

GENERAL NOTES

1. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS OF THE REGIONAL MUNICIPALITY OF HALTON, TOWN OF OAKVILLE AND THE ONTARIO BUILDING CODE (PART 7). ONTARIO PROVINCIAL STANDARD SPECIFICATIONS AND DRAWINGS (OPSS & OPSD) SHALL BE USED IN ABSENCE OF LOCAL STANDARDS.
2. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL ARCHITECTURAL, MECHANICAL AND LANDSCAPE DRAWINGS.
3. ALL INFORMATION SHOWN REGARDING THE LOCATION AND SIZE OF EXISTING UTILITIES AND/OR SERVICES HAS NOT BEEN VERIFIED. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING LOCATION OF UTILITIES PRIOR TO CONSTRUCTION AND PROTECTING AND MAINTAINING DURING CONSTRUCTION.
4. THE CONTRACTOR SHALL CHECK AND VERIFY ALL GIVEN GRADES, DIMENSIONS, AND ELEVATIONS, PRIOR TO CONSTRUCTION AND ANY DISCREPANCIES FOUND PRIOR TO OR DURING CONSTRUCTION SHALL BE CLARIFIED WITH THE ENGINEER.
5. ALL GRADING CHANGES SHALL BE APPROVED BY THE ENGINEER AND TOWN OF OAKVILLE PRIOR TO IMPLEMENTATION. ALL DISTURBED AREAS WITHIN THE PUBLIC R.O.W. TO BE REINSTATED TO THE SATISFACTION OF THE ENGINEERING AND CONSTRUCTION DEPARTMENT. EXISTING SODDED AREAS TO BE REINSTATED WITH 200MM TOPSOIL AND SOD. SIDEWALKS AND PATHWAYS SHALL BE RESTORED WITH MATERIAL TO MATCH ORIGINAL UNLESS OTHERWISE NOTED.
6. CONTRACTOR TO REFER TO GEOTECHNICAL REPORT FOR PAVEMENT CONSTRUCTION AND SUBDRAINAGE DETAILS.
7. ALL WORKS WITHIN THE PUBLIC ROADWAY TO BE RESTORED TO THE SATISFACTION OF THE TOWN OF OAKVILLE ENGINEERING AND CONSTRUCTION DEPARTMENT.
8. RESTORE ROAD AS PER THE TOWN OF OAKVILLE ROAD CUT PERMIT.
9. ALL REMOVED OR DAMAGED CURBS, SIDEWALK, GRANULARS, ASPHALT, AND SOD RESULTING FROM SERVICE INSTALLATION SHALL BE REINSTATED BY SERVING CONTRACTOR TO TOWN OF OAKVILLE STANDARDS.

SERVICING NOTES

1. ALL SERVICES SHALL BE BACKFILLED WITH GRANULAR BACKFILL COMPACTED TO 98% S.P.M.D. NATIVE BACKFILL MAY BE USED WITH THE PERMISSION OF THE GEOTECHNICAL CONSULTANT. BEDDING AND COVER MATERIAL SHALL BE PER THE GEOTECHNICAL CONSULTANT RECOMMENDATIONS.
2. BACKFILLING AND RESTORATION WITHIN THE PUBLIC ROAD SHALL BE IN ACCORDANCE WITH THE TOWN OF OAKVILLE STANDARD AND TO THE SATISFACTION OF THE ENGINEERING & CONSTRUCTION DEPARTMENT.
3. SURROUND ALL MANHOLES WITH A MINIMUM OF 1.5m COMPACTED GRANULAR 'C' BACKFILL.
4. ALL ENDS OF SERVICE CONNECTIONS SHALL BE MARKED WITH 50x100 LUMBER PLACED FROM INVERT OF SERVICE TO 1.0m ABOVE GRADE. IF PROVIDING SERVICE CONNECTIONS UP TO THE PROPERTY LINE (IE. MUNICIPAL WORKS CONNECTION).
5. ALL SEWERS SHALL BE FLUSHED AND CCTV INSPECTED AT COMPLETION.
6. ALL REMOVED OR DAMAGED CURBS, SIDEWALK, GRANULARS, ASPHALT, AND SOD RESULTING FROM SERVICE INSTALLATION SHALL BE REINSTATED BY THE CONTRACTOR TO THE SATISFACTION OF THE MUNICIPALITY.

