

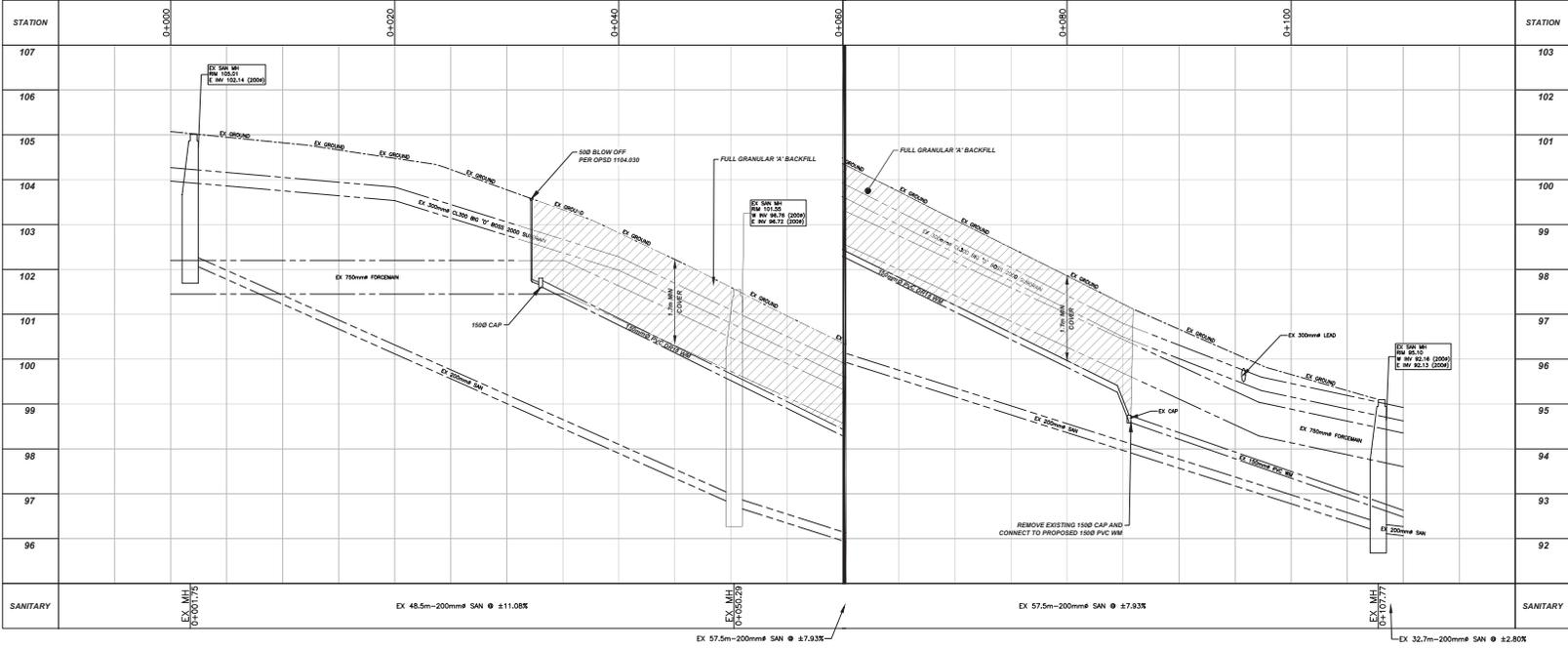
Niagara-on-the-Lake
EST. 1791

OPERATIONS DEPARTMENT APPROVAL

SIGNATURE: *Mike Komljenovic* DATE: FEBRUARY 23, 2024
NAME: MIKE KOMJENOVIC POSITION: ENGINEERING SUPERVISOR

LEGEND

- WV ● EX WATER VALVE
- WV ○ PROP WATER VALVE
- WV ○ EX W/ABRAT
- CB ● EX CATCHBASIN
- STM ○ EX STORM MANHOLE
- STM ○ PROP STORM MANHOLE
- SM ○ EX SANITARY MANHOLE
- SM ○ PROP SANITARY MANHOLE
- HP ○ EX HYDRO POLE
- DOOR ○ DOOR
- SPD ○ SUMP PUMP OUTLET TO GRADE
- EX WATERMAIN
- PROP WATER LATERAL WITH CURBSTOP
- PROP WATERMAIN
- EX STORM SEWER
- PROP STORM SEWER
- EX SANITARY SEWER
- PROP SANITARY SEWER
- EX SANITARY LATERAL
- PROP SANITARY LATERAL



GENERAL NOTES

- ALL DIMENSIONS AND INVERTS MUST BE VERIFIED PRIOR TO CONSTRUCTION. IF THERE IS ANY DISCREPANCY THE CONTRACTOR IS TO NOTIFY THE ENGINEER PROMPTLY. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL UTILITIES DURING CONSTRUCTION. GAS, HYDRO, TELEPHONE OR ANY OTHER UTILITIES THAT MAY EXIST ON THE SITE OR WITHIN THE STREET LINES MUST BE LOCATED BY ITS OWN UTILITIES AND VERIFIED PRIOR TO CONSTRUCTION. WHERE SHOWN THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. THE CONTRACTOR IS RESPONSIBLE FOR PERMITS AND COSTS REQUIRED TO SUPPORT EXISTING UTILITY POLES TO THE SATISFACTION OF THE REQUIREMENT OF THE RESPECTIVE UTILITIES.

