

GENERAL NOTES

- DESIGN AND CONSTRUCTION IS TO BE IN ACCORDANCE WITH MOST RECENT ONTARIO BUILDING CODE.
- THE CONTRACTOR IS RESPONSIBLE FOR CHECKING AND VERIFYING ALL DIMENSIONS WITH RESPECT TO SITE CONDITIONS AND ALL MATERIALS TO THE PROJECT. ANY DISCREPANCY SHALL BE REPORTED TO THE ENGINEER.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL MATERIAL RELEVANT TO THE PROJECT.
- ADDITIONAL DRAWINGS MAY BE ISSUED FOR CLARIFICATION TO ASSIST PROPER EXECUTION OF WORK. SUCH DRAWINGS WILL HAVE THE SAME MEANING AND INTENT AS IF THEY WERE INCLUDED WITH THE CONTRACT DOCUMENTS.
- DO NOT SCALE DRAWINGS.
- CONTRACTOR MUST COMPLY WITH LOCAL BY-LAWS, CANADIAN CONSTRUCTION SAFETY CODE AND ALL REGULATIONS SET BY AUTHORITIES HAVING JURISDICTION. IN CASE OF CONFLICT OR DISCREPANCY, THE MORE STRINGENT REQUIREMENTS SHALL APPLY.
- CONTRACTOR RESPONSIBLE FOR OBTAINING ALL REQUIRED UTILITY LOCATES, INSPECTIONS, PERMITS, AND APPROVALS, INCLUDING ALL ASSOCIATED COSTS. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY AND BASED ON BEST AVAILABLE INFORMATION.
- EXISTING INFRASTRUCTURE INFORMATION IS IN REFERENCE TO TOPOGRAPHICAL SURVEY COMPLETED BY ANNIS, O'SULLIVAN, VOLLEBEK LTD. ON JANUARY 6, 2020 AND INFORMATION FROM GEOOTTAWA.

DRAWING NOTES

- 01** SUPPLY AND INSTALL NEW 3.0m LONG 150mmØ PERFORATED SUB-DRAINS WRAPPED IN GEOTEXTILE SOCK. EXTEND FROM ASSOCIATED STORM SEWER STRUCTURE AT PAVEMENT SUB-GRADE LEVEL AND PROVIDE WATERTIGHT CONNECTION.
- 1a** SUBDRAINS SHOULD BE INSTALLED ON THE SIDES OF THE ACCESS ROAD AND PARKING AREA. SEE GEOTECHNICAL NOTES AND REFER TO GEOTECHNICAL REPORT.
- 02** CONNECT WATER, STORM AND SANITARY SERVICES TO BUILDING INTERIOR 1.0m FROM BUILDING FOUNDATION. REFER TO MECHANICAL PLANS.
- 03** BREAK IN AND CONNECT TO EXISTING SANITARY AND PROVIDE WATERTIGHT CONNECTION. APPROXIMATE INVERT ELEVATION OF EXISTING SEWER: 83.43m; TO BE CONFIRMED BY CONTRACTOR PRIOR TO CONSTRUCTION. CONNECTION SHALL BE MADE WITH CORE DRILLING. CONNECTION TO BE CONSTRUCTED AS PER CITY OF OTTAWA DETAIL S11
- 04** BREAK IN AND CONNECT TO EXISTING STORM SEWER AND PROVIDE WATERTIGHT CONNECTION. APPROXIMATE INVERT ELEVATION OF EXISTING SEWER: 81.38m; TO BE CONFIRMED BY CONTRACTOR. CONNECTION SHALL BE MADE WITH CORE DRILLING CONNECTION TO BE CONSTRUCTED AS PER CITY OF OTTAWA DETAIL S11
- 05** EXISTING STORM, SANITARY AND WATER SERVICES CONNECTING TO THE EXISTING BUILDING TO BE CAPPED AT MAIN LINE, TO COORDINATE WITH THE CITY OF OTTAWA AND DRINKING WATER SERVICES.
- 06** SUPPLY AND INSTALL NEW OIL GRIT SEPARATOR UNIT (OGS01). MINIMUM 80% TSS REMOVAL. STORMCEPTOR EFO4 OR APPROVED EQUAL. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR APPROVAL