STORM SEWERS

1. ALL STORM SEWERS 600mm AND SMALLER SHALL BE PVC SDR35 OR ULTRA RIBBED PVC CSA 182.4 WITH BEDDING PER OPSD 802.010. BEDDING MATERIAL SHALL BE CRUSHED STONE (HL-6 GRAVEL AGGREGATE) AND A GRANULAR "C" COVER MATERIAL.
2. ALL STORM MANHOLES SHALL BE 1200mm PER OPSD 701.010 c/w COVER PER OPSD 401.010, UNLESS OTHERWISE NOTED. BENCHING IN MANHOLES AND CATCHBASIN MANHOLES IS TO EXTEND UP TO SPRINGLINE OF THE PIPE.

SANITARY SEWERS

1. SANITARY MANHOLES AS PER O.P.S.D. 701.010 WITH FRAMES AND COVERS AS PER O.P.S.D. 401.010 TYPE "A" (AS AMENDED RESPECTIVELY BY THE REGION OF HALTON) UNLESS OTHERWISE NOTED ON THE DRAWINGS.
2. BENCHING IN MANHOLES TO BE AS PER O.P.S.D. 701.021 AS AMENDED BY THE REGION OF HALTON. BENCHING IN SANITARY MANHOLES TO BE TO THE OVERT OF THE PIPE.
3. SANITARY SEWER PIPE SHALL BE PVC SDR35 (GREEN IN COLOUR) CONFORMING TO CSA B182.2 UNLESS OTHERWISE NOTED.
4. SANITARY SERVICE CONNECTIONS TO BE MINIMUM 2% GRADE AND SHALL BE NON-WHITE IN COLOUR. FOR PVC LATERAL CONNECTIONS, PIPE SHALL BE GREEN IN COLOUR AND DR28 SHALL BE USED.
5. SERVICES TO BE MIN. 3.15M AND MAX. 2.75M DEEP AT PROPERTY LINE. RISERS SHALL BE USED WHERE NOTED AS PER O.P.S.D. 1006.010.
6. GRANULAR "A" BEDDING AND COVER ON ALL SEWERS AND CONNECTIONS TO BE AS PER O.P.S.D. 802.010 UNLESS NOTED OTHERWISE, WITH GRANULAR "B" BACKFILL.
7. GRANULAR BACKFILL AROUND MANHOLES SHALL BE COMPACTED BY MECHANICAL MEANS TO A MINIMUM OF 95% S.P.D.

