



**LEGEND**

- EX. SANITARY SEWER
- PR. SANITARY SEWER
- EX. STORM SEWER
- PR. STORM SEWER
- EX. COMBINED SEWER
- EX. WATER MAIN
- PR. WATER MAIN
- EX. GAS SERVICE
- EX. HYDRO SERVICE
- EX. OVERHEAD WIRES
- EX. BELL SERVICE
- EX. TELECOMMUNICATION
- ABANDONED MAIN
- FENCE
- PROPERTY LINE
- EX. CATCHBASIN
- PR. CATCHBASIN
- EX. MANHOLE
- PR. MANHOLE
- EX. VALVE
- PR. VALVE
- FIRE HYDRANT
- UTILITY POLE
- LIGHT STANDARD
- GUY WIRE ANCHOR
- BELL/COGECO PEDESTAL
- GAS METER
- HYDRO METER
- ANCHOR TEE
- 90°/45°/22.5°/11.25° BEND
- CAPPED SERVICE
- BUILDING ENTRANCE

DISTURBED SURFACES, INCLUDING ASPHALT PAVEMENT, CONCRETE SIDEWALK & AND GRASS BOULEVARD / DITCH TO BE RESTORED AS PER TOWN OF NIAGARA-ON-THE-LAKE STANDARDS.

EXCAVATION IN CLOSE PROXIMITY TO EXISTING TREE ROOTS ARE TO BE HYDRO-EXCAVATED. REFER TO LANDSCAPE PLAN TO IDENTIFY LOW IMPACT ROOT EXCAVATION AREAS.

CONSTRUCTION IS LIMITED TO THE MUSEUM PROPERTY WITH THE EXCEPTION OF THE HATCHED AREAS WITHIN THE ADJACENT MUNICIPAL RIGHT-OF-WAYS.

CONTRACTOR WILL ENGAGE LOCATE COMPANY TO IDENTIFY ALL EXISTING BURIED SERVICES PRIOR TO CONSTRUCTION. ANY UNUSED WATER SERVICE LATERALS AND SEWER LATERALS TO BE REMOVED ENTIRELY AND CAPPED AT THE MAIN.

CONTRACTOR TO FIELD VERIFY ALL EX. MANHOLE AND CATCHBASIN INVERTS.

ANY DEVIATIONS FROM THE PLANS (I.E. SERVICE DIAMETER, MATERIAL) SHALL BE NOTED ON THE AS CONSTRUCTED DRAWINGS AND PROVIDED TO THE ENGINEER.

THE APPLICANT / OWNER MUST ASSURE THEMSELVES THAT THE EXISTING SEWERS TO BE RE-USED ARE ADEQUATE TO MEET THEIR PROPOSED USES AND ARE IN GOOD WORKING CONDITION.

EXISTING SEWER INVERTS AT CONNECTION TO EX. BUILDING TO BE FIELD VERIFIED PRIOR TO CONSTRUCTION AND COORDINATED WITH INSTALLATION OF NEW SANITARY SYSTEM.

NEW SANITARY LATERALS / SEWERS TO BE GREEN IN COLOR. NEW STORM LATERALS / SEWERS TO BE WHITE IN COLOR.

RAINWATER LEADER DOWNSPOUTS 'DS' OF THE BUILDING ADDITION TO DISCHARGE TO SPLASH PAD ON GRADE. FLOWS SHALL BE DIRECTED AWAY FROM PROPOSED AND EXISTING BUILDINGS WITHOUT ANY EROSION OR INCONVENIENCE TO OTHERS.

SUMP PUMP TO DISCHARGE TO SPLASH PAD ON GRADE. FLOWS SHALL BE DIRECTED AWAY FROM THE EXISTING AND PROPOSED BUILDINGS.

