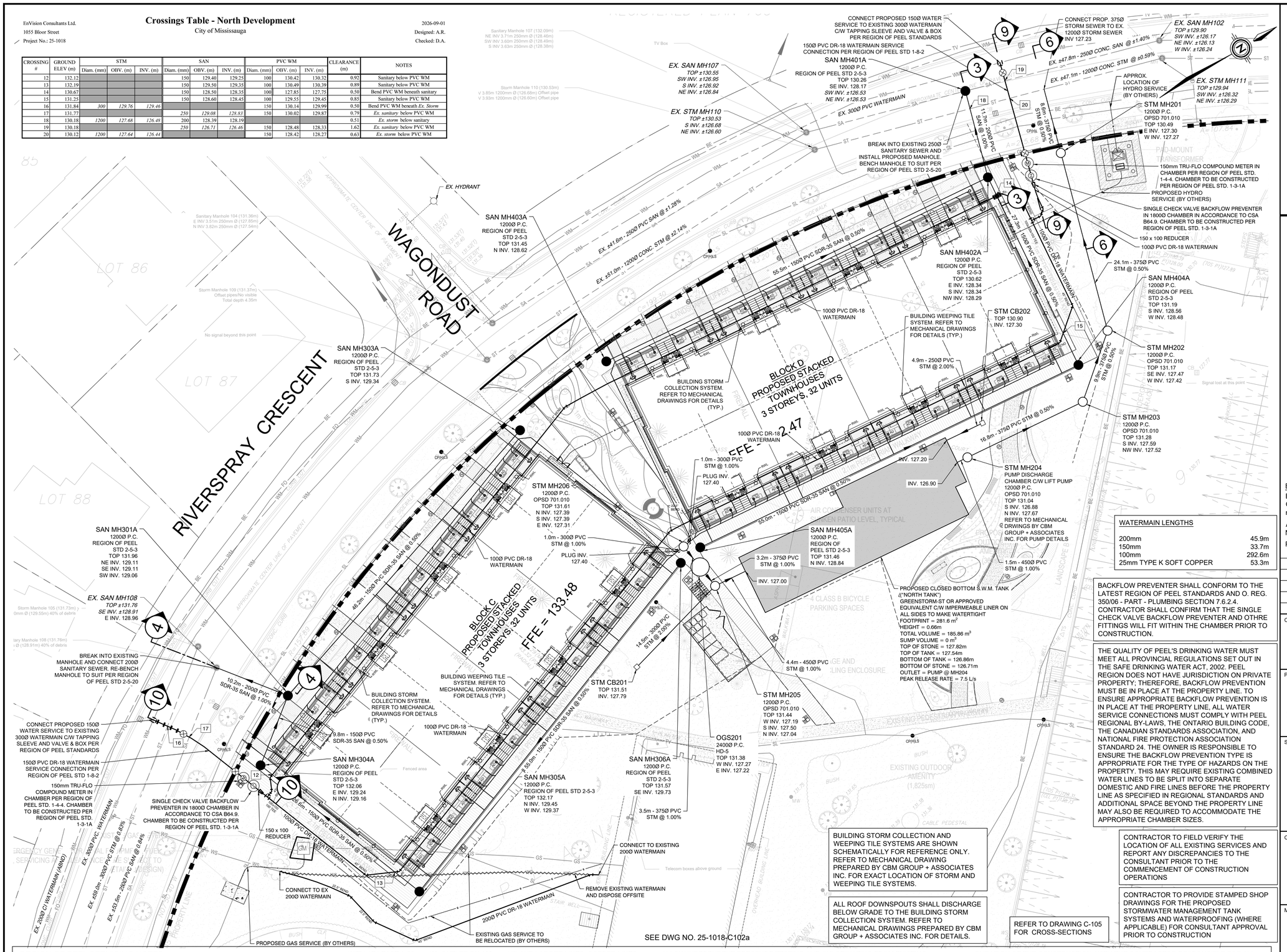
EnVision Consultants Ltd.
1055 Bloor Street
Project No.: 25-1018

Crossings Table - North Development

City of Mississauga

2026-09-01
Designed: A.R.
Checked: D.A.