WATERMAINS

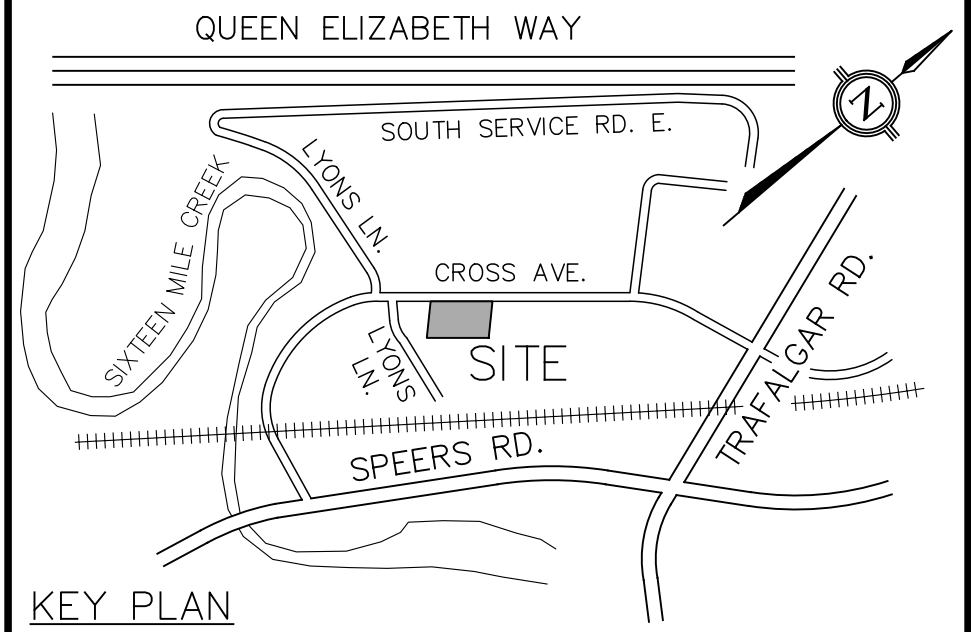
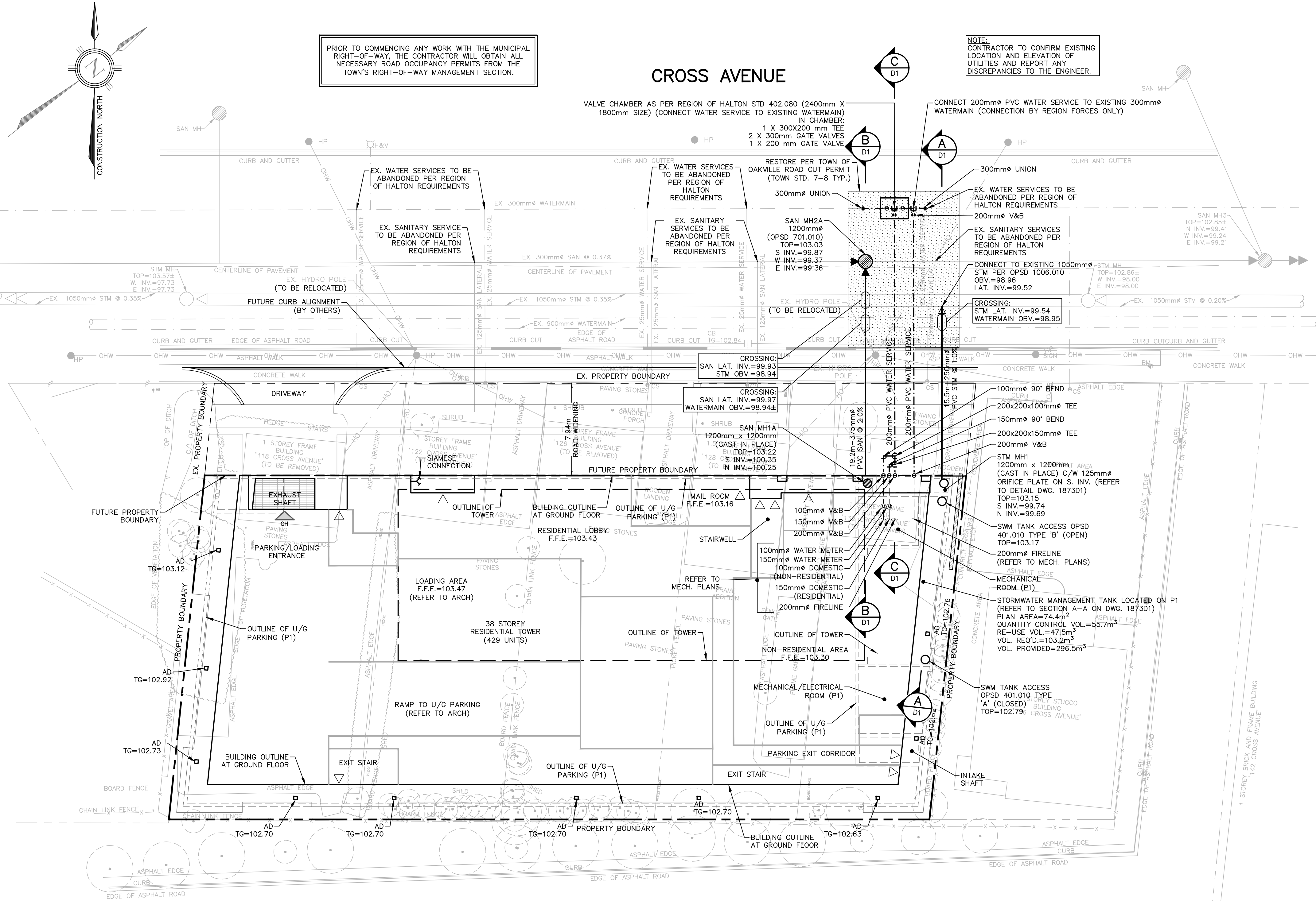
1. WATERMAINS 150mm TO 300mm DIAMETER TO BE P.V.C. CL235 (DR-18) AS PER AWWA C900 (CSA B137.3) WITH GASKETED JOINTS.
2. WATER SERVICE CONNECTIONS TO BE AS PER O.P.S.D. 1104.01. AS AMENDED BY REGION OF HALTON PIPE FOR ALL SERVICE CONNECTIONS UP TO 50mm DIA. SHALL BE TYPE "K" SOFT COPPER TUBING MEETING AWWA C800 (LATEST EDITION).
3. A MIN. HORIZONTAL SEPARATION OF 2.5M MUST BE MAINTAINED BETWEEN WATERMAINS AND SANITARY OR STORM SEWERS, INCLUDING SERVICE LATERALS.
4. A MIN. VERTICAL SEPARATION OF 0.15M BETWEEN WATERMAINS AND SEWERS MUST BE MAINTAINED IF WATERMAIN CROSSES ABOVE SEWER OR 0.50M IF WATERMAIN CROSSES BELOW SEWER.
5. WATERMAIN BEDDING AND COVER TO BE SUITABLE GRANULAR BEDDING MATERIAL AS PER O.P.S.D. 802.010 AND O.P.S.S. 401.
6. ALL METALLIC WATERMAINS, FITTINGS, AND APPURTENANCES SHALL BE INSTALLED WITH A MINIMUM OF ONE ANODE PER LENGTH PER PIPE AND ONE ANODE PER ELECTRONICALLY ISOLATED APPURTENANCE AND INSTALLED IN ACCORDANCE WITH OPSD 442 AND OPSD 1109.010 AND 1109.011. ANODE INSTALLATION IS NOT REQUIRED WITHIN VALVE CHAMBERS, DRAIN CHAMBERS, AIR RELEASE CHAMBERS OR SWAB PORTS.