DRAWING NOTES CONT.D

- 07** CONNECT NEW 150mmØ x 75.0m LENGTH WATER SERVICE TO EXISTING WATERMAIN AND PROVIDE WATERTIGHT CONNECTION. APPROX. TOP OF WATERMAIN ELEVATION: 83.74m; TO BE CONFIRMED BY CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR TO OBTAIN ALL NECESSARY APPROVALS AND PERMITS REQUIRED. CONNECTION TO EXISTING WATERMAIN IS TO BE VIA THE USE OF AN APPROVED PRE-MANUFACTURED TEE.
- 08** INSTALL NEW DROP STRUCTURE PER OPSD 1003.020.
- 09** SUPPLY AND INSTALL NEW INLET CONTROL DEVICE FLOW REGULATOR AT CATCHBASIN CB-1 OUTLET. MAXIMUM DISCHARGE 20 L/s AT 1.67m HEAD AND ORIFICE DIAMETER AT 85mm. TOP OF CB-1 COVER TO BE 50mm ABOVE FINISHED GRADE.
- 10** UNDERGROUND GEOTHERMAL SYSTEM, REFER TO MECHANICAL.
- 11** CONNECT TRENCH DRAIN TO STORM SEWER.
- 12** INSTALL HEAVY DUTY PRECAST TRENCH DRAIN COMPLETE WITH COVER, 200mm WIDE AND 2.5m LONG WITH HOT DIPPED GALVANIZED FINISH.
- 13** SUPPLY AND INSTALL NEW INLET CONTROL DEVICE FLOW REGULATOR AT STORM MANHOLE. STMH-01 INLET BOTTOM OF ORIFICE TO BE FLUSH WITH OUTLET OF 1050mm PIPE INVERT. MAXIMUM DISCHARGE 18.3 l/s AT 1.08m HEAD AND ORIFICE DIAMETER AT 91mm.
- 14** INSTALL STORM AND SANITARY SEWER BACKFLOW PREVENTER INSIDE BUILDING PER APPROVED CITY OF OTTAWA PRODUCTS.
- 15** LIGHT STANDARD DISTRIBUTION, REFER TO ELECTRICAL (TYPICAL).
- 16** PERFORATED DRAIN TO BE CONNECTED TO STORM NETWORK
- 17** INSTALL WATERMAIN CROSSING OVER PROPOSED STORM SEWER AS PER CITY OF OTTAWA DETAIL W25.2. ENSURE 0.5m SPACING BETWEEN STORM SEWER AND WATERMAIN. PROVIDE AND INSTALL HI-40 INSULATION AS PER CITY OF OTTAWA DETAIL W22.

Storm Sewer Structure Table

Manhole No.	Structure OPSD	Top of Frame	Pipe Invert Elevation
CBMH-03	1200mm Conc. Ø	86.55	IN 84.05 OUT 83.99
CBMH-02	1200mm Conc. Ø	86.48	IN 83.87 OUT 83.86
CBMH-01	1,800mmØ Manhole	86.45	IN 83.75 OUT 82.84
STMH-01	1,800mmØ Manhole	86.45	IN 82.60 IN 84.26 IN 83.30 OUT 82.57
OGS01	1200mm Conc. Ø	86.39	IN 82.50 OUT 82.44
CB-01	1200mm Conc. Ø	85.97	OUT 84.52
TD1	PREFAB	85.58	OUT 84.51

