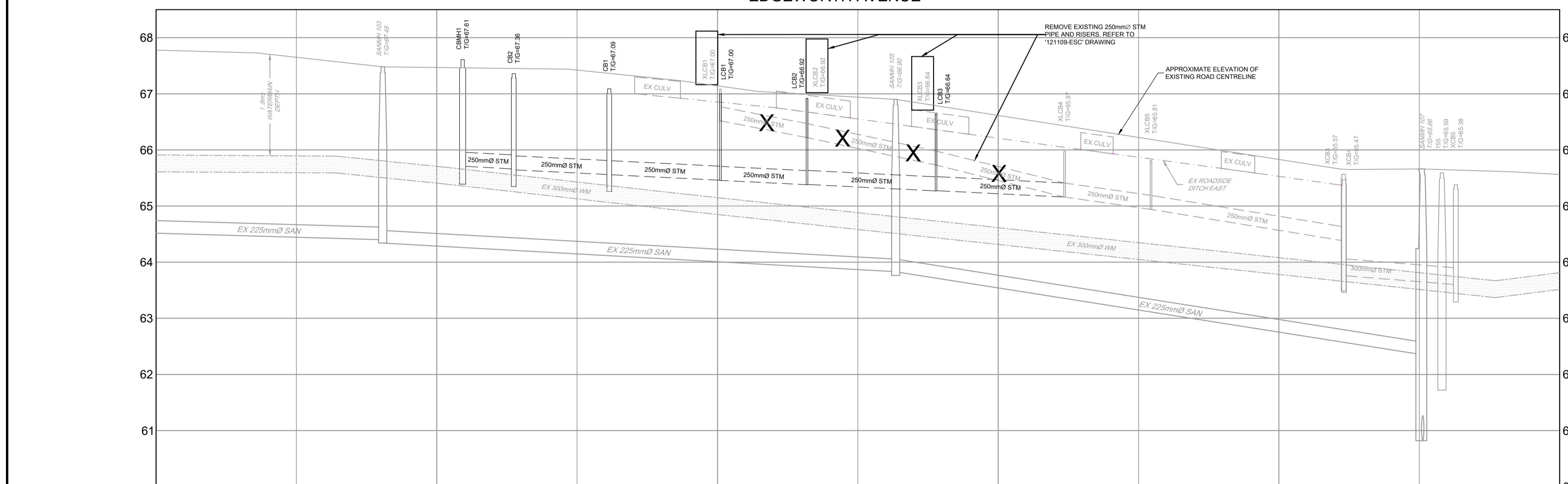


- LEGEND**
- 100 EXISTING SANITARY MANHOLE, SEWER & FLOW DIRECTION
 - 150 EXISTING STORM MANHOLE SEWER & FLOW DIRECTION
 - EX 300mm Ø WM EXISTING WATERMAIN AND DIAMETER
 - 150mm Ø WATER SERVICE AND DIAMETER
 - VB1 VALVE & VALVE BOX
 - SANITARY SERVICE AND FLOW DIRECTION
 - STORM SEWER AND FLOW DIRECTION
 - CB3 T/G=67.60 PROPOSED CATCHBASIN
 - LCB3 T/G=66.64 PROPOSED LANDSCAPE TYPE CATCHBASIN
 - PD1 PODIUM DRAIN
 - HYD HYDRANT C/W VALVE & LEAD
 - FDC FIRE DEPARTMENT CONNECTION
 - CAP

- GENERAL NOTES:**
- DIMENSIONS AND LAYOUT INFORMATION SHALL BE CONFIRMED PRIOR TO COMMENCEMENT OF CONSTRUCTION.
 - THE ORIGINAL TOPOGRAPHY AND GROUND ELEVATIONS, SERVICING AND SURVEY INFORMATION SHOWN ON THIS PLAN ARE SUPPLIED FOR INFORMATION PURPOSES ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE ACCURACY OF ALL INFORMATION OBTAINED FROM THIS PLAN.
 - CO-ORDINATE AND SCHEDULE ALL WORK WITH OTHER TRADES AND CONTRACTORS.
 - BEFORE COMMENCING CONSTRUCTION, PROVIDE PROOF OF COMPREHENSIVE ALL RISK AND OPERATIONAL LIABILITY INSURANCE INCLUDING BLASTING. INSURANCE POLICY TO NAME THE OWNER, ENGINEER AND THE CITY AS CO-INSURED.
 - CONNECT TO EXISTING SYSTEMS AS DETAILED, INCLUDING ALL RESTORATION WORK NECESSARY TO REINSTATE SURFACES TO EXISTING CONDITIONS OR BETTER.
 - 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 THESE DRAWINGS.
 - OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND APPROVALS BEFORE COMMENCING CONSTRUCTION.
 - RESTORE ALL TRENCHES AND SURFACE FEATURES TO EXISTING CONDITIONS OR BETTER AND TO THE SATISFACTION OF MUNICIPAL AUTHORITIES.
 - REMOVE FROM SITE ALL DEBRIS AND EXCESS EXCAVATED MATERIAL UNLESS OTHERWISE INSTRUCTED BY THE ENGINEER.
 - ALL ELEVATIONS ARE GEODETIC AND UTILIZE METRIC UNITS.
 - REFER TO GEOTECHNICAL INVESTIGATION OTT-23002437-80 - FINAL REPORT, PREPARED BY EXP SERVICES FOR SUBSURFACE CONDITIONS AND CONSTRUCTION RECOMMENDATIONS.
 - PERFORATED PIPE SUB-DRAINS TO BE PROVIDED AT SUBGRADE LEVEL EXTENDING FROM THE ROADSIDE CATCHBASIN FOR A DISTANCE OF 3.0m, PARALLEL TO THE CURB IN TWO DIRECTIONS.