WATERMAINS CONT.

7. ALL SACRIFICIAL ANODES SHALL CONFORM TO A.S.T.M. B-418 TYPE II AND SHALL BE MADE OF HIGH GRADE ELECTROLYTIC ZINC, 99.99% PURE.
8. ALL WELD CONNECTIONS TO BE COATED WITH "TC MASTIC" OR APPROVED EQUIVALENT.
9. FOR ALL ANODES CONNECTED TO NEW PIPE, FITTINGS OR TO EXISTING METALLIC WATERMAINS, A CADWELDER AND CA-15 OR EQUIVALENT CARTRIDGE SHALL BE USED. ANODE INSTALLATION SHALL BE PERFORMED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
10. WHERE NEW PIPE IS METALLIC OR OTHERWISE TO BE CONNECTED TO EXISTING DUCTILE IRON OR CAST IRON PIPE A 14.5KG MAGNESIUM ANODE IS TO BE CONNECTED TO THE FIRST LENGTH OF EXISTING PIPE, AS PER OPSD 442 AND OPSD 1109.010 AND 1109.011.
11. ALL VALVES TO OPEN LEFT (COUNTER-CLOCKWISE), BE OF THE APPROVED TYPE WITH NON-RISING STEM AND SHALL HAVE 50MM SQUARE STANDARD AWWA OPERATING NUT.
12. ALL PLUGS, CAPS, TEES, BENDS, AND OTHER APPURTENANCES SHALL BE MECHANICALLY RESTRAINED AS PER MANUFACTURER'S SPECIFICATIONS. MECHANICAL THRUST RESTRAINT DEVICES SHALL HAVE THIRD PARTY TESTING, APPROVALS FROM THE UNDERWRITERS LABORATORY (UL) AND FACTORY MUTUAL (FM), AND BE INCLUDED IN HALTON REGION'S APPROVED MANUFACTURER'S PRODUCT LIST FOR WATER SYSTEMS.

