)
  - PROPOSED AREA DRAINS, ROOF DRAINS AND TRENCHDRAINS ARE TO BE CONVEYED VIA THE INTERNAL PLUMBING TO THE PROPOSED STORM SERVICE CONNECTION TO STMMH 101. REFER TO THE MECHANICAL DRAWINGS FOR DETAILS

REFER TO 123050 - ND FOR ADDITIONAL NOTES & DETAILS

**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.

No.	REVISION	DATE	BY
6.	REVISED PER CITY COMMENTS	NOV 29/2024	ARM
5.	REVISED PER CITY COMMENTS	NOV 04/2024	ARM
4.	REVISED PER CITY COMMENTS	AUG 09/24	ARM
3.	REVISED PER UPDATED SITE PLAN	JUNE 10/24	ARM
2.	REVISED PER CITY COMMENTS	APR 23/24	ARM
1.	ISSUED FOR SITE PLAN APPLICATION	JULY 31/23	GJM

**SCALE**

1:250

**DESIGN**

ARM

**CHECKED**

GJM

**DRAWN**

ARM/CJF

**CHECKED**

GJM

**APPROVED**

GJM

**PROFESSIONAL ENGINEER**

A.R. MESTWARP

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PROVINCE OF ONTARIO

**PROFESSIONAL ENGINEER**

G.J. MacDONALD

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PROVINCE OF ONTARIO

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**LOCATION**

CITY OF OTTAWA

CASSETTE COMMONS - 119 RYAN REYNOLDS WAY

**DRAWING NAME**

GENERAL SERVICING PLAN

**PROJECT No.**

123050

**REV**

REV #6

**DRAWING No.**

123050-GP

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