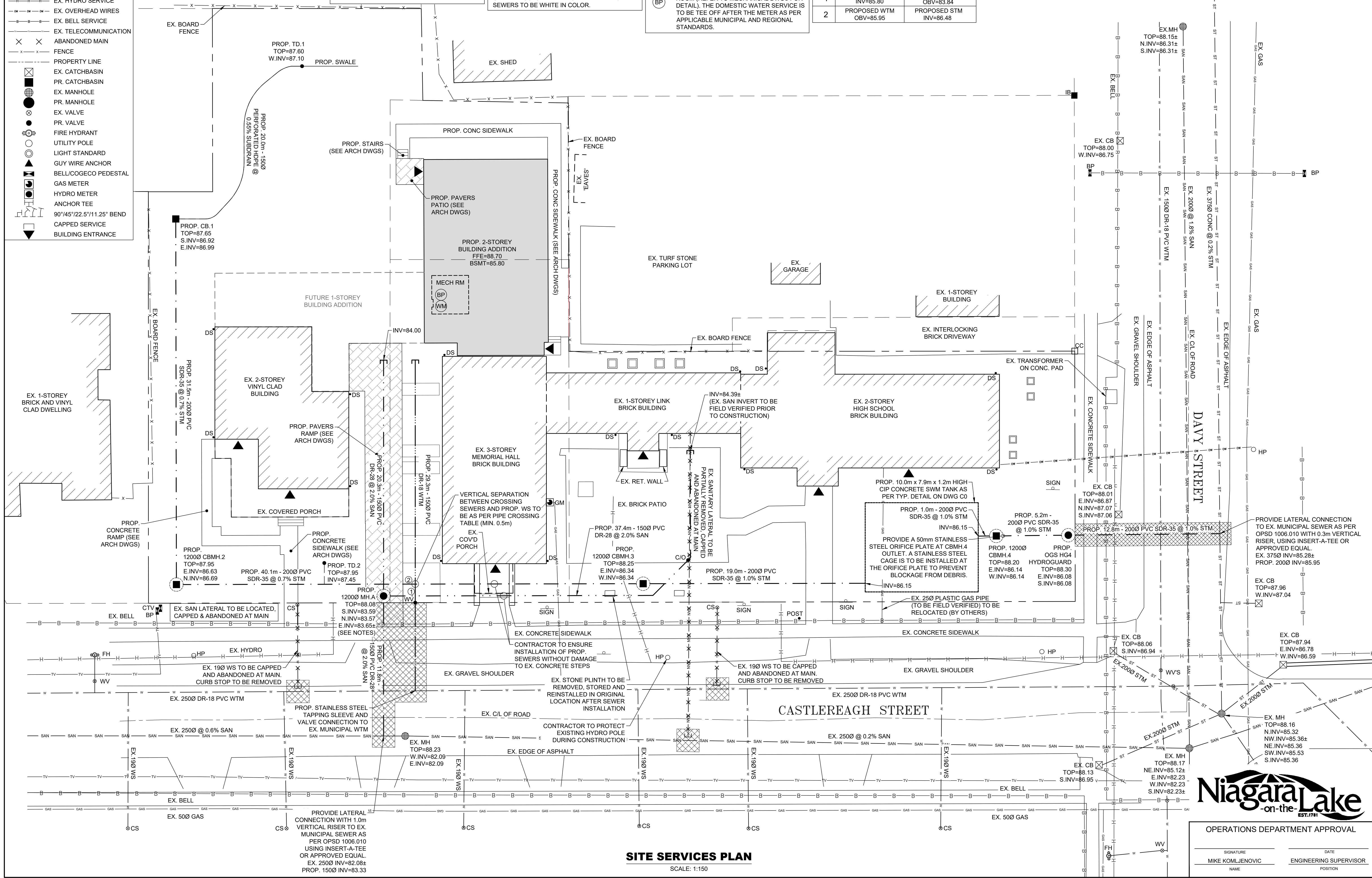
WATER METER & BACKFLOW PREVENTER TO BE PROVIDED WITHIN MECHANICAL ROOM (REFER TO MECHANICAL DWGS FOR DETAIL). THE DOMESTIC WATER SERVICE IS TO BE TEE OFF AFTER THE METER AS PER APPLICABLE MUNICIPAL AND REGIONAL STANDARDS.

ENSURE 0.5m VERTICAL SEPARATION BETWEEN ALL CROSSING SEWERS AND WATER SERVICES.

THE CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION AND CONSTRUCTION OF THE PROPOSED STORM AND SANITARY SEWER UNDER THE EXISTING PORCH CONCRETE STEPS. THE INSTALLATION OF THE SEWERS MUST BE CARRIED OUT WITHOUT DAMAGE TO THE EXISTING STEPS.

**PIPE CROSSING TABLE**

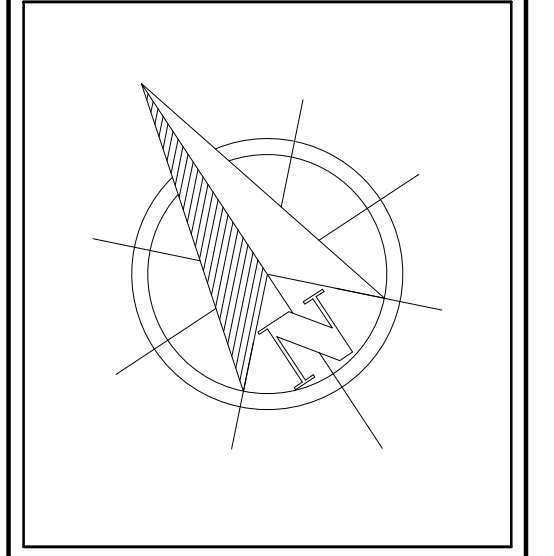
NO.	PROPOSED WTM	PROPOSED SAN
1	PROPOSED WTM INV=85.80	PROPOSED SAN OBV=83.84
2	PROPOSED WTM OBV=85.95	PROPOSED STM INV=86.48



**SITE SERVICES PLAN**  
SCALE: 1:150

**OPERATIONS DEPARTMENT APPROVAL**

SIGNATURE: MIKE KOMJENOVIC  
DATE: NOV. / 2025  
POSITION: ENGINEERING SUPERVISOR



Do not scale drawings. Report any discrepancies to Hallex Civil Engineering Ltd. before proceeding.

