

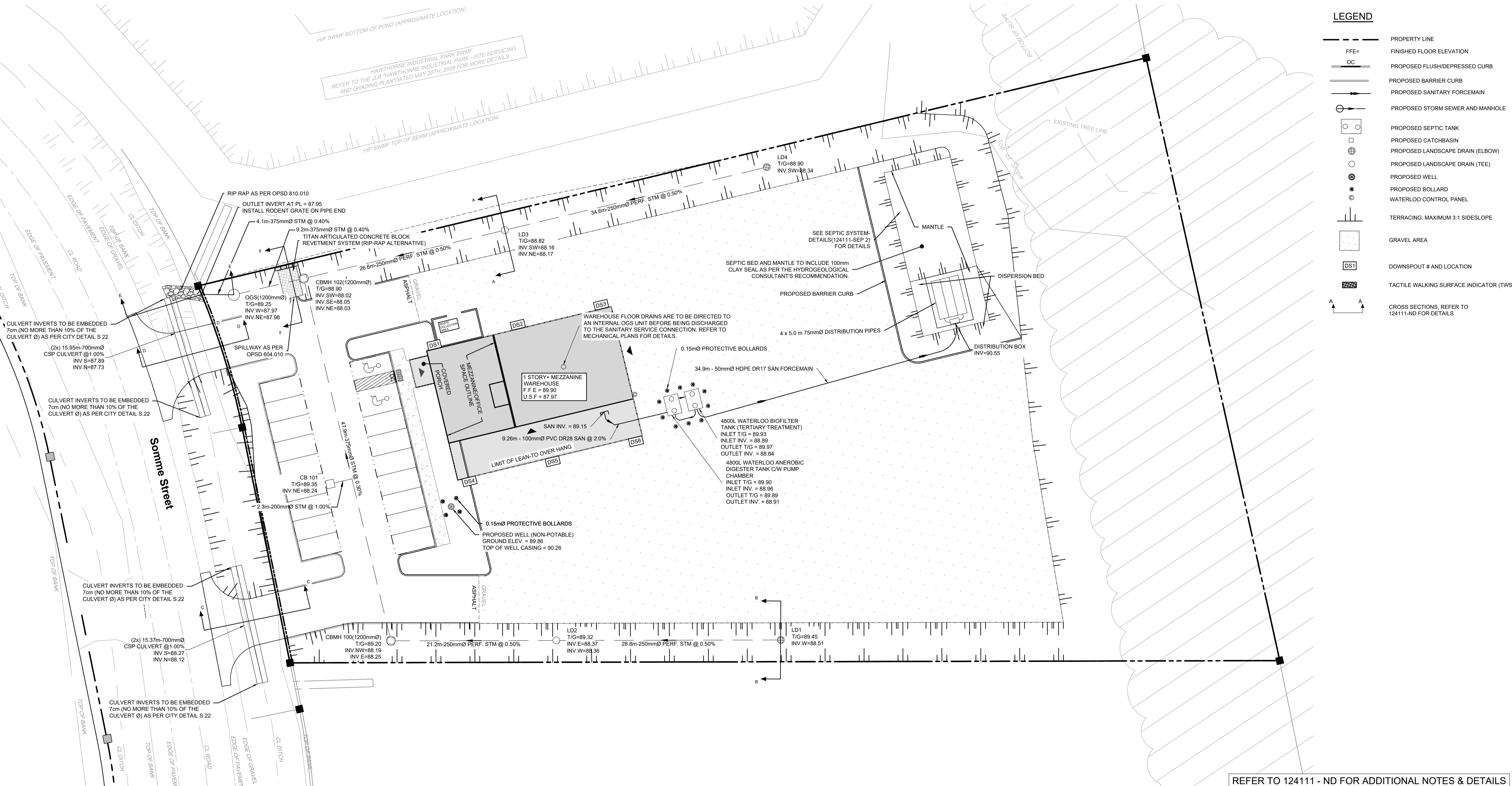