CROSSING #	GROUND ELEV (m)	STM			SAN			PVC WM			CLEARANCE (m)	NOTES
		Diam. (mm)	OBV. (m)	INV. (m)	Diam. (mm)	OBV. (m)	INV. (m)	Diam. (mm)	OBV. (m)	INV. (m)		
12	132.12				150	129.40	129.25	100	130.42	130.32	0.92	Sanitary below PVC WM
13	132.19				150	129.50	129.35	100	130.49	130.39	0.89	Sanitary below PVC WM
14	130.67				150	128.50	128.35	100	127.85	127.75	0.50	Bend PVC WM beneath sanitary
15	131.25				150	128.60	128.45	100	129.55	129.45	0.85	Sanitary below PVC WM
16	131.84	*300*	*129.76*	*129.46*				150	130.14	129.99	0.50	Bend PVC WM beneath *Ex. Storm*
17	131.77				*250*	*129.08*	*128.83*	150	130.02	129.87	0.79	*Ex. sanitary* below PVC WM
18	130.18	*1200*	*127.68*	*126.48*	200	128.39	128.19				0.51	*Ex. storm* below sanitary
19	130.18				*250*	*126.71*	*126.46*	150	128.48	128.33	1.62	*Ex. sanitary* below PVC WM
20	130.12	*1200*	*127.64*	*126.44*				150	128.42	128.27	0.63	*Ex. storm* below PVC WM





KEY PLAN NTS

LEGEND

- VC — EX. VALVE & CHAMBER
- HYD. — EX. HYDRANT
- SAN MH — EX. SANITARY MANHOLE
- STM MH — EX. STORM MANHOLE
- CB — EX. CATCHBASIN
- ● — SANITARY MANHOLE
- ○ — STORM MANHOLE
- □ CB — CATCHBASIN
- □□ DCB — DOUBLE CATCHBASIN
- ⊗ V&B — VALVE AND BOX
- H&V — HYDRANT AND VALVE
- LIMIT OF PROPERTY
- UNDERGROUND BUILDING LIMIT
- OVERHEAD BUILDING LIMIT
- CANOPY
- 90m HYDRANT COVERAGE OF BUILDING AS PER CITY BY-LAW 1036-81
- RAIN GARDEN
- ■ AD / ○ RWL — AREA DRAIN / RAINWATER DRAIN

BENCHMARK NOTES:

ELEVATIONS SHOWN HEREON ARE GEODETIC AND ARE REFERRED TO CITY OF MISSISSAUGA BENCH MARK No.698 , HAVING AN ELEVATION =130.356 metres.

ALL DIMENSIONS AND ELEVATIONS ARE IN METRES UNLESS OTHERWISE NOTED.

PIPE SIZES ARE IN MILLIMETRES

WATERMAIN LENGTHS

200mm	45.9m
150mm	33.7m
100mm	292.6m
25mm TYPE K SOFT COPPER	53.3m

BACKFLOW PREVENTER SHALL CONFORM TO THE LATEST REGION OF PEEL STANDARDS AND O. REG. 350/06 - PART - PLUMBING SECTION 7.6.2.4. CONTRACTOR SHALL CONFIRM THAT THE SINGLE CHECK VALVE BACKFLOW PREVENTER AND OTHRE FITTINGS WILL FIT WITHIN THE CHAMBER PRIOR TO CONSTRUCTION.

THE QUALITY OF PEEL'S DRINKING WATER MUST MEET ALL PROVINCIAL REGULATIONS SET OUT IN THE SAFE DRINKING WATER ACT, 2002. PEEL REGION DOES NOT HAVE JURISDICTION ON PRIVATE PROPERTY; THEREFORE, BACKFLOW PREVENTION MUST BE IN PLACE AT THE PROPERTY LINE. TO ENSURE APPROPRIATE BACKFLOW PREVENTION IS IN PLACE AT THE PROPERTY LINE, ALL WATER SERVICE CONNECTIONS MUST COMPLY WITH PEEL REGIONAL BY-LAWS, THE ONTARIO BUILDING CODE, THE CANADIAN STANDARDS ASSOCIATION, AND NATIONAL FIRE PROTECTION ASSOCIATION STANDARD 24. THE OWNER IS RESPONSIBLE TO ENSURE THE BACKFLOW PREVENTION TYPE IS APPROPRIATE FOR THE TYPE OF HAZARDS ON THE PROPERTY. THIS MAY REQUIRE EXISTING COMBINED WATER LINES TO BE SPLIT INTO SEPARATE DOMESTIC AND FIRE LINES BEFORE THE PROPERTY LINE AS SPECIFIED IN REGIONAL STANDARDS AND ADDITIONAL SPACE BEYOND THE PROPERTY LINE MAY ALSO BE REQUIRED TO ACCOMMODATE THE APPROPRIATE CHAMBER SIZES.