CONSTRUCTION NOTES

1. CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY TRAFFIC CONTROLS, PER OTM BOOK 7.
2. CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION LAYOUT, WITH CONTROL BARS PROVIDED BY THE OWNER. PROTECTION OF CONTROL BARS IS THE RESPONSIBILITY OF THE CONTRACTOR.
3. CONTRACTOR IS RESPONSIBLE TO VERIFY THE SIZE AND LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION, INCLUDING VAC TRUCK AND RESTORATION AS REQUIRED.
4. CONTRACTOR SHALL PROVIDE THIRD-PARTY DIGITAL AS-BUILTS IN CAD, TO INCLUDE ALL NEW SITE SERVING INCLUDING TOPS AND INVERTS, AND FINISHED GRADES, INCLUDING PAVED AREAS, SWALES, CURBS, SIDEWALKS AND RETAINING WALLS, TO THE SATISFACTION OF THE ENGINEER.
5. CONTRACTOR SHALL FLUSH AND VIDEO ALL EXISTING SEWERS PRIOR TO AND AFTER CONNECTION, AND NEW AND DISTURBED SEWERS UPON INSTALLATION AND UPON COMPLETION OF TOP WORKS AND LANDSCAPING, PER OPSD 409. VIDEOS TO BE PROVIDED TO THE ENGINEER FOR REVIEW AND APPROVAL.



LEGEND

○	PROPOSED STORM MANHOLE
●	PROPOSED SANITARY MANHOLE
⊗	PROPOSED VALVE & BOX
⊕	WATER METER
→	PROPOSED STORM
→	PROPOSED SANITARY
→	PROPOSED WATER SERVICE/WATERMAIN
- - -	PROPERTY BOUNDARY
△	PROPOSED DOOR
△	PROPOSED OVERHEAD DOOR
□	PROPOSED AREA DRAIN

NO.	DATE	BY/DRAWN	REVISIONS
1	26/08/06	MW/GL	ISSUED FOR OPA/ZBA

CAD FILE: 1873TB.dwg	PLOT SCALE: 1:1	PLOT DATE: Aug 06, 2026
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BENCHMARK
ELEVATIONS ARE OF GEODETIC ORIGIN (CGVD-1928:78), AND ARE DERIVED FROM GNSS OBSERVATIONS AND NATURAL RESOURCES CANADA'S GEOD MODEL HT2.0.

NOTE
THE SURVEY WAS COMPLETED ON THE 24TH DAY OF MARCH 2025 BY J.D. BARNES LIMITED, LAND INFORMATION SPECIALISTS, REFERENCE No.: 25-30-292-00

DESIGNED BY

APPROVED BY

CONSULTANT

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PROJECT TITLE

PROPOSED MIXED-USE CONDOMINIUM

LOCATION

**118-132 CROSS AVENUE
OAKVILLE, ONTARIO**

DRAWING TITLE

PRELIMINARY SERVICING PLAN

SCALE	1:200	DESIGN BY	MW	PROJECT No.	1873
DRAWN BY	GRL	CHECKED BY	PC	PLAN No.	S1
DATE	2025/11/12	SHEET	OF		