WATERMAIN NOTES

- ALL WATERMAIN AND SERVICE MATERIALS AND CONSTRUCTION METHODS MUST CORRESPOND TO CURRENT TOWN OF NIAGARA-ON-THE-LAKE SPECIFICATIONS.
- WATERMAIN AND SERVICES TO HAVE A MINIMUM COVER OF 1.7m WITH A MINIMUM HORIZONTAL SPACING OF 0.5m FROM THEMSELVES AND 3.0m FROM OTHER UTILITIES.
- WATERMAIN TO BE PVC DR18 CL235 CSA 137.3, INCLUDING TRACER WIRE.
- WATER SERVICES TO BE 25mm TYPE "C" COPPER OR APPROVED EQUAL.
- BEDDING AND COVER FOR WATER SERVICE AS PER OPSD 802.014.
- CONNECTIONS TO THE MUNICIPAL WATERMAIN SHALL BE EXCAVATED AND SECURED BY THE CONTRACTOR. MATERIAL SUPPLIED BY THE CONTRACTOR AND INSTALLATION OF FITTINGS WITNESSED BY A MUNICIPAL WATER OFFICER.
- ALL SERVICE CONNECTIONS SHALL HAVE CURB STOP (COMPRESSION TYPE FITTINGS) WITH STAINLESS STEEL HOOD BRACKETS INSTALLED AT THE PROPERTY LINE. ALL SERVICE TAPS SHALL BE DONE WITH A SADDLE AT 22.5 SERVICE INCHES ABOVE HORIZONTAL.
- CURB STOP BOXES SHALL INCLUDE A 600mm (MAXIMUM) STAINLESS STEEL SHUTOFF EXTENSION ROD AND STAINLESS STEEL PIN.
- ALL WATERMAIN DISSECTION AND TESTING SHALL BE AS PER N.P.S.C.D. (ITEMS D1-D12) AND TOWN OF NIAGARA-ON-THE-LAKE STANDARDS.

SANITARY NOTES

- SANITARY SERVICE LATERALS SHALL BE 135mm PVC DR9 (OPEN) AND SHALL BE INSTALLED AT A MINIMUM DE GRADE.
- SANITARY SERVICE LATERALS AT PROPERTY LINE SHALL BE A MINIMUM OF 3.0m BELOW THE CENTERLINE OF DE GRADE.
- SANITARY SEWER BEDDING AND COVER AS PER OPSD 802.014. ALL BEDDING AND COVER MATERIAL TO BE COMPACTED TO 1100K SPD. BACKFILL MATERIAL TO BE SELECTED WITH MATERIAL COMPACTED TO 800K SPD MINIMUM UNLESS OTHERWISE SPECIFIED ON THE DRAWING.

<p>NOTES:</p> <ol style="list-style-type: none"> THE POSITION OF POLE LINES, CONDUITS, WATERMANS, SEWER, AND OTHER UNDERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS AND, WHILE SHOWING THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED, BEFORE STARTING WORK, THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM. PROPERTY LINES WERE PLOTTED USING REGISTERED PLANS AND WERE LOCATED IN THE FIELD TO VERIFY THE ACCURACY OF THESE PROPERTY LINES. A LEGAL SURVEY SHOULD BE PERFORMED PRIOR TO CONSTRUCTION. ALL CONSTRUCTION MUST COMPLY WITH THE NIAGARA PENINSULA STANDARD CONTRACT DOCUMENT. 	<p>DRAFTING: G.S. DESIGN: J.S. CHECKED BY: J.S. APPROVED BY: J.S.</p>	<p>SITE BENCHMARK: 1. TOP OF FIRE HYDRANT NUT ELEVATION: 98.03m</p>	<p>OWNER: ANTHONY VANI 1652 FOUR MILE CREEK ROAD NIAGARA-ON-THE-LAKE LOS 170</p>	<p>CONSULTANT FILE No.: 2397 DATE: 2024-02-20 PRINTED: 2024-02-20 SCALE: Hor: 1:2000 m Ver: 1:250 m</p>
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<p>1 REVISED PER TOWN COMMENTS (FEB 14/24) 2024-02-20 J.S. ISSUED FOR REVIEW 2023-09-28 J.S.</p>	<p>2024-02-20 J.S. 2023-09-28 J.S.</p>	<p>CONSULTANT FILE No.: 2397 DATE: 2024-02-20 PRINTED: 2024-02-20 SCALE: Hor: 1:2000 m Ver: 1:250 m</p>	<p>OWNER: ANTHONY VANI 1652 FOUR MILE CREEK ROAD NIAGARA-ON-THE-LAKE LOS 170</p>	<p>CONSULTANT FILE No.: 2397 DATE: 2024-02-20 PRINTED: 2024-02-20 SCALE: Hor: 1:2000 m Ver: 1:250 m</p>
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