

- LEGEND**
- SAN MH 1 - PROPOSED SANITARY MH & SEWER (WT/WATERTIGHT LID)
  - CBMH 3 - PROPOSED CATCHBASIN MANHOLE & SEWER c/w RADIAL SUBDRAINS (PER GEOTECHNICAL REPORT)
  - STM MH 1 - PROPOSED STORM MANHOLE & SEWER
  - DC - PROPOSED BARRIER CURB
  - 200mmØ - PROPOSED DEPRESSED CURB
  - VB - PROPOSED WATERMAIN AND DIAMETER
  - BEND - PROPOSED BEND AND THRUSTBLOCK 11.25°, 22.5°, 45° or TEE
  - ICD - PROPOSED CAP
  - ICD - PROPOSED INLET CONTROL DEVICE
  - RD - CONTROLLED FLOW ROOF DRAIN
  - TH - THERMAL INSULATION FOR SHALLOW SEWERS
  - CE - PROPOSED BUILDING ENTRANCE
  - C.S. - PROPOSED CLAY SEAL SEEPAGE BARRIER (PER GEOTECHNICAL REPORT)
  - W/M - PROPOSED WATER METER AND REMOTE METER
  - QTS - PROPOSED STORMWATER QUALITY TREATMENT UNIT (CDS MODEL PMSU 20\_20\_5)
  - EX CONCRETE CURB - EXISTING CONCRETE CURB
  - EX SANITARY MH AND SEWER - EXISTING SANITARY MANHOLE AND SEWER
  - EX CBMH - EXISTING CATCHBASIN MANHOLE
  - EX STM MH - EXISTING STORM MANHOLE AND SEWER
  - EX CE - EXISTING CATCHBASIN CW
  - EX HYD - EXISTING HYDRANT
  - EX UP - EXISTING UTILITY POLE CW GUY WIRES
  - EX WM - EXISTING WATERMAIN
  - EX HYD - EXISTING HYDRANT CW VALVE & LEAD
  - EX LS - EXISTING LIGHT STANDARD
  - EX FENCE - EXISTING FENCE
  - EX UG - EXISTING OVERHEAD UTILITY WIRES

**CRITICAL PIPE CROSSING TABLE**

CROSSING	LOWER PIPE	HIGHER PIPE	CLEARANCE	SURFACE ELEVATION
1	250mmØ SAN OBV=86.49	375mmØ STM INV=87.03	± 0.55m	90.02 m
2	250mmØ SAN OBV=87.13	300mmØ STM INV=87.83	± 0.5m	90.18 m

**BENCHMARK INFO:**  
 JOB BENCHMARK: TOP OF SPINDLE OF EXISTING ON-SITE FIRE HYDRANT LOCATED ALONG THE NORTH-EAST CORNER OF THE INTERSECTION OF BANK STREET AND HUNT CLUB ROAD APPROXIMATELY 2.1m OFF THE BACK OF THE EXISTING MUNICIPAL SIDEWALK AND NEAR THE MAIN FEATURE WALL / ON-SITE WATERFORD SIGNAGE.  
 GEODETIC ELEVATION = 92.40m.  
 THE EXISTING GRADES SHOWN ON THE PLANS ARE TAKEN DIRECTLY FROM TOPOGRAPHICAL SURVEY PLAN (Ref. # 17786-19 Zlepniq), PREPARED BY ANNIS, O'SULLIVAN, VOLLEBECK WITH LATEST REVISIONS ADDED SEPTEMBER 26, 2019.  
 THE BOUNDARY INFORMATION IS TAKEN FROM THE SAME TOPO SURVEY PLAN AND WAS COMPILED BY THE OLS BASED ON THEIR OFFICE RECORDS, REGISTRY OFFICE SEARCH AND FIELD WORKS.  
 SURROUNDING BACKGROUND TOPO INFORMATION BEYOND THE LIMITS OF THE SITE SURVEY ARE SHOWN FROM CITY OF OTTAWA 1:2000 MAPPING AND COMPILED UCC MAPPING AND IS PROVIDED FOR CONTEXT ONLY.

REFER TO PLAN 119247-NDT FOR NOTES, DETAILS AND TABLES.  
 ALL NOTES, DETAILS AND SPECIFICATIONS ARE TO MEET THE CURRENT CITY AND PROVINCIAL STANDARDS.

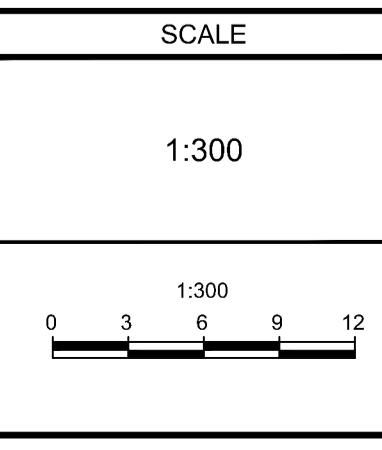
*[Signature]*  
**LILY XU, MCIP, RPP**  
 MANAGER, DEVELOPMENT REVIEW SOUTH PLANNING, INFRASTRUCTURE & ECONOMIC DEVELOPMENT DEPARTMENT, CITY OF OTTAWA

**APPROVED**  
 By Lily Xu at 10:32 am, Nov 12, 2020

**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.

**OWNER INFORMATION**  
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No.	REVISION	DATE	BY
5	RE-SUBMITTED FOR SITE PLAN APPROVAL	OCT 30/20	MS
4	ISSUED FOR BUILDING PERMIT	OCT 6/20	MS
3	REVISED PER CITY COMMENTS	JULY 31/20	MS
2	ISSUED FOR COORDINATION	JULY 28/20	MS
1	ISSUED FOR SITE PLAN APPROVAL	APRIL 30/20	MS



**FOR REVIEW ONLY**

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**Licensed Professional Engineer**  
 M. SAVIC  
 100102651  
 Oct. 30, 2020  
 PROVINCE OF ONTARIO

<b>LOCATION</b> CITY OTTAWA 2425 BANK STREET		<b>PROJECT NO.</b> 119247	
<b>DRAWING NAME</b> WATERFORD OTTAWA SENIORS APARTMENTS		<b>REV # 5</b> REV # 5	
<b>GENERAL PLAN OF SERVICES</b>		<b>DRAWING NO.</b> 119247-GP	

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