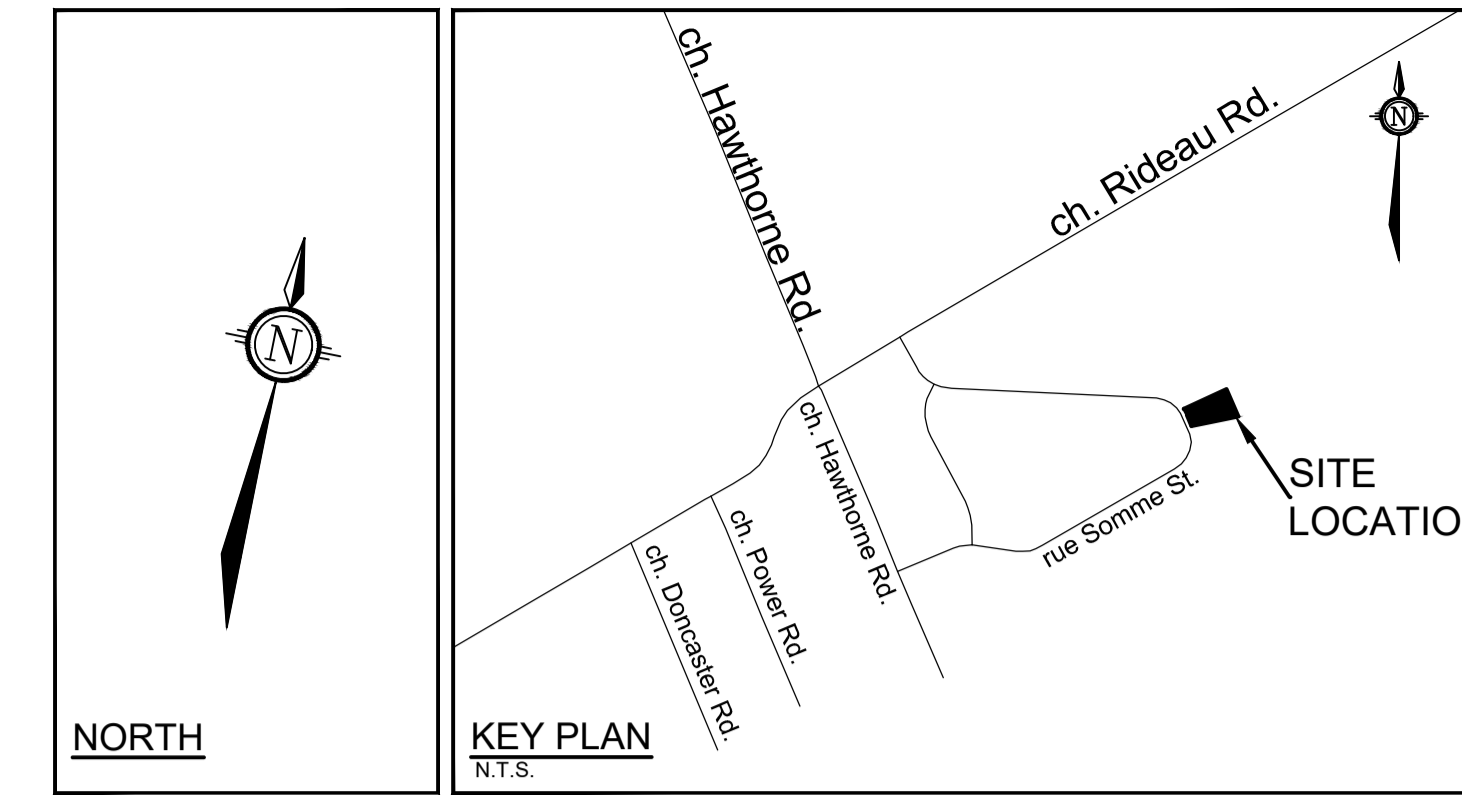
**GENERAL NOTES:**