Sanitary Sewer Structure Table

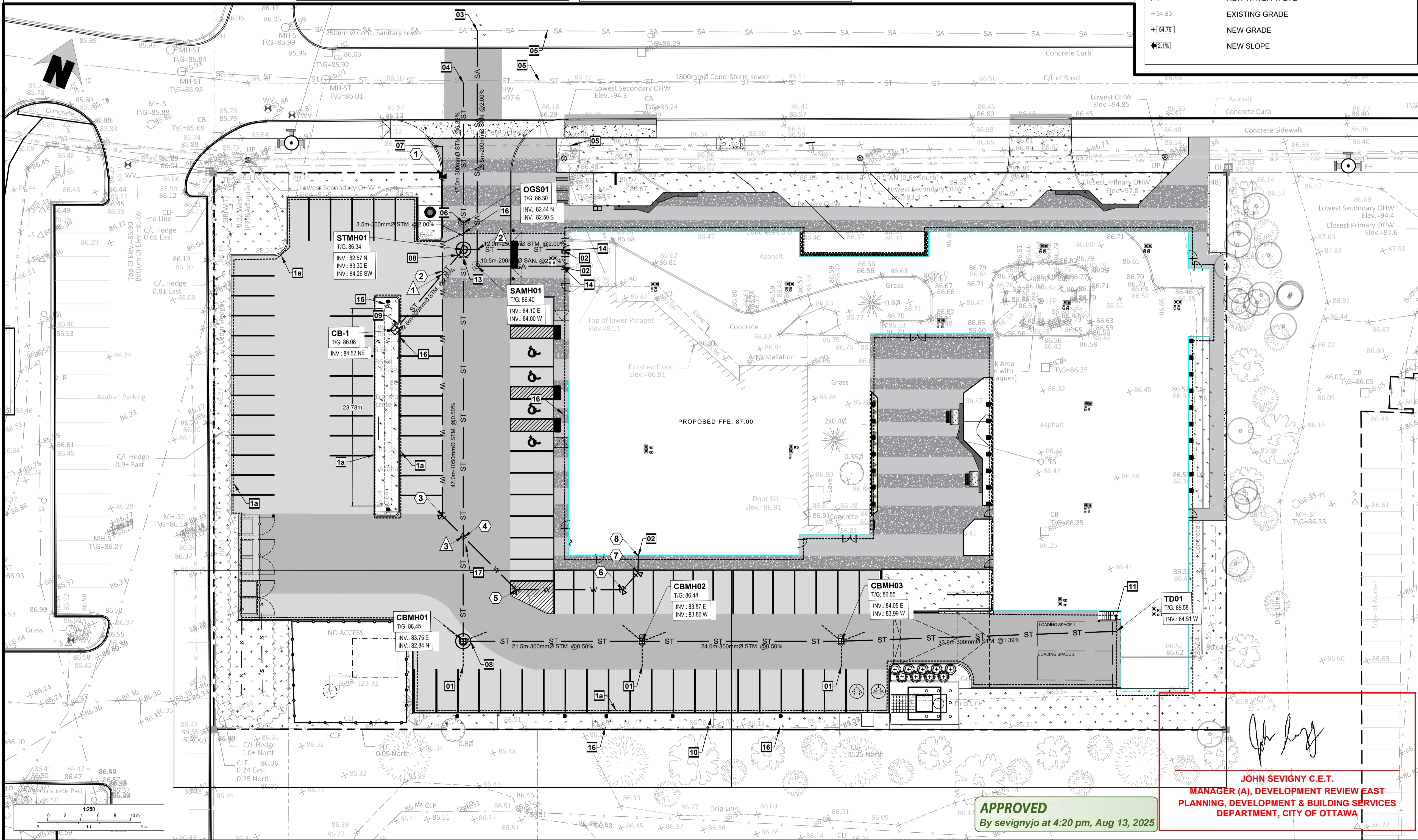
Manhole No.	Structure OPSD	Top of Frame	Pipe Invert Elevation
SAMH - 01	1200mmØ Conc. Ø	86.48	IN 84.10 OUT 84.00