BUILDING STORM COLLECTION AND WEEPING TILE SYSTEMS ARE SHOWN SCHEMATICALLY FOR REFERENCE ONLY. REFER TO MECHANICAL DRAWING PREPARED BY CBM GROUP + ASSOCIATES INC. FOR EXACT LOCATION OF STORM AND WEEPING TILE SYSTEMS.

ALL ROOF DOWNSPOUTS SHALL DISCHARGE BELOW GRADE TO THE BUILDING STORM COLLECTION SYSTEM. REFER TO MECHANICAL DRAWINGS PREPARED BY CBM GROUP + ASSOCIATES INC. FOR DETAILS.

REFER TO DRAWING C-105 FOR CROSS-SECTIONS

CONTRACTOR TO FIELD VERIFY THE LOCATION OF ALL EXISTING SERVICES AND REPORT ANY DISCREPANCIES TO THE CONSULTANT PRIOR TO THE COMMENCEMENT OF CONSTRUCTION OPERATIONS

CONTRACTOR TO PROVIDE STAMPED SHOP DRAWINGS FOR THE PROPOSED STORMWATER MANAGEMENT TANK SYSTEMS AND WATERPROOFING (WHERE APPLICABLE) FOR CONSULTANT APPROVAL PRIOR TO CONSTRUCTION

REGION OF PEEL SERVICING NOTES

1. PUBLIC AND PRIVATE SERVICES, APPURTENANCES, MATERIALS AND CONSTRUCTION METHODS MUST COMPLY WITH THE MOST CURRENT REGION OF PEEL STANDARDS AND SPECIFICATIONS, THE LOCAL MUNICIPALITY'S REQUIREMENTS FOR THE ONTARIO BUILDING CODE AND ONTARIO PROVINCIAL STANDARDS. ALL WORKS SHALL ADHERE TO ALL APPLICATION LEGISLATION, INCLUDING REGIONAL BY-LAWS.
2. WATERMAIN AND / OR WATER SERVICE MATERIALS 100 mm (4") AND LARGER MUST BE PVC DR18 CONSTRUCTED AS PER AWWA C900-16. SIZE 50 mm (2") AND SMALLER MUST BE TYPE K SOFT COPPER CONSTRUCTED AS PER ASTM B88-49 OR POLYETHYLENE CONSTRUCTED AS PER AWWA C901 AND CSA B.137.10 (CHOOSE ONLY ONE MATERIAL).
3. WATERMAINS AND / OR WATER SERVICES ARE TO HAVE A MINIMUM COVER OF 1.7 m (5'6") WITH A MINIMUM HORIZONTAL SPACING OF 1.2m (4') FROM THEMSELVES AND ALL OTHER UTILITIES.
4. PROVISIONS FOR FLUSHING WATER LINE PRIOR TO TESTING, ETC. MUST BE PROVIDED WITH AT LEAST A 50 mm (2") OUTLET ON 100 mm (4") AND LARGER LINES. COPPER LINES ARE TO HAVE FLUSHING POINTS AT THE END, THE SAME SIZE AS THE LINE. THEY MUST ALSO BE HOSED OR PIPED TO ALLOW THE WATER TO DRAIN ONTO PARKING LOT OR DOWN A DRAIN. ON FIRE LINES, FLUSHING OUTLET TO BE 100 mm (4") DIAMETER MINIMUM ON A HYDRANT.
5. ALL CURB STOPS TO BE 3.0 m (10') OFF THE FACE OF THE BUILDING UNLESS OTHERWISE NOTED.
6. HYDRANT AND VALVE SET TO REGION STANDARD 1-6-1 DIMENSION A AND B, 0.7 m (2') AND 0.9 m (3') AND TO HAVE A PUMPER NOZZLE.
7. WATERMAINS TO BE INSTALLED TO GRADES AS SHOWN ON APPROVED SITE PLAN. COPY OF GRADE SHEET MUST BE SUPPLIED TO INSPECTOR PRIOR TO COMMENCEMENT OF WORK, WHERE REQUESTED BY INSPECTOR.
8. WATERMAINS MUST HAVE A MINIMUM VERTICAL CLEARANCE OF 0.3m (12") OVER / 0.5 m (20") UNDER SEWERS AND ALL OTHER UTILITIES WHEN CROSSING.
9. ALL PROPOSED WATER PIPING MUST BE ISOLATED FROM EXISTING LINES IN ORDER TO ALLOW INDEPENDENT PRESSURE TESTING AND CHLORINATING FROM EXISTING SYSTEMS.
10. ALL LIVE TAPPING AND OPERATION OF REGION WATER VALVES SHALL BE ARRANGED THROUGH THE REGIONAL INSPECTOR ASSIGNED OR BY CONTACTING THE OPERATIONS AND MAINTENANCE DIVISION.
11. LOCATION OF ALL EXISTING UTILITIES IN THE FIELD TO BE ESTABLISHED BY THE CONTRACTOR.
12. THE CONTRACTOR(S) SHALL BE SOLELY RESPONSIBLE FOR LOCATES, EXPOSING, SUPPORTING AND PROTECTING OF ALL UNDERGROUND AND OVERHEAD UTILITIES AND STRUCTURES EXISTING AT THE TIME OF CONSTRUCTION IN THE AREA OF THEIR WORK. WHETHER SHOWN ON THE PLANS OR NOT AND FOR ALL REPAIRS AND CONSEQUENCES RESULTING FROM DAMAGE TO SAME.
13. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE TO GIVE 72 HOURS WRITTEN NOTICE TO THE UTILITIES PRIOR TO CROSSING SUCH UTILITIES, FOR THE PURPOSE OF INSPECTION BY THE CONCERNED UTILITY. THIS INSPECTION WILL BE FOR THE DURATION OF THE CONSTRUCTION, WITH THE CONTRACTOR RESPONSIBLE FOR ALL COSTS ARISING FROM SUCH INSPECTION.
14. ALL PROPOSED WATER PIPING MUST BE ISOLATED THROUGH A TEMPORARY CONNECTION THAT SHALL INCLUDE AN APPROPRIATE CROSS-CONNECTION CONTROL DEVICE, CONSISTENT WITH THE DEGREE OF HAZARD, FOR BACKFLOW PREVENTION OF THE ACTIVE DISTRIBUTION SYSTEM, CONFORMING TO REGION OF PEEL STANDARDS 1-7-7 OR 1-7-8.
15. ALL WATER METERS MUST BE INSTALLED IN HEATED AND ACCESSIBLE SPACE.
16. PROPOSALS TO CONNECT TO AN EXISTING SERVICE LATERAL REQUIRES APPROVAL FROM THE REGION OF PEEL INSPECTOR AT CONSTRUCTION STAGE.
17. THE OWNER ACKNOWLEDGES AND AGREES THAT IF THE CONNECTION IS NOT USED WITHIN ONE CALENDAR YEAR FROM THE PRELIMINARY ACCEPTANCE OF WATERMAIN(S), THE REGION MAY REQUIRE THAT WATERMAIN(S) BE CUT AND CAPPED AT THE COST OF THE OWNER. RE-COMMISSIONING OF THE WATERMAIN(S), AS REQUIRED BY LEGISLATION, WILL BE AT THE COST OF THE OWNER.