- 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. EXCAVATE AND REMOVE FROM SITE ANY CONTAMINATED MATERIAL. ALL CONTAMINATED MATERIAL SHALL BE DISPOSED OF AT A LICENSED LANDFILL FACILITY.
- ALL ELEVATIONS ARE GEODETIC AND ARE REFERRED TO THE CGVD28 GEODETIC DATUM. BEARINGS ARE REFERENCED TO THE CENTRAL MERIDIAN OF MTH ZONE 9, NAD83 (CSRS)(2010). REFER TO "PLAN OF SURVEY OF BLOCK 2, REGISTERED PLAN 4M-1388, CITY OF OTTAWA, BY ANNIS O'SULLIVAN VOLLBEKK LTD.

**SEWER NOTES:**

- SPECIFICATIONS:
 

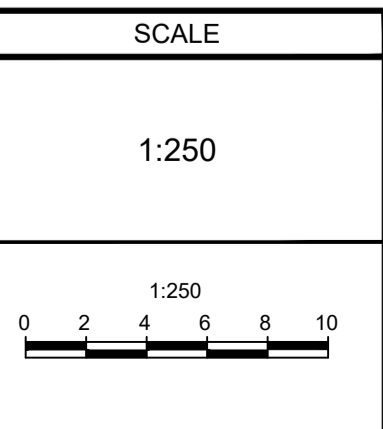
| ITEM                      | SPEC. No.  | REFERENCE |
|---------------------------|------------|-----------|
| CATCHBASIN (600x600mm)    | 705.010    | OPSD      |
| STORM MANHOLE (1200Ø)     | 701.010    | OPSD      |
| CB, FRAME & COVER         | 400.020    | OPSD      |
| STORM MH FRAME & COVER    | 401.010    | OPSD      |
| SEWER TRENCH -            |            |           |
| STORM SEWER               |            |           |
| CATCHBASIN LEAD           | PVC DR 35  |           |
| LANDSCAPE DRAINS          | S30 & S31  |           |
| LANDSCAPE PERFORATED PIPE | S29        |           |
| SANITARY FORCEMAIN        | HDPE DR 17 |           |
| SANITARY SERVICE          | PVC DR 28  |           |
- INSULATE ALL PIPES (SAN/STM) THAT HAVE LESS THAN 2.0 m COVER WITH INSULATION. PROVIDE 150mm CLEARANCE BETWEEN PIPE AND INSULATION.
- SERVICES ARE TO BE CONSTRUCTED TO 1.0m FROM FACE OF BUILDING AT A MINIMUM SLOPE OF 1.0%.
- A MINIMUM OF 150mm OF OPSS GRANULAR A SHOULD BE PLACED FOR BEDDING FOR PRIVATE SEWER OR WATER PIPES WHEN PLACED ON A SOIL SUBGRADE. THE BEDDING SHOULD BE EXTENDED FROM THE SPRING LINE TO A MINIMUM OF 300mm ABOVE THE OVERTOP OF THE PIPE, AND SHOULD CONSIST OF OPSS GRANULAR A.
- PIPE BEDDING, COVER AND BACKFILL ARE TO BE COMPACTED TO AT LEAST 98% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY. THE USE OF CLEAR CRUSHED STONE AS A BEDDING LAYER SHALL NOT BE PERMITTED.
- FLEXIBLE CONNECTIONS ARE REQUIRED FOR CONNECTING PIPES TO MANHOLES (FOR EXAMPLE KOR-N-SEAL, PSX, POSITIVE SEAL AND DURASEAL). THE CONCRETE CRADLE FOR THE PIPE CAN BE ELIMINATED.
- 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, 410.07.18.04 AND 407.07.24. THE FIELD TESTS SHALL BE PERFORMED IN THE PRESENCE OF A CERTIFIED PROFESSIONAL ENGINEER WHO SHALL SUBMIT A CERTIFIED COPY OF THE TEST RESULTS.
- STORM MANHOLES AND CBMHs ARE TO HAVE 300mm SUMPS UNLESS OTHERWISE INDICATED.
- CONTRACTOR TO TELEVISION (CCTV) ALL PROPOSED SEWERS, 200mmØ OR GREATER PRIOR TO BASE COURSE ASPHALT (EXCLUDING 250mmØ PERFORATED PIPE). UPON COMPLETION OF CONTRACT, THE CONTRACTOR IS RESPONSIBLE TO FLUSH AND CLEAN ALL SEWERS & APPURTENANCES.



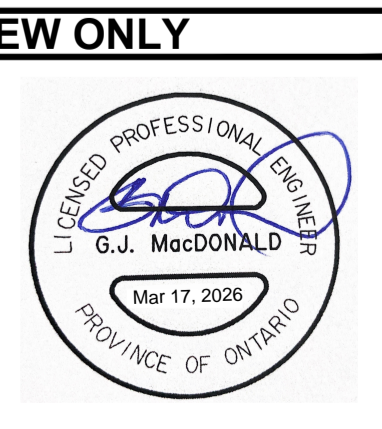
REFER TO 124111 - ND FOR ADDITIONAL NOTES & DETAILS

**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  |
|-----|----------------------------------|-------------|-----|
| 4.  | ISSUED FOR SITE PLAN APPROVAL    | MAR 17/2026 | GJM |
| 3.  | ISSUED TO ADDRESS CITY COMMENTS  | FEB 06/2026 | GJM |
| 2.  | ISSUED TO ADDRESS CITY COMMENTS  | SEP 23/2025 | GJM |
| 1.  | ISSUED FOR SITE PLAN APPLICATION | JUN 03/2025 | GJM |



| DESIGN   | ARM |
|----------|-----|
| CHECKED  | ARM |
| DRAWN    | RJG |
| CHECKED  | ARM |
| APPROVED | GJM |



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LOCATION  
CITY OF OTTAWA  
541 SOMME STREET

DRAWING NAME  
**GENERAL PLAN OF SERVICES**

PROJECT No. 124111  
REV # 4  
DRAWING No. 124111-GP

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FILE # D07-12-25-0077 PLAN # 19398