LEGEND

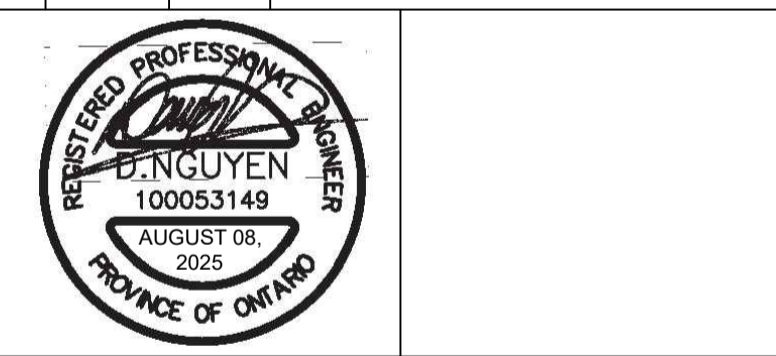
- — — — — PROPERTY LINE
- — — — — EXISTING BUILDING
- SA — — — — — EXISTING SANITARY SEWER
- ST — — — — — EXISTING STORM SEWER
- W — — — — — EXISTING WATERMAIN
- SA — — — — — NEW SANITARY SEWER
- ST — — — — — NEW STORM SEWER
- W — — — — — NEW WATERMAIN
- NEW LIGHT DUTY ASPHALT
- NEW HEAVY DUTY ASPHALT
- NEW CONCRETE SIDEWALK
- NEW GRASS
- EXISTING CATCHBASIN
- EXISTING CATCHBASIN MANHOLE
- NEW CATCHBASIN
- NEW CATCHBASIN MANHOLE
- NEW SANITARY MANHOLE
- NEW STORM MANHOLE
- NEW WATER VALVE
- EXISTING GRADE
- NEW GRADE
- NEW SLOPE

THE POSITION OF POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWING, AND, WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM THEMSELVES OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES, AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

DESIGN PROFESSIONAL'S SEAL OR SIGNATURE IS EFFECTIVE ONLY AS TO THAT VERSION OF THIS DOCUMENT AS ORIGINALLY PUBLISHED BY DESIGN PROFESSIONAL. DESIGN PROFESSIONAL IS NOT RESPONSIBLE FOR ANY SUBSEQUENT MODIFICATION, CORRUPTION, OR UNAUTHORIZED USE OF SUCH DOCUMENT. TO VERIFY THE VALIDITY OR APPLICABILITY OF THE SEAL OR SIGNATURE, CONTACT DESIGN PROFESSIONAL.



15	2025-08-08	DN / WV	ISSUED FOR PERMIT
14	2025-07-29	DN / WV	SOUMISSION POUR CONTROL DU SITE R5 / ISSUED FOR CIVIL CCN#1 REV. 1
13	2025-06-19	DN / WV	ISSUED FOR CIVIL CCN#1
12	2025-06-10	DN / WV	SOUMISSION POUR CONTROL DU SITE R4
11	2025-05-16	DN / WV	SOUMISSION POUR CONTROL DU SITE R3
10	2025-04-10	DN / LA	ISSUED FOR CONSTRUCTION - SI #001
9	2025-03-25	DN / WV	SOUMISSION POUR CONTROL DU SITE R2
8	2025-01-13	DN / ZB	ISSUED FOR TENDER
7	2024-12-20	DN / ZB	100% SOUMISSION R2
6	2022-12-09	DN / ZB	SOUMISSION POUR CONTROL DU SITE
5	2022-10-28	DN / DS	100% SOUMISSION R1
4	2022-09-30	DN / DS	100% SOUMISSION
3	2022-09-02	DN / DS	99% SOUMISSION
2	2022-06-17	DN / DS	60% SOUMISSION
1	2022-03-04	DN / RW	PRÉLIMINAIRE 30%
No.	YYYY-MM-DD	Eng./Drt.	Revision Comments



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C1 MIFO SITE PLAN V24.DWG