This drawing must be signed and sealed by the Engineer prior to use in construction or submission for site plan approval or building permit.

All construction shall be in accordance with latest edition of the Ontario Building Code and all applicable Ontario regulations.

No part of this drawing including details, calculations or schedules may be reproduced in any form, either in part or whole, without the prior written consent of Hallex Civil Engineering Ltd.



**REV. ISSUED FOR: YYYYMMDD**

REV.	ISSUED FOR:	YYYYMMDD
0	APPROVAL	2026/01/21
1	APPROVAL	2026/02/23
2	APPROVAL	2026/03/09
3	APPROVAL	2026/03/11
4	APPROVAL	2026/03/16
5	APPROVAL	2026/03/23

CLIENT:  
ALEX TOPPS  
NIAGARA HISTORICAL SOCIETY MUSEUM  
43 CASTLEREAGH STREET  
NIAGARA-ON-THE-LAKE, ON

PROJECT:  
NIAGARA HISTORICAL SOCIETY MUSEUM ADDITION  
43 CASTLEREAGH STREET  
NIAGARA-ON-THE-LAKE, ON

SHEET TITLE:  
SITE SERVICES PLAN

JOB NUMBER: 251023  
DATE: NOV. / 2025  
DRAWN BY: CA / MA  
DESIGNED BY: AI  
CHECKED BY: JH  
SCALE: AS SHOWN  
DWG. C1  
REV. 5