- SEWER NOTES:**
- SPECIFICATIONS:
ITEM: STORM SEWER
SPEC. No.: HDPE
REFERENCE: (CLASS SPECIFIED ON PROFILE DRAWINGS)
 - INSULATE ALL PIPES (SAN/STM) THAT HAVE LESS THAN 1.5m COVER WITH 50mmX1200mm HI-40 INSULATION. PROVIDE 150mm CLEARANCE BETWEEN PIPE AND INSULATION.
 - PIPE BEDDING, COVER AND BACKFILL ARE TO BE COMPACTED TO AT LEAST 95% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY. THE USE OF CLEAR CRUSHED STONE AS A BEDDING LAYER SHALL NOT BE PERMITTED.
 - SEWER SERVICE CONNECTIONS PER CITY OF OTTAWA DETAILS S11 AND S11.1.
 - THE SITE SERVICING CONTRACTOR SHALL PERFORM FIELD TESTS FOR QUALITY CONTROL OF ALL SANITARY SEWERS. LEAKAGE TESTING SHALL BE COMPLETED IN ACCORDANCE WITH OPSS 410.07.16 AND 407.07.24. DYE TESTING IS TO BE COMPLETED ON ALL SANITARY SERVICES TO CONFIRM PROPER CONNECTION TO THE SANITARY SEWER MAIN. THE FIELD TESTS SHALL BE PERFORMED IN THE PRESENCE OF THE ENGINEER.
 - CONTRACTOR TO TELEWISE (CCTV) ALL PROPOSED SEWERS, 200mm Ø OR GREATER PRIOR TO BASE COURSE ASPHALT. UPON COMPLETION OF CONTRACT, THE CONTRACTOR IS RESPONSIBLE TO FLUSH AND CLEAN ALL SEWERS & APPURTENANCES.
 - BUILDING FOUNDATION DRAIN PUMPED TO STORM SERVICE DOWNSHORE OF CISTERN CLEAN OUT.
 - PODIUM DRAINS 1-8 ROUTED TO CISTERN (BY MECHANICAL).



| STATION | 0+025 | 0+050 | 0+075 | 0+100 | 0+125 | 0+150 | 0+175 | 0+200 | 0+225 | |
|------------------------|---|---|--|--|--|--|--|---|--|--|
| TOP OF WM ELEVATION | | | | | | | | | | |
| STORM SEWER INVERTS | | N=67.71 S=65.94 10.0m 250mm Ø STM @ 0.50% | N=67.36 S=65.66 17.0m - 250mm Ø STM @ 0.50% | N=67.09 S=65.36 19.8m - 250mm Ø STM @ 0.50% | N=66.46 S=65.46 15.4m - 250mm Ø STM @ 0.50% | N=66.38 S=65.38 23.0m - 250mm Ø STM @ 0.50% | N=66.27 S=65.27 22.9m - 250mm Ø STM @ 0.50% | N=66.17 S=65.17 15.38m - 250mm Ø STM @ 1.43% | N=66.07 S=65.07 34.32m - 250mm Ø STM @ 1.63% | N=65.97 S=65.07 19.9m - 250mm Ø STM @ 1.63% |
| SANITARY SEWER INVERTS | 99.4m - 225mm Ø Ipx PVC DR 35 SAN @ 0.29% | S=64.47 N=64.54 | 91.4m - 225mm Ø Ipx PVC DR 35 SAN @ 0.56% | | S=63.83 N=63.83 | | 93.9m - 225mm Ø Ipx PVC DR 35 SAN @ 1.58% | | S=62.87 N=62.87 | |
| EXISTING ELEVATION | 67.66 | 67.43 | 67.27 | 67.00 | 66.93 | 66.45 | 66.99 | 66.63 | 66.66 | |
| CHAINAGE | | P+00.38 SAN P+00.47 P+00.54 | | | | P+107.73 SAN P+107.80 | | | P+111.53 STM P+111.53 STM P+112.61 SAN P+112.61 SAN | |

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.

| | | | | | | | | |
|---|--|--|--|--|---|---|--|---|
| <p>2. REVISED PER CITY COMMENTS MAR 24/26 MAB</p> <p>1. ISSUED WITH SITE PLAN APPLICATION OCT 08/25 MAB</p> | | | | <p>SCALE</p> <p>1:500</p> <p>0 5 10 15 20</p> <p>HORIZONTAL</p> <p>1:50</p> <p>0 0.5 1.0 1.5 2.0</p> <p>VERTICAL</p> | <p>DESIGN</p> <p>LRW</p> <p>CHECKED</p> <p>MAB</p> <p>DRAWN</p> <p>LPA</p> <p>CHECKED</p> <p>LRW</p> <p>APPROVED</p> <p>MAB</p> | <p>FOR REVIEW ONLY</p> <p>LICENSED PROFESSIONAL ENGINEER</p> <p>L.R. WILSON</p> <p>100160065</p> <p>PROVINCE OF ONTARIO</p> <p>LICENSED PROFESSIONAL ENGINEER</p> <p>M.A. BISSETT</p> <p>2026.03.24</p> <p>PROVINCE OF ONTARIO</p> | <p>NOVATECH</p> <p>Engineers, Planners & Landscape Architects</p> <p>Suite 200, 240 Michael Cowpland Drive</p> <p>Ottawa, Ontario, Canada K2M 1P6</p> <p>Telephone (613) 254-9643</p> <p>Facsimile (613) 254-5867</p> <p>Website www.novatech-eng.com</p> | <p>CITY OF OTTAWA</p> <p>500 & 508 EDGEWORTH AVENUE</p> <p>PROJECT No. 121109</p> <p>REV # 2</p> <p>DRAWING No. 121109-PR</p> |
|---|--|--|--|--|---|---|--|---|

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