



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 SIAMSESE CONNECTION | — | EXISTING CULTVERT |
| — | PROPOSED WATER SERVICE | — | EXISTING GAS MAIN |
| — | PROPOSED HYDRANT c/w LEAD & VALVE | — | EXISTING HYDRO LINE |
| — | PROPOSED VALVE AND VALVE BOX | — | EXISTING STREETLIGHT |
| — | PROPOSED WATER METER | — | EXISTING ROAD SIGNAGE |
| — | PROPOSED REMOTE WATER METER | — | EXISTING DITCH-BOTTOM OF SLOPE |
| — | PROPOSED TREE PROTECTION FENCE (REFER TO LANDSCAPE PLANS FOR DETAILS) | — | |
| — | PROPOSED PRIVACY FENCE (REFER TO LANDSCAPE PLANS FOR DETAILS) | — | |

PIPE CROSSING TABLE

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

NOVATECH

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LOCATION
CITY OF OTTAWA
CASSETTE COMMONS - 119 RYAN REYNOLDS WAY

DRAWING NAME
GENERAL SERVICING PLAN

PROJECT No.
123050

REV #6

DRAWING No.
123050-GP

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