No.	REVISIONS	DATE	APPR. BY
3	ISSUED FOR ZBA & S.P.A. SUBMISSION #3	SEP 11/26	D.A.
2	ISSUED FOR 2ND S.P.A. SUBMISSION	JAN 23/26	D.A.
1	ISSUED FOR 1ST S.P.A. SUBMISSION	AUG 14/25	D.A.

CLIENT

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PROJECT TITLE

1055 BLOOR STREET
MISSISSAUGA, ONTARIO
STACKED RESIDENTIAL TOWNHOUSE RENTAL DEVELOPMENT
CITY FILE NO.: SP 25-49 W3, REGION FILE NO.: C601718

STAMP

LICENSED PROFESSIONAL ENGINEER
T. M. ABIKOYE
100546720
2026-09-11
PROVINCE OF ONTARIO

APPROVED AS TO FORM IN RELIANCE UPON THE PROFESSIONAL SKILL AND ABILITY OF ENVISION CONSULTANTS LTD. AS TO DESIGN AND SPECIFICATION

DIRECTOR OF DEVELOPMENT / TRANSPORTATION ENGINEERING

CONSULTANT

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MUNICIPALITY

MISSISSAUGA
Region of Peel working with you

SHEET TITLE

SITE SERVICING PLAN

DESIGNED BY:	DATE:	CHECKED BY:
D.A.	SEPT 2026	A.W.
DRAWN BY: M.R.	PROJECT No. 25-1018	
SCALES: 1: 250		DRAWING No. C-102b

FILENAME: C:\Users\SANJAY~1\AppData\Local\Temp\AcPublish_54\8025-1018_SG1-SS1-NT1-ESC1.dwg
PLOTDATE: Sep 11, 2026 - 1:11pm, SanjayS.vesh