**LEGEND**

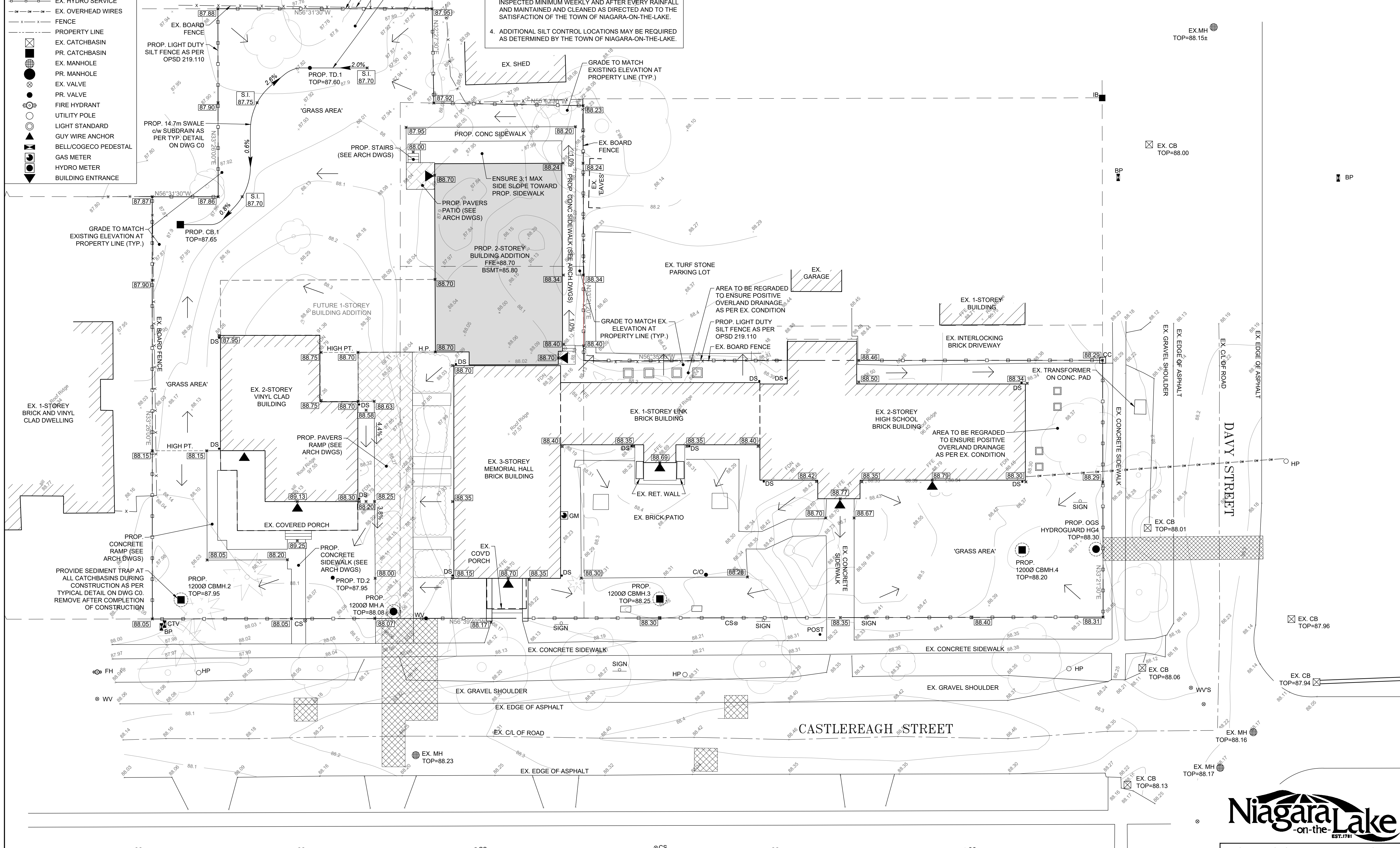
- EX. ELEVATION
- PR. ELEVATION
- T.O.C. TOP OF CURB
- T.O.W. TOP OF WALL
- T.O.S. TOP OF SIDEWALK
- S.I. SWALE INVERT
- DIRECTION OF FLOW
- MAJOR OVERLAND FLOW
- EX. HYDRO SERVICE
- EX. OVERHEAD WIRES
- FENCE
- PROPERTY LINE
- EX. CATCHBASIN
- PR. CATCHBASIN
- EX. MANHOLE
- PR. MANHOLE
- EX. VALVE
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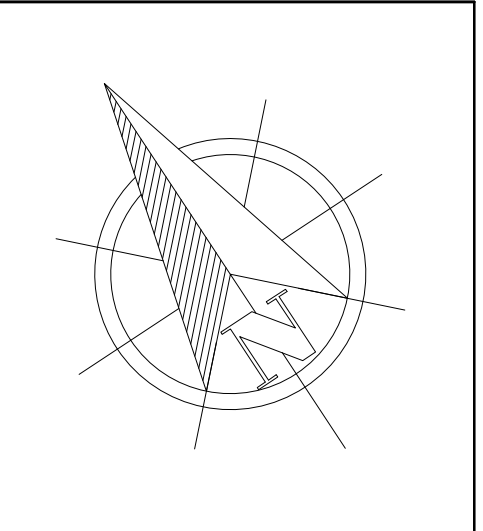
CONSTRUCTION IS LIMITED TO THE MUSEUM PROPERTY WITH THE EXCEPTION OF THE HATCHED AREAS WITHIN THE ADJACENT MUNICIPAL RIGHT-OF-WAYS.

- NOTES:**
- ALL EROSION & SEDIMENTATION CONTROL DEVICES MUST BE INSTALLED PRIOR TO THE BEGINNING OF EARTH REMOVAL ACTIVITIES AND LEFT IN PLACE UNTIL FINAL COVER IS ESTABLISHED.
  - SILTATION CONTROL BARRIERS SHALL BE PLACED ON ALL NEW AND EXISTING CATCH BASIN COVERS AND AROUND PERIMETER OF AREA OF WORK DURING CONSTRUCTION AND REMOVE UPON COMPLETION.
  - EROSION AND SEDIMENTATION CONTROL DEVICES TO BE INSPECTED MINIMUM WEEKLY AND AFTER EVERY RAINFALL AND MAINTAINED AND CLEANED AS DIRECTED AND TO THE SATISFACTION OF THE TOWN OF NIAGARA-ON-THE-LAKE.
  - ADDITIONAL SILT CONTROL LOCATIONS MAY BE REQUIRED AS DETERMINED BY THE TOWN OF NIAGARA-ON-THE-LAKE.



OPERATIONS DEPARTMENT APPROVAL

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DATE: NOV. / 2025  
NAME: MIKE KOMJENOVIC  
POSITION: ENGINEERING SUPERVISOR



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PROJECT:  
NIAGARA HISTORICAL SOCIETY MUSEUM ADDITION  
43 CASTLEREAGH STREET  
NIAGARA-ON-THE-LAKE, ON

SHEET TITLE:  
SITE DRAINAGE PLAN

JOB NUMBER:	251023
DATE:	NOV. / 2025
DRAWN BY:	CA / MA
DESIGNED BY:	AI
CHECKED BY:	JH
SCALE:	AS SHOWN
DWG.:	C2
REV.:	5

**SITE DRAINAGE PLAN**  
SCALE: 1:150